



FACULTY OF HEALTH SCIENCES HANDBOOK 2011

Handbooks online: sydney.edu.au/handbooks

Acknowledgements



The Arms of the University

Sidere mens eadem mutato

Though the constellations change, the mind is universal

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sydney.edu.au/handbooks
sydney.edu.au/calendar

Amendments

All authorised amendments to this handbook can be found at sydney.edu.au/handbooks/handbooks_admin/updates2011

Resolutions

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Resolutions must be read in conjunction with the *University of Sydney (Coursework) Rule 2000 (as amended)*, which sets out the requirements for all undergraduate courses, and the relevant resolutions of the Senate.

The Research Clause

All postgraduate research courses must be read in conjunction with the relevant rules and resolutions of the Senate and Academic Board, including but not limited to:

1. The *University of Sydney (Amendment Act) Rule 1999 (as amended)*.
2. The *University of Sydney (Doctor of Philosophy (PhD)) Rule 2004*.
3. The resolutions of the Academic Board relating to the Examination Procedure for the Degree of Doctor of Philosophy.
4. The relevant faculty resolutions.

Disclaimers

1. The material in this handbook may contain references to persons who are deceased.
2. The information in this handbook was as accurate as possible at the time of printing. The University reserves the right to make changes to the information in this handbook, including prerequisites for units of study, as appropriate. Students should check with faculties for current, detailed information regarding units of study.

Price

The price of this handbook can be found on the back cover and is in Australian dollars. The price includes GST.

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Important dates

University semester and vacation dates for 2011

Summer/Winter School lectures	Dates
Summer School - December program	Begins: Monday 6 December 2010
Summer School - main program	Begins: Tuesday 4 January 2011
Summer School - late January program	Begins: Monday 17 January
Winter School - main program	Begins: Monday 27 June
Semester One	Dates
International student orientation (Semester One) - STABEX	Monday 14 February and Tuesday 15 February
International student orientation (Semester One) - full degree	Wednesday 16 February and Thursday 18 February
Lectures begin	Monday 28 February
AVCC Common Week/non-teaching Easter period	Friday 22 April to Friday 29 April
International application deadline (Semester Two) *	Thursday 29 April *
Last day of lectures	Friday 3 June
Study vacation	Monday 6 June to Friday 10 June
Examination period	Tuesday 14 June to Saturday 25 June
Semester ends	Saturday 25 June
AVCC Common Week/non-teaching period	Monday 4 July to Friday 8 July
Semester Two	Dates
International student orientation (Semester Two) - STABEX	Monday 18 July and Tuesday 19 July
International student orientation (Semester Two) - full degree	Wednesday 21 July and Thursday 22 July
Lectures begin	Monday 25 July
AVCC Common Week/non-teaching period	Monday 26 September to Friday 30 September
Last day of lectures	Friday 28 October
International application deadline (for Semester One, 2011) *	Saturday 29 October *
Study vacation	Monday 31 October to Friday 4 November
Examination period	Monday 7 November to Saturday 19 November
Semester ends	Saturday 19 November

* Except for the faculties of Dentistry, Medicine and the Master of Pharmacy course. See www.acer.edu.au for details.

Last dates for withdrawal or discontinuation for 2011

Semester One- units of study	Dates
Last day to add a unit	Friday 11 March
Last day for withdrawal	Thursday 31 March
Last day to discontinue without failure (DNF)	Friday 15 April
Last to discontinue (Discontinued - Fail)	Friday 3 June
Semester Two- units of study	Dates
Last day to add a unit	Friday 5 August
Last day for withdrawal	Wednesday 31 August
Last day to discontinue without failure (DNF)	Friday 9 September
Last day to discontinue (Discontinued - Fail)	Friday 28 October
Last day to withdraw from a non-standard unit of study	Census date of the unit, which cannot be earlier than 20 per cent of the way through the period of time during which the unit is undertaken.
Public holidays	Dates
Australia Day	Wednesday 26 January
Good Friday	Friday 22 April
Easter Monday	Tuesday 26 April
Anzac Day	Monday 25 April
Queen's Birthday	Monday 13 June
Labour Day	Monday 3 October



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Faculty of Health Sciences handbook

Welcome from the Dean



As Dean it is my pleasure to welcome you to the Faculty of Health Sciences at the University of Sydney.

Choosing to embark on study in the health sciences is an exciting step for any young professional, but even more so given the current climate in regards to health. Today's graduates will enter a health, disability and rehabilitation system that is changing rapidly, in a society with expectations for an increasingly global view of health care, education and research.

The shifting focus from acute and infectious conditions to chronic disease - both within Australia and worldwide - also presents new challenges for our current health and social care systems, and the health practitioners and policy makers working in these systems.

As Australia's leading health sciences faculty we are committed to graduating health professionals who will be the forefront of this change and who will become the future leaders in health, health education, research, policy, management and health advocacy.

Your time with us will allow you to develop breadth and depth in your knowledge and contextual understanding, including an international perspective and an appreciation of Indigenous health. We will provide you with an environment to grow as professionally competent and socially aware individuals who are committed to providing compassionate, people-centred, integrated and evidence-based health care.

To achieve this you will be learning from leading researchers and clinicians in health sciences. Our staff bring to their learning and teaching activities knowledge of cutting-edge research in their field and an overarching enthusiasm to provide a challenging and stimulating study environment.

This goes hand-in-hand with our commitment to research of the highest quality. Whether it is investigating the use of information technology in our hospitals or developing pioneering online stuttering treatments that break down socioeconomic and geographical barriers, our research has real impact on the health outcomes of our communities.

I am immensely proud to be Dean of a faculty that brings together the best and brightest students and staff to work collaboratively in exploring the big issues in health.

Professor Gwynnyth M Llewellyn

Dean



Introduction

This Handbook is the official guide to the courses offered in the Faculty of Health Sciences at the University of Sydney. The Handbook was prepared in advance of the 2011 academic year to maximise its usefulness as a reference to students, staff and the many associates of the faculty, particularly those who contribute to the clinical education of students.

The charter of the faculty is to provide competent practitioners in the health professions. The aims are for excellence in research, clinical and academic teaching.

The fields encompassed by the faculty at the undergraduate and/or postgraduate level are:

- Behavioural Sciences
- Developmental Disability
- Diagnostic Radiography
- Exercise and Sport Science
- Health Informatics
- Health Sciences
- Hearing and Speech
- Manipulative Physiotherapy
- Medical Radiation Sciences
- Molecular Imaging
- Nuclear Medicine
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Radiation Therapy
- Rehabilitation Counselling
- Sexual Health
- Speech Pathology
- Sports Physiotherapy.

Use of this Handbook

This Handbook consists of three sections: undergraduate course information, postgraduate course information and common information sections.

- The undergraduate section comprises Chapters 1 to 7. Users will also be able to find a descriptor of each discipline in this section.
- The postgraduate section comprises Chapters 9 to 20.
- The common information section contains general information relevant to both undergraduate and postgraduate students.

Course outlines

The course outline tables in each academic chapter set out the required units of study to be undertaken by students in each year of their enrolled course. The Faculty of Health Sciences regularly reviews its courses to keep up with and reflect changing contemporary needs in allied health sciences. As a result, there may be one or more course outline tables presented concurrently under a course.

Commencing students should find the table with Year 1 as the first entry and use that table as a guide for their course where applicable. Continuing students should consult the table stating last offered in 2011 for the relevant stage of their course. See your course director, year adviser or Student Central if you require clarification on course outlines.

Units of study

The units of study section follows the academic chapters. It sets out, in alphabetical order by unit code (eg AHCD1234, BACH2345), details of units such as description of content, credit points, semester offered and assessment for the units offered in each course for the current academic year.

Further information

Staff

sydney.edu.au/health_sciences/staff/

Guide to the Faculty

sydney.edu.au/health_sciences/aboutFHS/

Campus Facilities

sydney.edu.au/health_sciences/campus_information/

Services and Assistance

sydney.edu.au/health_sciences/current_students/services_assistance.shtml

Student Administrative Information

sydney.edu.au/health_sciences/current_students/admin

Clinical

sydney.edu.au/health_sciences/clinical/

Student Prizes

sydney.edu.au/health_sciences/future_students/student_prizes/index.shtml

Student Scholarships

sydney.edu.au/health_sciences/future_students/scholarships/index.shtml

1. Bachelor of Health Sciences

The Bachelor of Health Sciences (BHlthSci) prepares students for a rewarding career in the general health and community services sector. Designed to meet contemporary industry needs, the BHlthSci provides the knowledge and skills directly suited to working in health care, including an understanding of the health system, communication skills and a strong health science research focus. The BHlthSci also equips students with a portfolio of skills that are in demand throughout the wider community both locally and globally. With its flexible and multidisciplinary approach, the BHlthSci allows students to branch out in almost any direction, either through further studies or through employment opportunities.

The BHlthSci is recognised by the University of Sydney as a generic, foundation degree for a wide range of graduate programs. This means that students, after completing the BHlthSci with relevant majors, can apply for entry into right-of-practice health professional programs such as dentistry, medicine, pharmacy, nursing, health informatics, nuclear medicine technology, radiation therapy, radiography, occupational therapy, orthoptics, physiotherapy and rehabilitation counselling.

Double major structure

The BHlthSci offers flexibility and choice. The course is designed so that students can maximise their flexibility through two major sequences of study. All students will have a major in health sciences and will take another major in an area related to health. The double major structure allows students to tailor their degree to their own interests, needs and career plans.

Examples of majors relevant to health from the Arts, Economics and Business and Science faculties include:

- Social Policy
- Psychology
- Biochemistry
- Cell Pathology
- Management Decision Science
- Nanoscience and Technology.

Other majors are possible: students should discuss their degree pathway with the program coordinator.

When choosing units of study, students should consult the appropriate faculty handbook to determine the course rules related to studying their second major. Online versions of the handbooks can be found at sydney.edu.au/handbooks.

Examples of additional majors from the Faculty of Health Sciences include:

- Hearing and Speech
- Movement Science.

As an example of the double major structure, see Table 1.2 for the course outline of the Bachelor of Health Science with a second major in Hearing and Speech, and Table 1.3 for the course outline of the Bachelor of Health Science with a second major in Movement Science.

Admission requirements

There are no specific prerequisites for admission to this course. However, students who have taken chemistry at HSC level will find that this is advantageous.

Honours

An additional fourth-year honours program is available to students who have achieved a commendable standard in the first three years of the program. Students undertake a small number of specialised electives and conduct a research project under the supervision of a member of the academic staff. Admission to the honours program is competitive; students must demonstrate a high level of performance throughout their studies and be judged to have the capacity to conduct a research project.

Course outline

The course outlines for the Bachelor of Health Sciences at both pass and honours levels are presented in Tables 1.1 and 1.1.1. The course outline for the Bachelor of Health Sciences with a second major in Hearing and Speech is presented in Table 1.2, while Table 1.3 shows the Bachelor of Health Sciences with a second major in Movement Science. Units of study descriptions and a list of faculty electives are provided in Chapter 7.

Important notes

See Chapter 5 for information about the combined degrees of Bachelor of Health Sciences/Master of Health Informatics.

See Chapter 9 for information about the combined degrees of Bachelor of Health Sciences/Master of Clinical Vision Sciences.

See Chapter 11 for information about the combined degrees of Bachelor of Health Sciences/Master of Rehabilitation Counselling.



Table 1.1: Bachelor of Health Sciences (Pass)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH130: Pass course; full-time, 3 years			
Students must complete the following units of study for the award of the Bachelor of Health Sciences:			
Four core BHS Junior units of study:			
HSBH1006 Foundations of Health Science	6		Semester 1
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
HSBH1008 Health Determinants and Interventions	6		Semester 2
HSBH1009 Health Care Resources and Systems	6		Semester 2
The core Biology and Psychology units of study:			
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
Any Junior Biology unit of study [6]			
At least four of the following BHS Senior units of study:			
HSBH3001 Health and Indigenous Populations	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3002 Health Information Science	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
HSBH3003 Health Service Strategy and Policy	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3004 Health, Ethics and the Law	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
HSBH3005 Evidence Based Health Care	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3006 Research Methods in Health	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems N Intermediate Statistics (BACH4043, BACH4055, BACH5253)	Semester 1
HSBH3009 International Health Project	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3010 Health and Lifelong Disability	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3011 Rural Health	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
Units of study required for the second major (see note 1)			
Elective units of study (see note 2)			
Notes			
1. The number of credit points required to satisfy the requirements for the second major varies with each major.			
2. Along with satisfying the double major requirements, students must complete enough electives to achieve 144 credit points for the award of the degree. Electives may be chosen from units of study available throughout the University, subject to approval, availability and minimum enrolment.			

Table 1.1.1: Bachelor of Health Sciences (Honours)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Years 1 to 2			
As per Pass course			
Year 3			
Semester 1			
As per Pass course			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BHSC3014 Honours Research Proposal	6		Semester 2
Electives as per Pass course [18]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. Honours is undertaken as an additional fourth year of study. Students who will be undertaking the honours year should complete the above units in their third year of the pass degree and will transfer to the honours program in their fourth year.			
2. Students undertaking the BHS (Honours) with a Hearing and Speech Major should replace the nominated unit CSCD3091 Fieldwork with BHSC3014 Honours Research Proposal.			
3. Electives may be chosen from electives available throughout the University, subject to approval, availability and minimum enrolment. A list of electives available in the Faculty of Health Sciences is included in Chapter 14 of the handbook.			
Year 4			
Course code SH123: Honours program; full-time, 4 years			
Semester 1			
BHSC4001 Honours Research Seminar 1	3	P BHSC3014 Honours Research Proposal	Semester 1
BHSC4003 Honours Thesis/Research Report A	21	C BHSC4001 Honours Research Seminar 1	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BHSC4002 Honours Research Seminar 2	3	P BHSC3014 Honours Research Proposal	Semester 2
BHSC4004 Honours Thesis/Research Report B	21	C BHSC4002 Honours Research Seminar 2	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 1.2: Bachelor of Health Sciences with a Hearing and Speech second major

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH130: Pass course; full-time, 3 years			
Year 1			
Semester 1			
BIOL1003 Human Biology	6	A HSC 2-unit Biology. Semester 1 students who have not completed HSC biology (or equivalent) are strongly advised to take the Biology Bridging Course (in February). N BIOL1903 <i>It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.</i>	Semester 1 Summer Main
HSBH1006 Foundations of Health Science	6		Semester 1
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HSBH1008 Health Determinants and Interventions	6		Semester 2
HSBH1009 Health Care Resources and Systems	6		Semester 2
Electives [12] (see note 2)			

1. Bachelor of Health Sciences

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BIOS1163 Speech Science	6		Semester 1
CSCD1032 Human Communication	6	<i>Speech Pathology students must pass this unit in order to enrol in clinical units in Year 2</i>	Semester 1
CSCD1034 Linguistics, Phonetics and Articulation	6	A Grammar bridging course or equivalent C BIOS1163 Speech Science (or equivalent) <i>Students without a sound knowledge of formal traditional grammar are encouraged to undertake the Grammar bridging course. Speech Pathology students must pass this unit in order to enrol in clinical units in Year 2</i>	Semester 1 Summer Main
One BHS Senior unit of study [6] (see note 1)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1165 Hearing Science and Audiology	6	P BIOS1163 Speech Science	Semester 2
BIOS1166 Neuroscience I: Communication Disorders	6	P BIOS1161 Biochemistry and Human Biology or BIOS1167 Human Cell Biology or BIOL1003 Human Biology N BIOS1132, BIOS1141	Semester 2
CSCD1033 Child Phonology	6	A CSCD1032 Human Communication, CSCD1034 Linguistics, Phonetics and Articulation <i>Speech Pathology students must pass this unit in order to enrol in Year 2 clinical units</i>	Semester 2
One BHS Senior unit of study [6] (see note 1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
BIOS2062 Neuroscience II: Communication Disorders	6	P BIOS1132 Neuroscience I and BIOS1141 Neuroscience II, or BIOS1166 Neuroscience	Semester 1
Two BHS Senior units of study [12] (see note 1)			
Elective [6] (see note 2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH2142 Cognitive Neuropsychology	6	P BACH1165 Psychology and Cognitive Factors (Intro) or PSYC1001 Psychology 1001	Semester 2
BACH2143 Counselling & Behaviour Management for CD	6		Semester 2
CSCD3090 Audiology 2	6	P BIOS1165 Hearing Science and Audiology N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001)	Semester 2
CSCD3091 Fieldwork	6	P CSCD1032 Human Communication, CSCD1034 Linguistics, Phonetics and Articulation, CPR Certificate N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) <i>Student must hold a current CPR certificate before they can enrol in this unit. Attendance at Fieldwork orientation is compulsory.</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. A list of available BHS Senior units of study can be found at the end of Table 7.1.			
2. Electives may be chosen from units of study available throughout the University, subject to approval, availability and minimum enrolment. A list of electives available in the Faculty of Health Sciences is included in Chapter 14 of the handbook.			

Table 1.3: Bachelor of Health Sciences with a Movement Science second major

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH130: Pass course; full-time, 3 years			
Year 1			
Semester 1			
BIOL1003 Human Biology	6	A HSC 2-unit Biology. Semester 1 students who have not completed HSC biology (or equivalent) are strongly advised to take the Biology Bridging Course (in February). N BIOL1903 <i>It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.</i>	Semester 1 Summer Main
HSBH1006 Foundations of Health Science	6		Semester 1
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HSBH1008 Health Determinants and Interventions	6		Semester 2
HSBH1009 Health Care Resources and Systems	6		Semester 2
Two electives [12] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BIOS1170 Body Systems: Structure and Function	6	A BIOS1167 Human Cell Biology or any Junior Biology unit of study N BIOS1127, BIOS1133, BIOS2098, BIOS2099	Semester 1 Semester 2
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
EXSS1018 Biomechanics of Human Movement	6	A HSC mathematics	Semester 1
Elective [6] (see note 2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1168 Functional Musculoskeletal Anatomy A	6	N BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy	Semester 1 Semester 2
EXSS1032 Fundamentals of Exercise Science	6		Semester 2
One BHS Senior unit of study [6] (see note 1)			
Elective [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
BIOS1169 Functional Musculoskeletal Anatomy B	6	P BIOS1136 Functional Anatomy A or BIOS1168 Functional Musculoskeletal Anatomy A or BIOS1159 Functional Anatomy A - Exercise Science N BIOS1139, BIOS1144, BIOS1160	Semester 1 Semester 2
EXSS2027 Exercise Physiology for Clinicians	6	A EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1 or BIOS1170 Body Systems: Structure and Function	Semester 1
Two BHS Senior units of study [12] (see note 1)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2025 Motor Control and Learning	6	A BIOS1171 Neuroscience	Semester 1 Semester 2
One BHS Senior units of study [6] (see note 1)			
Two electives [12] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. A list of available BHS Senior units of study can be found at the end of Table 7.1.			
2. Electives may be chosen from units of study available throughout the University, subject to approval, availability and minimum enrolment. A list of electives available in the Faculty of Health Sciences is included in Chapter 14 of the handbook.			

Bachelor of Health Sciences/Master of Nursing

The Bachelor of Health Sciences/Master of Nursing is a four-year pre-registration course for students wishing to undertake a combined degree. Students are required to complete 96 credit points in the Bachelor of Health Sciences. Master of Nursing units are begun in the second year of the undergraduate degree.

Students are generally expected to obtain a credit average in Year 1 to be permitted to commence study in the Master of Nursing in Year 2. Students are not permitted to enrol in Year 4 units without having completed their Bachelor of Health Sciences degree.

The combined study of general health sciences with a professional qualification in nursing means that graduates have broader range of skills and knowledge. Examples include positions working in scientific, research and management positions in health-related organisations in the public and private sectors health and medical industries, in clinical and non-clinical settings such as forensic science, journalism, environmental science media and communications, in research,

government and public institutions, community organisations and the private sector.

At the conclusion of the course, students, subject to the requirements of the *Nurses Act* of NSW, will be eligible to apply for registration with the Nurses and Midwives Board, NSW.

Admission requirements

Candidates should refer to the Faculty of Health Sciences and Faculty of Nursing and Midwifery handbooks for admission requirements.

Prospective students should note in particular Division 5, 29A of the *Nurses Act 1991* No 9 as described above.

Course outline

The course outline for the Bachelor of Health Sciences/Master of Nursing is presented in Table 1.4. Units of study are described in Chapter 7.

Table 1.4: Bachelor of Health Sciences/Master of Nursing

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code GH016/GH020: Full-time, 4 years			
Year 1			
Semester 1			
HSBH1006 Foundations of Health Science	6		Semester 1
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
Any Junior Biology unit of study [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HSBH1008 Health Determinants and Interventions	6		Semester 2
HSBH1009 Health Care Resources and Systems	6		Semester 2
Electives [12] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
NURS5081 Introduction to Nursing Practice	6		Semester 1
NURS5083 Human Bioscience in Health	6	N BIOL1003	Semester 1
One BHS Senior elective [6] (see note 1)			
Elective [6] (see note 2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NURS5006 Illness Experience and Nursing Care	6		Semester 2
NURS5086 Drug Therapy, Disease & Nursing Practice	6	P NURS5083 or BIOL1003	Semester 2
One BHS Senior elective [6] (see note 1)			
Elective [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 3			
Semester 1			
NURS5002 Social Contexts of Health	6		Semester 1
NURS5082 Developing Nursing Practice	6	C NURS5081	Semester 1
One BHS Senior elective [6] (see note 1)			
Elective [6] (see note 2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NURS5084 Nursing the Acutely Ill Person	6	P NURS5082 or NURS5004	Semester 2
NURS5085 Mental Health Nursing Practice	6	C NURS5084	Semester 2
One BHS Senior elective [6] (see note 1)			
Elective [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4			
Semester 1			
NURS6004 Nursing and the Politics of Health Care	6	<i>Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.</i>	Semester 1
NURS6008 Inquiry and Research in Nursing	6	<i>Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.</i>	Semester 1
NURS6018 Care and Chronic Conditions	6	P NURS5084, NURS5085, NURS5081	Semester 1
NURS6019 High Acuity Nursing	6	P NURS5084, NURS5081	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NURS6022 Community Health Nursing	6	P NURS6018 and NURS6019	Semester 2
NURS6023 Professional Practice of Nursing	6		Semester 2
NURS6024 Global Health and Nursing	6	P NURS5002	Semester 2
and one of the following electives:			
NURS6025 Nursing Practice (Mental Health Option)	6	P NURS6018 and NURS6019 and NURS5085 <i>Note: Department permission required for enrolment</i>	Semester 2
NURS6026 Nursing Practice (Paediatric Option)	6	P NURS6018 and NURS6019 <i>Note: Department permission required for enrolment</i>	Semester 2
NURS6027 Nursing Practice (High Acuity Option)	6	P NURS6018 and NURS6019 <i>Note: Department permission required for enrolment</i>	Semester 2
NURS6028 Nursing Practice (Clinical Nursing Opt)	6	P NURS5084 and NURS6018 <i>Note: Department permission required for enrolment</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. A list of available BHS Senior units of study can be found at the end of Table 7.1.			
2. Electives may be chosen from units of study available throughout the University, subject to approval, availability and minimum enrolment. A list of electives available in the Faculty of Health Sciences is included in Chapter 14 of the handbook.			

2. Exercise and Sport Science

Courses of study

Exercise and sport science is an exciting and vibrant discipline with expanding career options integrating exercise and physical activity into disease prevention, health, rehabilitation, nutrition and sports performance. The following coursework programs are based on a strong foundation of applied science which is then used to build the application of exercise science and professional practice.

- The Bachelor of Applied Science (Exercise and Sport Science) pass degree is a three-year course. The option of graduating with honours is possible by achieving a credit average of at least 65 and requires an extra year of study.
- The Bachelor of Applied Science (Exercise and Sport Science)/Master of Nutrition and Dietetics is offered on a full-time basis over five years, providing a pathway to practice in dietetics in addition to exercise and sport science. A credit average of at least 65 is required for progression to the master's degree.
- The Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing is four years full-time study. A credit average of at least 65 is required to enter the fourth year, which is postgraduate-level study.
- The Master of Exercise Physiology is a two year, full-time program that offers a pathway for students with a suitable undergraduate degree to acquire the knowledge and competencies required to become an exercise physiologist. See Chapter 11 for further information on postgraduate coursework degrees.
- The Graduate Certificate/Graduate Diploma of Health Science (Exercise and Sport Science) are introductions in to postgraduate coursework study in Exercise and Sport Science and provide a pathway for further specialisation. See Chapter 11 for further information on postgraduate coursework degrees.
- The Master of Exercise and Sport Science provides specialisation for careers in sport or the clinical setting. See Chapter 11 for further information on postgraduate coursework degrees.

- Research masters and PhD degree programs are offered in a broad range of disciplines. Research areas offered are: physical activity and nutrition, exercise physiology, sports biomechanics, biomechanical modelling, motor control and learning, preventive healthcare, clinical exercise and childhood, geriatric health care, exercise pharmacology, drugs in sport, functional anatomy, sports nutrition, muscle function, exercise sleep and circadian rhythm, healthy ageing and rehabilitation. See Chapter 19 for further information on research degrees.

Professional information

The discipline of Exercise and Sport Science is dedicated to promoting excellence in the development and dissemination of knowledge and skills related to human physical performance and physical activity in relation to health. Maximising physical performance in work, sport and leisure and promoting exercise and nutrition in the prevention and management of disease are embedded in the discipline's mission.

The University is proud of its reputation in producing high-calibre graduates, its coursework programs and its international standard facilities and equipment for research and teaching. Exercise and Sport Science faculty members have strong track records in fundamental and applied research, research-led teaching and community dissemination projects in the application of exercise science to health promotion and rehabilitation, sports performance, fitness and occupational health. These strengths are further enhanced by close links to the New South Wales Institute of Sport, regional teaching hospitals and the fitness industry in New South Wales.

The Bachelor of Applied Science (Exercise and Sport Science) is a University accredited program by Exercise and Sport Science Australia (ESSA).

Further information

T: +61 2 9351 9161
sydney.edu.au/health_sciences

Bachelor of Applied Science (Exercise and Sport Science)

An exercise and sport scientist applies a comprehensive understanding of the scientific principles of human movement to the effective design, management and evaluation of exercise interventions (and related lifestyle factors) in the areas of sport and health. The exercise scientist would take into account the effect of a change in a person's activity level on such factors as nutrition, the stress placed on body parts, the demand on the heart and lungs, chemical changes in body organs, and the psychological and social environment.

These principles may be applied to facilitate recovery from injury, to maximise performance or to generally increase the quality of life of the able and disabled individual within the person's work, sport and recreation environments.

Admission requirements

Admission to the Bachelor of Applied Science (Exercise and Sport Science) is competitive. Most applicants are considered on the basis of the ATAR obtained in the New South Wales Higher School Certificate or equivalent, but about one third of students are admitted based on a tertiary record or through the Mature Age Entry Scheme.

The Bachelor of Applied Science (Exercise and Sport Science) course will appeal to you if you have an enthusiasm for sport and physical activity and an interest in the biological and physical sciences from a human perspective. Although there are no subject requirements for entry into the course, students are assumed to possess knowledge equivalent to the study of chemistry and mathematics at HSC level. Students would benefit from having also studied physics, PDHPE and biology. Students who have not recently completed studies in chemistry and mathematics are strongly advised to attend bridging courses prior to commencing the Bachelor of Applied Science (Exercise and Sport Science) course. Bridging courses are also available in physics.

For further information on general admission requirements and details of bridging courses, visit http://sydney.edu.au/health_sciences



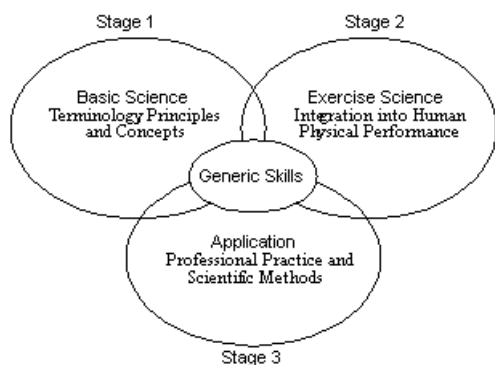
About the course

The Bachelor of Applied Science (Exercise and Sport Science) course is designed to give students a thorough understanding of the scientific aspects of exercise and sport science. Such an understanding requires the application and integration of the methods, theories and knowledge of a wide range of disciplines, including the biological sciences (anatomy, biochemistry and physiology), the physical sciences (chemistry, physics and mathematics) and the social sciences (psychology and sociology). Students follow a prescribed program of study with a total of 144 credit points, including a few elective units in Year 3. Formal teaching is mostly through lectures, tutorials and practical classes. Students engage in a wide range of additional learning activities, including studying textbooks and research articles, answering review questions, case studies and problems, completing investigative assignments and conducting projects. Such activities may be required to be completed individually or by working collaboratively with other students.

A distinguishing feature of the Bachelor of Applied Science (Exercise and Sport Science) course is that students have frequent access to laboratory facilities and equipment. The course has a substantial integrated program of laboratory and practical work. Projects are undertaken at all stages of the course; often these projects enable skills and knowledge to be applied to a problem of interest to the individual student.

The most important goal of every university course is the development of the students capacity and enthusiasm for lifelong learning. Highly developed learning skills allow a graduate to adapt to the changing demands of their work environment, and a skilful learner is able to easily acquire the new skills, approaches and perspectives necessary for a successful transfer to a new career path. University courses also aim to develop the students generic skills, which are those skills that are applicable in many diverse situations. The Bachelor of Applied Science (Exercise and Sport Science) course is based on a framework of systematic development of learning skills and generic skills. Particular attention is given to developing responsibility for learning, self-evaluation, problem solving, critical thinking and skills in computing and analysis, scientific writing and public speaking.

Course structure



Professional experience

Students will enrol in the unit of study Professional Practice in Semester 1, Year 3 in which they will complete a minimum of 140 hours of approved professional experience (practicum) by the end of Week 13, Semester 1, Year 3. The purpose of the professional field experience program is to apply theoretical knowledge to practice in a variety of community settings. The 140 hours of practical experience is also a requirement for membership of the professional body for Australian exercise scientists (Exercise and Sport Science Australia). Students will develop professional skills and competencies, and an appreciation of the responsibilities and commitments of the workplace.

Workload

In the Faculty of Health Sciences, one credit point requires approximately two hours of student effort per week over the semester. These hours include both class contact hours and time spent on study in the unit. A standard full-time student enrolled in units totalling 24 credit points in each semester has a total workload of approximately 48 hours per week.

Careers

A student who completes the Bachelor of Applied Science (Exercise and Sport Science) course will graduate as a scientist, with a wide range of theoretical knowledge, practical skills and expertise. The career paths followed by graduates are many and varied and depend mostly on the specific interests and aspirations of the individual. Broadly defined, the areas of employment entered by recent graduates include the sport industry, fitness industry, health industry, occupational health and safety, public health, rehabilitation, research and technology, education and medical insurance.

For graduates seeking further career development or professional accreditation, the Bachelor of Applied Science (Exercise and Sport Science) course meets the prerequisite requirements for entry into postgraduate courses in Medicine, Nutrition and Dietetics, Physiotherapy, Occupational Therapy, Public Health, Safety Science and Education.

Professional recognition

Graduates are eligible to apply for membership of the Exercise and Sport Science Australia (ESSA) and accreditation as exercise scientists.

Honours

The honours program is an additional year of full-time study in which the student conducts a research project and writes a thesis under the supervision of a member of the academic staff. Admission is competitive and based on the student's marks across all units of study. The student must be eligible for the award of a pass degree, and be considered by the head of the academic unit to have the aptitude to conduct a research project.

Further information may be obtained from the program coordinator.

Exchange programs

Exercise and Sport Science students may participate in the University-wide exchange programs. These programs give students the opportunity to experience education in a different culture and environment. The exchange programs are open to undergraduate students who have completed at least two years of study and who have a credit grade average. For further information phone +61 2 9351 9161.

FHS Abroad

Students from the Faculty of Health Sciences have been working collaboratively on community projects in the developing world for more than 30 years, enriching their understanding of global health and making a lasting difference in communities worldwide.

Under an exciting new initiative called FHS Abroad, senior students across all undergraduate and graduate entry master's programs will now have the opportunity to take part in these experiences as part of their study program. For further information phone +61 2 9351 9161.

Course outline

The course outlines for the Bachelor of Applied Science (Exercise and Sport Science) at both pass and honours level are presented in Tables 2.1 and 2.1.1.

Table 2.1: Bachelor of Applied Science (Exercise and Sport Science) Pass

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH088: Pass course; full-time, 3 years			
Year 1			
Semester 1			
BACH1161 Introductory Behavioural Health Sciences	6	N BACH1132, BACH1134, HSBH1003	Semester 1 Semester 2
BIOS1167 Human Cell Biology	6	A Students who have not completed HSC Chemistry (or equivalent) are strongly advised to take the Chemistry Bridging Course - CS208 (in February). N BIOS1126 Human Biology and Biochemistry; BIOS1156 Human Biology and Radiobiology; BIOS1161 Biochemistry and Human Biology; HSBM1001 Biochemistry and Human Biology; and BIOS1130 Molecules and Energy	Semester 1
BIOS1168 Functional Musculoskeletal Anatomy A	6	N BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy	Semester 1 Semester 2
EXSS1018 Biomechanics of Human Movement	6	A HSC mathematics	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1169 Functional Musculoskeletal Anatomy B	6	P BIOS1136 Functional Anatomy A or BIOS1168 Functional Musculoskeletal Anatomy A or BIOS1159 Functional Anatomy A - Exercise Science N BIOS1139, BIOS1144, BIOS1160	Semester 1 Semester 2
BIOS1170 Body Systems: Structure and Function	6	A BIOS1167 Human Cell Biology or any Junior Biology unit of study N BIOS1127, BIOS1133, BIOS2098, BIOS2099	Semester 1 Semester 2
EXSS1029 Muscle Mechanics and Training	6	A One of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A	Semester 1 Semester 2
EXSS1032 Fundamentals of Exercise Science	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
EXSS2018 Biomechanical Analysis of Movement	6	P EXSS1018 Biomechanics of Human Movement	Semester 1
EXSS2028 Exercise Physiology and Biochemistry	6	A BIOS1167 Human Cell Biology and EXSS1032 Fundamentals of Exercise Science N EXSS2017, EXSS2019	Semester 1
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2021 Nutrition, Health and Performance	6	P Either: EXSS2017 Biochemistry of Exercise and EXSS2019 Exercise Physiology-Acute responses, or EXSS2028 Exercise Physiology and Biochemistry	Semester 2
EXSS2022 Exercise Physiology-Training Adaptations	6	A BCHM2072 Human Biochemistry P Either: EXSS2017 Biochemistry of Exercise and EXSS2019 Exercise Physiology-Acute responses, or EXSS2028 Exercise Physiology and Biochemistry	Semester 2
EXSS2026 Growth, Development and Ageing	6		Semester 2
EXSS3023 Exercise Testing and Prescription	6	A EXSS2027 Exercise Physiology for Physicians or EXSS2028 Exercise Physiology and Biochemistry	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
EXSS2025 Motor Control and Learning	6	A BIOS1171 Neuroscience	Semester 1 Semester 2
EXSS3024 Exercise, Health and Disease	6	A EXSS3023 Exercise Testing and Prescription, and either EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians	Semester 1
EXSS3045 Professional Practice	6	P EXSS1032 Fundamentals of Exercise Science	Semester 1
and			
Choose an elective from the list below. The offering of any one of these elective units of study will depend on sufficient student demand and staff availability. Subject to approval of the relevant head of academic unit, elective units of study may be taken from within or outside the Faculty.			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

2. Exercise and Sport Science

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
EXSS3049 Sport and Exercise Psychology	6	P BACH1161 Introductory Behavioural Health Sciences	Semester 2
Three electives [18] (see elective list below)			
Elective list			
Note			
The offering of any one of these elective units of study below will depend on sufficient student demand. Subject to approval of relevant head of academic unit, elective units of study may be taken from within or outside the Faculty. Please choose one elective for semester 1 (EXSS3037, HSBH3012, HSBH3014 or EXSS3044). Chose three electives for semester 2 (EXSS3027, EXSS3040 and EXSS3041).			
HSBH3012 FHS Abroad	6	P Successful completion of all 1st year units in an undergraduate FHS degree <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSBH3014 Workplace Injury Prevention/Management	6	A functional anatomy	Semester 1
EXSS3037 Exercise Pharmacology and Immunology	6	P Either (BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II and EXSS2019 Exercise Physiology-Acute Responses) or (BIOS1170 Body Systems: Structure and Function and EXSS2028 Exercise Physiology and Biochemistry)	Semester 1
EXSS3044 Biomechanics of Sports Techniques	6	P EXSS1018 Biomechanics of Human Movement	Semester 1
EXSS3027 Exercise and Rehabilitation	6	A Either: both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians or EXSS2028 Exercise Physiology and Biochemistry P EXSS3024 Exercise, Health and Disease	Semester 2
EXSS3040 Physiological Testing and Training	6	P EXSS2022 Exercise Physiology-Training Adaptations	Semester 2
EXSS3041 Management, Marketing and the Law	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 2.1.1: Bachelor of Applied Science (Exercise and Sport Science) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH054: Honours program; full-time, 4 years			
Years 1 to 3			
As per Pass course			
Year 4			
Semester 1			
EXSS4004 Honours Thesis A	24	<i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS4005 Honours Thesis B	24	P EXSS4004 Honours Thesis A <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition)

Note: The combined degree Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) is no longer open to new enrolments. Students interested in studies in exercise science and nutrition should enrol in the double degree Bachelor of Applied Science (Exercise and Sport Science) and Master of Nutrition and Dietetics. See page 21 for further information.

This combined degree in exercise and sport science/nutrition is designed to produce graduates who are capable of using expertise in the disciplines of exercise science and nutrition to further research and knowledge in these areas. Graduates of this program will become qualified dietitians with expertise in general and public health and clinical nutrition. These skills will be integrated with a comprehensive understanding of the scientific principles of human movement and the effective design, management and evaluation of exercise interventions (and related lifestyle factors) in the area of sport and health. This program will enable graduates to design effective exercise and nutrition programs for healthy individuals and elite athletes in addition to those with lifestyle diseases (eg heart disease, diabetes, hypertension) and disability.

About the course

The combined degree Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) provide students with a thorough understanding of the scientific aspects of exercise and sport science, nutrition and dietetics. Such an understanding requires the application and integration of the methods, theories and knowledge of a wide range of disciplines, including the biological sciences (anatomy, biochemistry, physiology and nutrition), the physical sciences (chemistry, physics and mathematics) and the social sciences (psychology and sociology). Students follow a prescribed five-year program of study with a total of 240 credit points. Formal teaching is mostly through lectures, tutorials and practical classes. Students engage in a wide range of additional learning activities, including studying textbooks and research articles, answering review questions and problems, completing investigative assignments and conducting projects. Such activities may be required to be completed individually or by working collaboratively with other students. Lifelong learning skills are developed as consistent with other programs offered in the discipline of Exercise and Sport Science.

This combined degree is unique in that students will have the opportunity to qualify both as dietitians and exercise scientists. Also, to utilise the finest teaching facilities and laboratory equipment, learning will take place on both the Cumberland and Camperdown campuses of the University of Sydney. The course has a substantial integrated program of laboratory and practical work. Projects are undertaken at all stages of the course; often these projects enable skills and knowledge to be applied to a problem of interest to the individual student.

Professional experience

Students must complete a minimum of 140 hours of approved professional experience in exercise and sport science in their own time by Week 13, Semester 1, Year 4. The purpose of the professional field experience program is to apply theoretical knowledge to practice in a variety of community settings. The 140 hours of practical experience is also a requirement for membership of the professional body for Australian exercise scientists (Exercise and Sport Science Australia). Students will develop professional skills and competencies, and an appreciation of the responsibilities and commitments of the workplace.

In the fifth year of the program students will also complete a clinical placement in nutrition and dietetics (approximately six months in duration) as designated by the Dietitians Association of Australia. Successful completion of this placement is required for dietetic qualification. This placement is designed to facilitate clinical and counselling skills in dietetics and for students to experience working in other areas of nutrition, such as public health promotion or research,

food service, the food industry, public relations and community nutrition.

Workload

Refer to the entry under Bachelor of Applied Science (Exercise and Sport Science) on page 11.

Careers

Students will be qualified as both exercise scientists and dietitians and will be competent to forge new opportunities in roles which require skills in both exercise science and nutrition/dietetics. This integrated training will create opportunities that will benefit both students and employers. In the research setting, this dual qualification will augment project design and methodology in relevant areas such as public health (eg lifestyle diseases such as obesity and non-insulin dependent diabetes). In the clinical setting, graduates will be well placed and qualified to give comprehensive advice to clients promoting adoption of better exercise and nutrition habits within the community. Employment opportunities include: hospital, rehabilitation, public health and health promotion, the health industry encompassing elite sport, recreational exercise and the sport/fitness industry, health writing and public speaking, corporate health, private practice consulting, the food industry (manufacture, product development and public relations), research and technology, education and medical insurance.

Professional recognition

Graduates are eligible to apply for membership of Exercise and Sport Science Australia as exercise scientists. The course has provisional accreditation by the Dietitians Association of Australia, with full accreditation in preparation.

Honours in Nutrition and Dietetics or Honours in Nutrition

Students completing all five years of the combined degree will automatically be awarded an honours grade at completion. There are two options for students in their fifth year of study: an honours program in Nutrition and Dietetics, which includes six months of clinical placement, or an honours program in nutrition, which is entirely research directed. However, admission to either fifth year of study is competitive and based on students meeting annual progression requirements: an Annual Average Mark (AAM) of at least 60 in Year 1 and at least 65 in each of Years 2-4; a credit average (at least 65) in both Intermediate nutrition units (NUTR2911 and NUTR2912); a credit average across the Senior nutrition units (NUTR3911, NUTR3921, NUTR3912 and NUTR3922) with at least a credit grade in three of these units; and a SCIWAM of at least 65. Students passing the course but failing to meet these requirements can exit the course after four years with a Bachelor of Applied Science (Exercise, Sport Science and Nutrition): see following Handbook entry. Further information may be obtained from the program coordinator.

Course outline

The course outline for the combined degrees of Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) is presented in Tables 2.2 and 2.3.

Table 2.2: Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH093: Pass course; full-time, 5 years			
Candidates must complete over 10 semesters the following units of study. In order to be accepted into the Nutrition and Dietetics honours year, students must satisfy all of the following: 1) achieve an Average Annual Mark (AAM) of at least 60 in Year 1 and 65 for each of Years 2-4; 2) achieve at least a credit average (65) across both NUTR2911 and NUTR2912 units; 3) achieve a credit average across Senior nutrition units (NUTR3911, NUTR3921, NUTR3912 and NUTR3922) and a minimum of a credit grade in at least 3 of these Senior nutrition units; and 4) achieve a SCIWAM (see Glossary) of at least 65. Students who do not meet these criteria will be transferred to the BAppSc (ExSpSc&Nutr) SH115. Students have the option to transfer to either the BSc or the BAppSc (ExSpSc) SH088. Please contact the program coordinator for further information.			
Year 4 (last offered in 2011)			
Semester 1			
EXSS3037 Exercise Pharmacology and Immunology	6	P Either (BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II and EXSS2019 Exercise Physiology-Acute Responses) or (BIOS1170 Body Systems: Structure and Function and EXSS2028 Exercise Physiology and Biochemistry)	Semester 1
EXSS3047 Nutrition Practice for Health & Exercise	3	C NUTR3911 Nutritional Assessment Methods, NUTR3921 Methods in Nutrition Practice	Semester 1
NUTR3911 Nutritional Assessment Methods	6	P NUTR2911 and NUTR2912 N NUTR3901	Semester 1
NUTR3921 Methods in Nutrition Practice	6	P NUTR2911 and NUTR2912 N NUTR3901	Semester 1
MATH1011 Applications of Calculus	3	A HSC Mathematics N MATH1111, MATH1001, MATH1901, MATH1906, BIOM1003	Semester 1 Summer Main
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BCHM3072 Human Molecular Cell Biology	6	P (MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) N BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 <i>BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study</i>	Semester 2
BCHM3082 Medical and Metabolic Biochemistry	6	P MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. N BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904 <i>BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study</i>	Semester 2
NUTR3912 Community and Public Health Nutrition	6	P NUTR2911 and NUTR2912 N NUTR3902	Semester 2
NUTR3922 Nutrition and Chronic Disease	6	P NUTR2911 and NUTR2912 N NUTR3902	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
1. Students can exit here with BAppSc (Exercise, Sport Science and Nutrition).			
Year 5 (last offered in 2012)			
Semester 1			
NUTR4001 Clinical Nutritional Science A	24	<i>Note: Department permission required for enrolment This unit of study may commence as early as mid February.</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NUTR4002 Clinical Nutritional Science B	24	<i>Note: Department permission required for enrolment This unit of study will commence prior to the start of semester.</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
2. Students can exit here with BAppSc (Ex&SportSc) & BSc (Nutrition) with Honours in Nutrition and Dietetics.			
or			
Year 5 (last offered in 2012)			
Semester 1			
NUTR4101 Nutrition Research A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
NUTR4102 Nutrition Research B	12	C NUTR4101	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
NUTR4103 Nutrition Research C	12	C NUTR4102	Semester 1 Semester 2
NUTR4104 Nutrition Research D	12	C NUTR4103	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
3. Students can exit here with BAppSc (Ex&SportSc) & BSc (Nutrition) with Honours in Nutrition.			

Table 2.3: Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH093: Pass course; full-time, 5 years			
Candidates must complete over 10 semesters the following units of study. In order to be accepted into the Nutrition and Dietetics honours year, students must satisfy all of the following: 1) achieve an Average Annual Mark (AAM) of at least 60 in Year 1 and 65 for each of Years 2-4; 2) achieve at least a credit average (65) across both NUTR22911 and NUTR2912 units; 3) achieve a credit average across Senior nutrition units (NUTR3911, NUTR3921, NUTR3912 and NUTR3922) and a minimum of a credit grade in at least 3 of these Senior nutrition units; and 4) achieve a SCIWAM (see Glossary) of at least 65. Students who do not meet these criteria will be transferred to the BAppSc (ExSpSc&Nutr) SH115. Students have the option to transfer to either the BSc or the BAppSc (ExSpSc) SH088. Please contact the program coordinator for further information.			
Year 3 (last offered in 2011)			
Semester 1			
EXSS2018 Biomechanical Analysis of Movement	6	P EXSS1018 Biomechanics of Human Movement	Semester 1
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
EXSS3024 Exercise, Health and Disease	6	A EXSS3023 Exercise Testing and Prescription, and either EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians	Semester 1
MATH1011 Applications of Calculus	3	A HSC Mathematics N MATH1111, MATH1001, MATH1901, MATH1906, BIOM1003	Semester 1 Summer Main
MATH1015 Biostatistics	3	A HSC Mathematics N MATH1005, MATH1905, STAT1021, STAT1022, ECMT1010, BIOM1003	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2025 Motor Control and Learning	6	A BIOS1171 Neuroscience	Semester 1 Semester 2
EXSS2026 Growth, Development and Ageing	6		Semester 2
EXSS3027 Exercise and Rehabilitation	6	A Either: both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians or EXSS2028 Exercise Physiology and Biochemistry P EXSS3024 Exercise, Health and Disease	Semester 2
STAT2012 Statistical Tests	6	P MATH (1005 or 1905 or 1015) N STAT2004, STAT2912	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (last offered in 2012)			
Semester 1			
EXSS3037 Exercise Pharmacology and Immunology	6	P Either (BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II and EXSS2019 Exercise Physiology-Acute Responses) or (BIOS1170 Body Systems: Structure and Function and EXSS2028 Exercise Physiology and Biochemistry)	Semester 1
EXSS3048 Applied Nutrition <i>This unit of study is not available in 2011</i>	6	C NUTR3911 Nutritional Assessment Methods, NUTR3921 Methods in Nutrition Practice	Semester 1
NUTR3911 Nutritional Assessment Methods	6	P NUTR2911 and NUTR2912 N NUTR3901	Semester 1
NUTR3921 Methods in Nutrition Practice	6	P NUTR2911 and NUTR2912 N NUTR3901	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BCHM3072 Human Molecular Cell Biology	6	P (MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) N BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 <i>BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study</i>	Semester 2

2. Exercise and Sport Science

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BCHM3082 Medical and Metabolic Biochemistry	6	P MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. N BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904 <i>BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study</i>	Semester 2
NUTR3912 Community and Public Health Nutrition	6	P NUTR2911 and NUTR2912 N NUTR3902	Semester 2
NUTR3922 Nutrition and Chronic Disease	6	P NUTR2911 and NUTR2912 N NUTR3902	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
1. Students can exit here with BAppSc (Exercise, Sport Science and Nutrition).			
Year 5			
Semester 1			
NUTR4001 Clinical Nutritional Science A	24	<i>Note: Department permission required for enrolment This unit of study may commence as early as mid February.</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NUTR4002 Clinical Nutritional Science B	24	<i>Note: Department permission required for enrolment This unit of study will commence prior to the start of semester.</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
2. Students can exit here with BAppSc (Ex&SportSc) & BSc (Nutrition) with Honours in Nutrition and Dietetics.			
or			
Year 5			
Semester 1			
NUTR4101 Nutrition Research A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
NUTR4102 Nutrition Research B	12	C NUTR4101	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NUTR4103 Nutrition Research C	12	C NUTR4102	Semester 1 Semester 2
NUTR4104 Nutrition Research D	12	C NUTR4103	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
3. Students can exit here with BAppSc (Ex&SportSc) & BSc (Nutrition) with Honours in Nutrition.			

Bachelor of Applied Science (Exercise, Sport Science and Nutrition)

Note: The degree of Bachelor of Applied Science (Exercise and Sport Science and Nutrition) is no longer open to new enrolments. Students interested in studies in exercise science and nutrition should enrol in the double degree of Bachelor of Applied Science (Exercise and Sport Science) and Master of Nutrition and Dietetics. See page 21 for further information.

This degree in exercise, sport science and nutrition is designed for those students wanting to pursue a career in exercise science integrated with a comprehensive understanding of biochemistry and nutrition, without the training in clinical dietetics. The integrated training provided by this program will enable graduates to design effective exercise and nutrition programs for healthy individuals and elite athletes. In addition they will be skilled at providing nutrition and exercise advice to those with lifestyle diseases (eg heart disease, diabetes, hypertension) and disability and be able to provide these individuals with general nutrition or lifestyle-based advice to improve their dietary practices.

Admission requirements

Enrolment into the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) course is available only to those who have initially enrolled in the combined degree Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition).

About the course

The Bachelor of Applied Science (Exercise, Sport Science and Nutrition) provides students with a thorough understanding of the scientific aspects of exercise, sport science and nutrition. This course differs from the combined degree in that it is a single four-year degree. Students follow a prescribed program of study with a total of 192 credit points. This is the same program as the first four years of the combined degree and therefore provides an opportunity to transfer from the combined (five-year) degree to this four-year program. Learning will take place on both the Cumberland and Camperdown campuses of the University of Sydney.

Professional experience

As for all undergraduate degrees in Exercise and Sport Science, students must complete a minimum of 140 hours of approved professional experience in exercise and sport science in their own time. The purpose of the professional field experience program is to apply theoretical knowledge to practice in a variety of community settings. Where possible, placements that provide integrated learning in both exercise science and nutrition will be highlighted to the student. The 140 hours of practical experience is also a requirement for membership of the professional body for Australian exercise scientists (Exercise and Sport Science Australia).

Workload

Refer to the entry for Bachelor of Applied Science (Exercise and Sport Science).

Careers

Employment opportunities for students who complete the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) would focus on their skills in both exercise science and nutrition. Areas of employment may include the sports, fitness, health and food industries, occupational health and safety, public health, rehabilitation, research and technology, education and medical insurance.

For graduates seeking further career development or professional accreditation, the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) meets the prerequisite requirements for entry into postgraduate courses in medicine, physiotherapy, occupational therapy, public health, safety science and education.

Professional recognition

Graduates are eligible to apply for membership of Exercise and Sport Science Australia as an exercise scientist. Graduates may also work in public health and community nutrition.

Honours in Exercise and Sport Science

The honours program is an additional year of full-time study in which the student conducts a research project and writes a thesis under the supervision of a member of the academic staff. Admission is competitive and based on the student's marks across all units of study. The student must be eligible for the award of a pass degree, and be considered by the head of academic unit to have the aptitude to conduct a research project.

Further information may be obtained from the program coordinator.

Course outline

The course outline for the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) is presented in Table 2.4.

Note: Years 1–4 are common with the combined degree program.

Table 2.4: Bachelor of Applied Science (Exercise, Sport Science and Nutrition)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH115: Pass course; full-time, 4 years			
Not available to students commencing after 2009			
Course code SH134: Honours program; full-time, 5 years			
In Year 1, all students will enrol in the Combined BAppSc (Exercise and Sport Science)/BSc (Nutrition) program (Table 8.2) which has an identical curriculum to this program and will transfer to the BAppSc (Exercise, Sport Science and Nutrition) only after completion of at least two semesters of the combined degrees course.			
Pass course			
Years 1 to 4			
See Tables 2.2 and 2.3			
Honours program			
Year 5			
Semester 1			
EXSS4004 Honours Thesis A	24	<i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS4005 Honours Thesis B	24	P EXSS4004 Honours Thesis A <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Bachelor of Applied Science (Exercise and Sport Science)/Master of Nutrition and Dietetics

The Bachelor of Applied Science (Exercise and Sport Science)/Master of Nutrition and Dietetics provides a clear pathway of study for top students wishing to pursue a career in both Exercise and Sport Science and Nutrition and Dietetics. The Bachelor of Applied Science (Exercise and Sport Science) is accredited by Exercise and Sport Science Australia (ESSA). The Master of Nutrition and Dietetics course is accredited by the Dietitians Association of Australia (DAA). During the Bachelor of Applied Science (Exercise and Sport Science), students complete units of study in biology, chemistry, human physiology, exercise physiology, biomechanics, motor control and learning, biochemistry and molecular biology that are necessary to satisfy the competencies for accreditation by ESSA and the chemistry/biochemistry prerequisites for entry into the Master of Nutrition and Dietetics. Students will need to complete a set program of study including 144 credit points over the three years in the Bachelor of Applied Science Exercise and Sport Science with one elective. Throughout the three years students also need to accrue 140 hours of practical placement in exercise science related fields.

The Master of Nutrition and Dietetics includes 96 credit points over two years and all units of study are compulsory. In the second year of the master's degree, students undertake a professional training placement and a semester of research that is examined by presentation, assignment and a report.

Admission requirements

Admission to the double degree Bachelor of Applied Science (Exercise and Sport Science) and Master of Nutrition and Dietetics is competitive. Most applicants are considered on the basis of the ATAR obtained in the New South Wales Higher School Certificate or equivalent. Some students are admitted based on a tertiary record and interview, or through the Mature Age Entry Scheme.

The student must complete the Bachelor of Applied Science (Exercise and Sport Science) units of study before commencing the Master of Nutrition and Dietetics units of study. Students must attain a weighted average mark (WAM) of 65 or greater (credit average) to articulate to the Master of Nutrition and Dietetics. The first-year units of study of the Master of Nutrition and Dietetics must be completed before the second-year units, ie research and professional placement, are undertaken.

About the course

The double degree requires study of selected Bachelor of Applied Science (Exercise and Sport Science) subjects on the Cumberland campus with electives in chemistry, biochemistry and molecular biology throughout the three-year degree taken on the Darlington campus. Students must attain a weighted average mark (WAM) of 65 or greater (credit average) to articulate to the Master of Nutrition and Dietetics. At the end of the Bachelor of Applied Science (Exercise and Sport Science) students with a WAM greater than 65 are also eligible to undertake an honours year in Exercise and Sports Science (by research) prior to the Master of Nutrition and Dietetics. The Master of Nutrition and Dietetics is offered at the Darlington campus.

Students who do not qualify for, or elect not to complete the honours year in Exercise Science or the Master of Nutrition and Dietetics will graduate in three years with a Bachelor of Applied Science (Exercise and Sport Science) and be eligible for Australian Association of

Exercise and Sport Science membership as an exercise scientist. Prospective students should be aware that they will be expected to carry out exercise testing procedures and have these procedures carried out upon themselves.

Professional experience

Extensive professional experience in exercise science is integrated throughout the Bachelor of Applied Science (Exercise and Sport Science) course. Students undertake placements in health and fitness, public and community health, research, clinical exercise and occupation rehabilitation centres, as well as settings of sports performance.

Workload

In the Faculty of Health Sciences, one credit point requires approximately two hours of student effort per week over the semester. These hours include both class contact hours and time spent on study in the unit. A standard full-time student enrolled in units totalling 24 credit points in each semester has a total workload of approximately 48 hours per week.

Careers

Examples of careers in exercise science include sports performance (sport scientist, coach, trainer), exercise in the workplace, fitness industry (corporate fitness manager, personal fitness promotion), occupational health and safety and injury prevention (occupational ergonomics). Specific nutrition and dietetics-related careers include hospital, community and private practice dietetics, food industry and food science. Careers in community health promotion, non-government organisations involved in health and disease, public health, public relations and the media would be relevant using either or both professional qualifications.

Professional recognition

Bachelor of Applied Science (Exercise and Sport Science) graduates may apply for full membership of Exercise and Sport Science Australia (ESSA) as an exercise scientist. A minimum of 140 hours of practical experience is necessary for graduates to meet the ESSA membership requirements. Master of Nutrition and Dietetics graduates may apply for full membership of the Dietitians Association of Australia (DAA).

Honours

Students will be permitted to undertake honours in the Bachelor of Applied Science (Exercise and Sport Science), which is an additional year of full-time study during the fourth year of the double degree program. This will extend the double degree to six years.

Honours students conduct a research project and write a thesis under the supervision of a member of the academic staff. Admission is competitive and will be based on the student's marks across all units of study. The student must be eligible for the award of a pass degree, and be considered by the head of the academic unit to have the aptitude to conduct a research project.

Course outline

The course outlines for the Bachelor of Applied Science (Exercise and Sport Science) and Master of Nutrition and Dietetics, at both pass and honours levels, are presented in Tables 2.5 and 2.5.1.

Table 2.5: Bachelor of Applied Science (Exercise and Sport Science)/Master of Nutrition and Dietetics

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH139: Pass course; full-time, 3 years			
Candidates must complete the BAppSc (Ex&SportSc) degree with an overall Weighted Average Mark (WAM) of at least 65 in order to be accepted into the Master of Nutrition and Dietetics. Students who do not achieve a WAM of 65 will graduate with the award of BAppSc (Ex&SportSc).			
Year 1			
Semester 1			
CHEM1001 Fundamentals of Chemistry 1A	6	A There is no assumed knowledge of chemistry for this unit of study, but students who have not undertaken an HSC chemistry course are strongly advised to complete a chemistry bridging course before lectures commence. N CHEM1101, CHEM1901, CHEM1109, CHEM1903	Semester 1
or			
CHEM1101 Chemistry 1A	6	A HSC Chemistry and Mathematics C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM1001, CHEM1109, CHEM1901, CHEM1903	Semester 1 Semester 2 Summer Main
and			
BACH1161 Introductory Behavioural Health Sciences	6	N BACH1132, BACH1134, HSBH1003	Semester 1 Semester 2
BIOS1168 Functional Musculoskeletal Anatomy A	6	N BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy	Semester 1 Semester 2
EXSS1018 Biomechanics of Human Movement	6	A HSC mathematics	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CHEM1002 Fundamentals of Chemistry 1B	6	P CHEM (1001 or 1101) or equivalent N CHEM1102, CHEM1108, CHEM1902, CHEM1904	Semester 2
or			
CHEM1102 Chemistry 1B	6	P CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM1002, CHEM1108, CHEM1902, CHEM1904	Semester 1 Semester 2 Summer Main
and			
BIOS1170 Body Systems: Structure and Function	6	A BIOS1167 Human Cell Biology or any Junior Biology unit of study N BIOS1127, BIOS1133, BIOS2098, BIOS2099	Semester 1 Semester 2
EXSS1029 Muscle Mechanics and Training	6	A One of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A	Semester 1 Semester 2
EXSS1032 Fundamentals of Exercise Science	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BIOS1169 Functional Musculoskeletal Anatomy B	6	P BIOS1136 Functional Anatomy A or BIOS1168 Functional Musculoskeletal Anatomy A or BIOS1159 Functional Anatomy A - Exercise Science N BIOS1139, BIOS1144, BIOS1160	Semester 1 Semester 2
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
EXSS2018 Biomechanical Analysis of Movement	6	P EXSS1018 Biomechanics of Human Movement	Semester 1
EXSS2028 Exercise Physiology and Biochemistry	6	A BIOS1167 Human Cell Biology and EXSS1032 Fundamentals of Exercise Science N EXSS2017, EXSS2019	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2021 Nutrition, Health and Performance	6	P Either: EXSS2017 Biochemistry of Exercise and EXSS2019 Exercise Physiology-Acute responses, or EXSS2028 Exercise Physiology and Biochemistry	Semester 2
EXSS2022 Exercise Physiology-Training Adaptations	6	A BCHM2072 Human Biochemistry P Either: EXSS2017 Biochemistry of Exercise and EXSS2019 Exercise Physiology-Acute responses, or EXSS2028 Exercise Physiology and Biochemistry	Semester 2
EXSS3023 Exercise Testing and Prescription	6	A EXSS2027 Exercise Physiology for Physicians or EXSS2028 Exercise Physiology and Biochemistry	Semester 1 Semester 2
MBLG1001 Molecular Biology and Genetics (Intro)	6	A 6 credit points of Junior Biology and 6 cp of Junior Chemistry N AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871, MBLG1901	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 3 (first offered in 2012)			
Semester 1			
EXSS2025 Motor Control and Learning	6	A BIOS1171 Neuroscience	Semester 1 Semester 2
EXSS3024 Exercise, Health and Disease	6	A EXSS3023 Exercise Testing and Prescription, and either EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians	Semester 1
EXSS3045 Professional Practice	6	P EXSS1032 Fundamentals of Exercise Science	Semester 1
MBLG2071 Molecular Biology and Genetics A	6	P MBLG1001 or MBLG1901 and 12 CP of Junior Chemistry. N MBLG2971, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, AGCH2001, BCHM2001, BCHM2101, BCHM2901 Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course (CHEM1101, BACH1161, BIOS1159, EXSS1018 CHEM1102, BIOS1133, BIOS1160, EXSS1033, MBLG1001) prior to enrolling in this unit.	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BCHM2072 Human Biochemistry	6	P Either MBLG (1001 or 1901) and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971 N BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112	Semester 2
EXSS2026 Growth, Development and Ageing	6		Semester 2
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
Elective [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
Entry to the Master of Nutrition and Dietetics is dependent on the student achieving a credit (65%) average or above in the undergraduate degree.			
Master of Nutrition and Dietetics			
Course code LC093: Pass course; full-time, 2 years			
Year 1 (first offered in 2013)			
Semester 1			
NTDT5305 Food Service Management [6]			
NTDT5501 Nutritional Science [6]			
NTDT5502 Food Science [3]			
NTDT5503 Dietary Intake & Nutritional Assessment [6]			
NTDT5504 Communications A [3]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NTDT5307 Clinical Nutrition and Dietetics [12]			
NTDT5308 Community and Public Health Nutrition [10]			
NTDT5309 Communication [2]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2014)			
Semester 1			
NTDT5310 Nutrition Research Project [24]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NTDT5311 Nutrition Practice [12]			
NTDT5312 Nutrition & Dietetics Training Placement [12]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 2.5.1: Bachelor of Applied Science (Exercise and Sport Science) Honours/Master of Nutrition and Dietetics

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH054: Honours program; full-time, 4 years			
Candidates must complete the BAppSc (Ex&SportSc) degree with an overall Weighted Average Mark (WAM) of at least 65 in order to be accepted into the Master of Nutrition and Dietetics. Students who do not achieve a WAM of 65 will graduate with the award of BAppSc (Ex&SportSc).			
Years 1-3			
As per Pass course			
Year 4 (first offered in 2013)			
Semester 1			
EXSS4004 Honours Thesis A [24]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS4045 Honours Thesis B [24]			
Note			
Entry to the Master of Nutrition and Dietetics is dependent on the student achieving a credit (65%) average or above in the undergraduate degree.			
Master of Nutrition and Dietetics			
Course code LC093: Pass course; full-time, 2 years			
Year 1			
Semester 1			
NTDT5305 Food Service Management [6]			
NTDT5501 Nutritional Science [6]			
NTDT5502 Food Science [3]			
NTDT5503 Dietary Intake & Nutritional Assessment [6]			
NTDT5504 Communications A [3]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NTDT5307 Clinical Nutrition and Dietetics [12]			
NTDT5308 Community and Public Health Nutrition [10]			
NTDT5309 Communication [2]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
NTDT5310 Nutrition Research Project [24]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NTDT5311 Nutrition Practice [12]			
NTDT5312 Nutrition & Dietetics Training Placement [12]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing

Note: The following course is no longer open to new enrolments. The information below is provided for continuing students already enrolled in the program.

The Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing is a four-year pre-registration course for students wishing to undertake a combined degree. Students are required to complete 96 credit points in the Bachelor of Applied Science (Exercise and Sport Science) and 96 credit points in the Master of Nursing. Master of Nursing units are begun in the second year of the undergraduate degree.

Students are generally expected to obtain a credit average in Year 1 to be permitted to commence study in the Master of Nursing in Year 2. Students are not permitted to enrol in Year 4 units without having completed their Bachelor of Applied Science (Exercise and Sport Science) degree.

The combined study of exercise and sport science with a professional qualification in nursing means that graduates have a broader range of skills and knowledge. Examples of careers include employment in the sport industry, fitness industry, health industry, occupational health and safety, public health, rehabilitation, research and technology, education and medical insurance.

At the conclusion of the course, students, subject to the requirements of the *Nurses Act* of NSW, will be eligible to apply for registration with the Nurses and Midwives Board, NSW.

Admission requirements

Candidates should refer to the Faculty of Health Sciences and Faculty of Nursing and Midwifery handbooks for admission requirements.

Prospective students should note in particular Division 5, 29A of the *Nurses Act 1991* No 9 as described in the course description for the Master of Nursing.

Professional experience

Students must complete a minimum of 140 hours of approved professional experience (practicum) in Exercise and Sport Science in their own time by Week 13, Semester 2, Year 3. The purpose of the professional field experience program is to apply theoretical knowledge to practice in a variety of community settings. The 140 hours of practical experience is also a requirement for membership of the professional body for Australian exercise scientists (Exercise and Sport Science Australia). The student will develop professional skills and competencies, and an appreciation of the responsibilities and commitments of the workplace.

Course outline

The course outline for the Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing is presented in Table 2.6.

Table 2.6: Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing

Unit of study	Credit points	A: Assumed knowledge	P: Prerequisites	C: Corequisites	N: Prohibition	Session
Course code GH018: Pass course; full-time, 4 years						
Year 3 (last offered in 2011)						
Semester 1						
NURS5083 Human Bioscience in Health	6	N BIOL1003				Semester 1
EXSS3024 Exercise, Health and Disease	6	A EXSS3023 Exercise Testing and Prescription, and either EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians				Semester 1
EXSS3042 Nutrition for Health, Exercise and Sport	6	P BIOS1167 Human Cell Biology OR EXSS1031				Semester 1
NURS5082 Developing Nursing Practice	6	C NURS5081				Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS						
Semester 2						
EXSS3027 Exercise and Rehabilitation	6	A Either: both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians or EXSS2028 Exercise Physiology and Biochemistry P EXSS3024 Exercise, Health and Disease				Semester 2
EXSS3049 Sport and Exercise Psychology	6	P BACH1161 Introductory Behavioural Health Sciences				Semester 2
NURS5084 Nursing the Acutely Ill Person	6	P NURS5082 or NURS5004				Semester 2
NURS5085 Mental Health Nursing Practice	6	C NURS5084				Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS						
Year 4						
Semester 1						
NURS6004 Nursing and the Politics of Health Care	6	<i>Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.</i>				Semester 1
NURS6008 Inquiry and Research in Nursing	6	<i>Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.</i>				Semester 1
NURS6018 Care and Chronic Conditions	6	P NURS5084, NURS5085, NURS5081				Semester 1

2. Exercise and Sport Science

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
NURS6019 High Acuity Nursing	6	P NURS5084, NURS5081	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NURS6022 Community Health Nursing	6	P NURS6018 and NURS6019	Semester 2
NURS6023 Professional Practice of Nursing	6		Semester 2
NURS6024 Global Health and Nursing	6	P NURS5002	Semester 2
and			
Select one of the following electives [6]			
NURS6025 Nursing Practice (Mental Health Option)	6	P NURS6018 and NURS6019 and NURS5085 <i>Note: Department permission required for enrolment</i>	Semester 2
NURS6026 Nursing Practice (Paediatric Option)	6	P NURS6018 and NURS6019 <i>Note: Department permission required for enrolment</i>	Semester 2
NURS6027 Nursing Practice (High Acuity Option)	6	P NURS6018 and NURS6019 <i>Note: Department permission required for enrolment</i>	Semester 2
NURS6028 Nursing Practice (Clinical Nursing Opt)	6	P NURS5084 and NURS6018 <i>Note: Department permission required for enrolment</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
1. Progression to the third and fourth years of this combined program requires a credit point average.			

3. Medical Radiation Sciences

Courses of study

There are three streams in the discipline of Medical Radiation Sciences: diagnostic radiography, nuclear medicine and radiation therapy. Studies in all three streams are available by coursework and research at postgraduate level and in the area of diagnostic radiography at undergraduate level; some postgraduate courses are offered in off-campus mode. See Chapter 13 for details of graduate courses and Chapter 19 for information on research degrees offered by the Faculty of Health Sciences.

All the courses are designed to stress the importance of developing a lifelong attitude to learning and provide graduates with a wide range of generic attributes. These skills allow them to develop not only within their chosen profession, but to branch into different careers as new opportunities arise. Qualifications are recognised worldwide and many of our graduates work overseas.

Professional information

A diagnostic radiographer is a qualified health professional who uses a range of modalities to provide images and data for the diagnosis and treatment of injury and disease. Diagnostic radiographers have the skills and knowledge to produce medical images and critically analyse these and data generated to determine whether they are diagnostically adequate and appropriate for radiological interpretation. In the radiology department, the diagnostic radiographer will usually work with the radiologist, however, outside the department they may work with a range of medical specialists in a variety of areas. Diagnostic radiographers are involved with digital imaging systems such as magnetic resonance imaging, a very sensitive method of imaging some parts of the body that is a rapidly expanding speciality, allowing the radiographer to be on the cutting-edge of advances in technology and associated research.

A nuclear medicine technologist works in the field of medicine that uses radionuclides in the diagnosis and treatment of disease. A nuclear medicine technologist's responsibilities include the preparation and administration of radiopharmaceuticals to patients and the acquisition and computer analysis of diagnostic functional images using sophisticated instrumentation. Nuclear medicine technologists have responsibility for critically analysing images and data to determine whether they are of a high diagnostic standard, for performing quality control procedures in all aspects of their work and for ensuring that they provide a high level of patient care.

A radiation therapist is responsible for the accurate and precise planning, calculation and delivery of radiation to cure or relieve the symptoms of malignant disease. A radiation therapist is involved in the localisation of the treatment area using CT scans and treatment simulators, the design and calculation of the treatment technique using sophisticated three-dimensional computerised planning systems and the daily treatment of patients. They also provide emotional, social and educational support to their patients, since patients undergo treatment for several weeks.

Graduates from each of the three streams are required to work for one year in an approved clinical centre before receiving full accreditation from their respective professional associations.

Health professionals working in any of the fields described above must combine technical competence and expertise with a high level of communication and interpersonal skills. At all times they must maintain a high level of concern for the care and safety of patients. As health professionals they are an integral part of the medical team.

Further information

T: +61 2 9351 9161

Website: sydney.edu.au/health_sciences

Bachelor of Applied Science (Medical Radiation Sciences)

Note: This undergraduate course is only offered in diagnostic radiography. See page 97 for further information on postgraduate courses.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Medical Radiation Sciences) course. The general admission requirements apply. However, prospective students would benefit from undertaking mathematics, and either one of physics, chemistry, or biology at HSC level. Good oral English communication skills are assumed as a large component of the course involves dealing directly with people in clinical settings.

Honours

Students are advised to contact the diagnostic radiography honours course coordinator for specific information related to the Bachelor of Applied Science (Medical Radiation Sciences) honours program.

Course outline

The course outline for the diagnostic radiography program is presented in Table 3.1, the nuclear medicine program is presented in Table 3.2 and the radiation therapy see Table 3.3. The honours program is presented in Table 3.4. Units of study are described in Chapter 7.



Table 3.1: Bachelor of Applied Science (Medical Radiation Sciences) Diagnostic Radiography Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH116 (Diagnostic Radiography): Pass course; full-time, 3 years			
Year 1			
Semester 1			
BIOS1155 Structure, Function and Disease A	6		Semester 1
BIOS1167 Human Cell Biology	6	A Students who have not completed HSC Chemistry (or equivalent) are strongly advised to take the Chemistry Bridging Course - CS208 (in February). N BIOS1126 Human Biology and Biochemistry; BIOS1156 Human Biology and Radiobiology; BIOS1161 Biochemistry and Human Biology; HSBM1001 Biochemistry and Human Biology; and BIOS1130 Molecules and Energy	Semester 1
MRTY1031 Medical Radiation Physics	6	A HSC Physics, 2 unit Maths <i>Students without the assumed knowledge are strongly advised to enrol in the Foundation Mathematics and Physics Bridging Courses offered prior to the commencement of Semester 1.</i>	Semester 1
MRTY1032 Preparation for Practice	6	<i>The clinical placement component will be undertaken during semester break and must be completed prior to Semester 2</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1161 Introductory Behavioural Health Sciences	6	N BACH1132, BACH1134, HSBH1003	Semester 1 Semester 2
BIOS1158 Structure, Function and Disease B	6	N HSBM1003 Principles of Human Body Systems B	Semester 2
MRTY1033 Radiographic Practice 1	6	P MRTY1032 Preparation for Practice	Semester 2
MRTY1036 Health Physics and Radiation Biology	6	P MRTY1031 Medical Radiation Physics	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BACH2140 Research Methods for Health Sciences	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
MRTY2080 Radiographic Practice 2.1	6	P MRTY1033 Radiographic Practice 1	Semester 1
MRTY2081 Clinical Education 2.1DR	6	P MRTY1033 Radiographic Practice 1 <i>Note: Department permission required for enrolment in the following sessions: Semester 2 Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status</i>	Semester 1 Semester 2
MRTY2082 Radiographic Physics 2	6	P MRTY1031 Medical Radiation Physics	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRTY2089 Integrated Diagnosis and Treatment	6		Semester 2b
MRTY2090 Clinical Education 2.2DR	6	P MRTY2081 Clinical Education 2.1DR <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status</i>	Semester 1 Semester 2
MRTY2091 Clinical Education 2.3DR	6	P MRTY2081 Clinical Education 2.1DR <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status</i>	Semester 1 Semester 2
MRTY2092 Radiographic Practice 2.2	6		Semester 2b
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
MRTY3099 Research in Medical Radiation Sciences	6	C BACH2140 Research Methods for Health Sciences <i>Assessment is based on group work and peer evaluation</i>	Semester 1
MRTY3105 Radiographic Practice 3	6	A MRTY2092 Radiographic Practice 2.2, MRTY2091 Clinical Education 2.3DR	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MRTY3106 Clinical Education 3DR	6	P MRTY2091 Clinical Education 2.3DR, MRTY2092 Radiographic Practice 2.2 <i>Note: Department permission required for enrolment in the following sessions: Semester 2 Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status</i>	Semester 1 Semester 2
MRTY3115 Introductory Sonography	6	A BIOS1155 Structure, Function and Disease A, BIOS1158 Structure, Function and Disease B <i>This unit of study assumes the student to be familiar with cross-sectional anatomy images</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRTY3100 Digital Imaging	6	A Discipline specific Physics 2 (MRTY2082 Radiographic Physics 2 or MRTY2084 Nuclear Medicine Physics 2 or MRTY2087 Radiation Therapy Physics 2), MRTY2089 Integrated Diagnosis and Treatment	Semester 2
MRTY3101 Ethics, Law and Professional Practice	6	A MRTY1032 Preparation for Practice	Semester 2
MRTY3107 Radiographic Physics 3	6	A MRTY2082 Radiographic Physics 2	Semester 2
MRTY3118 MR Theory Applications	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 3.2: Bachelor of Applied Science (Medical Radiation Sciences) Nuclear Medicine Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH117 (Nuclear Medicine): Pass course; full-time, 3 years			
Year 3 (last offered in 2011)			
Semester 1			
MRTY3099 Research in Medical Radiation Sciences	6	C BACH2140 Research Methods for Health Sciences <i>Assessment is based on group work and peer evaluation</i>	Semester 1
MRTY3108 Nuclear Medicine Practice 3	6	A MRTY2095 Nuclear Medicine Practice 2.2, MRTY2094 Clinical Education 2.3NM <i>Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status</i>	Semester 1
MRTY3109 Clinical Education 3NM	6	P MRTY2093 Clinical Education 2.2NM, MRTY2094 Clinical Education 2.3NM N Failure to have the following will result in a removal from clinical placement: criminal record check, personal radiation monitor, immunity status record, student identification badge <i>Note: Department permission required for enrolment in the following sessions: Semester 2 All the required clinical achievements must be completed to pass this unit</i>	Semester 1 Semester 2
MRTY3115 Introductory Sonography	6	A BIOS1155 Structure, Function and Disease A, BIOS1158 Structure, Function and Disease B <i>This unit of study assumes the student to be familiar with cross-sectional anatomy images</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRTY3100 Digital Imaging	6	A Discipline specific Physics 2 (MRTY2082 Radiographic Physics 2 or MRTY2084 Nuclear Medicine Physics 2 or MRTY2087 Radiation Therapy Physics 2), MRTY2089 Integrated Diagnosis and Treatment	Semester 2
MRTY3101 Ethics, Law and Professional Practice	6	A MRTY1032 Preparation for Practice	Semester 2
MRTY3110 Nuclear Medicine Physics 3	6	A MRTY2084 Nuclear Medicine Physics 2	Semester 2
MRTY3116 CT for Nuclear Medicine Technologists	6	<i>This unit of study assumes the student to be familiar with cross-sectional anatomy images and have knowledge of the fundamental physics of computed tomography (CT)</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 3.3: Bachelor of Applied Science (Medical Radiation Sciences) Radiation Therapy Pass

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH118 (Radiation Therapy): Pass course; full-time, 3 years			
Year 3 (last offered in 2011)			
Semester 1			
MRTY3099 Research in Medical Radiation Sciences	6	C BACH2140 Research Methods for Health Sciences <i>Assessment is based on group work and peer evaluation</i>	Semester 1
MRTY3111 Radiation Therapy Practice 3.1	6	A MRTY2098 Radiation Therapy Practice 2.2	Semester 1
MRTY3112 Clinical Education 3RT	6	P MRTY2086 Radiation Therapy Practice 2.2, MRTY2097 Clinical Education 2.3RT <i>Note: Department permission required for enrolment in the following sessions: Semester 2 Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status</i>	Semester 1 Semester 2
MRTY3115 Introductory Sonography	6	A BIOS1155 Structure, Function and Disease A, BIOS1158 Structure, Function and Disease B <i>This unit of study assumes the student to be familiar with cross-sectional anatomy images</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRTY3100 Digital Imaging	6	A Discipline specific Physics 2 (MRTY2082 Radiographic Physics 2 or MRTY2084 Nuclear Medicine Physics 2 or MRTY2087 Radiation Therapy Physics 2), MRTY2089 Integrated Diagnosis and Treatment	Semester 2
MRTY3101 Ethics, Law and Professional Practice	6	A MRTY1032 Preparation for Practice	Semester 2
MRTY3113 Radiation Therapy Practice 3.2	6	A MRTY3111 Radiation Therapy Practice 3.1 P MRTY2087 Radiation Therapy Physics 2	Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Elective list			
Electives may be taken from within or outside the Faculty of Health Sciences, subject to availability, prerequisites and minimum student enrolment.			
Students may choose:			
The following MRS elective ;			
MRTY3117 Diagnostic Imaging for Rad Therapists	6		Semester 2
or			
Any Faculty elective, subject to timetabling (see Chapter 7 for a list of Faculty electives);			
or			
Any relevant University elective or unit of study, providing approval is obtained from both the undergraduate program coordinator and the unit coordinator.			

Table 3.4: Bachelor of Applied Science (Medical Radiation Sciences) Honours

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH114 (Diagnostic Radiography): Honours course: full-time, 4 years; part-time, 5 years			
Course code SH110 (Nuclear Medicine): Honours course: full-time, 4 years; part-time, 5 years			
Course code SH109 (Radiation Therapy): Honours course: full-time, 4 years; part-time, 5 years			
Full-time mode			
Year 3			
As per Pass course			
Year 4			
Semester 1			
MRTY4032 Honours Thesis 1A	24		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRTY4033 Honours Thesis 1B	24		Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Years 1 to 3			
As per Pass course			
Year 4			
Semester 1			
MRTY4034 Honours Thesis A	12		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
MRTY4035 Honours Thesis B	12		Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 5			
Semester 1			
MRTY4036 Honours Thesis C	12		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
MRTY4037 Honours Thesis D	12		Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Notes to the tables

1. Clinical placements

Due to clinical education placements some academic semesters are not run over the entire 16 weeks. Academic teaching and assessment will be condensed to fit with these placements.

2. Honours

Students have the option to enrol in the honours program in full-time mode or part-time mode. Students in full-time mode complete their honours over one year ie two full-time semesters. Students in part-time mode complete their honours over two years ie two part-time semesters in year 4 and two part-time in year 5.

Clinical Education

For further information on Clinical Education visit:
http://sydney.edu.au/health_sciences/clinical/

4. Occupational Therapy

Courses of study

The discipline of Occupational Therapy offers the following undergraduate program:

- The Bachelor of Applied Science (Occupational Therapy) pass and honours degree is offered on a full-time basis over four years. These courses prepare students to practise as an occupational therapist.

A graduate professional-entry qualification is also offered:

- The Master of Occupational Therapy degree is an alternative professional-entry pathway suitable for students with relevant undergraduate qualifications. See Chapter 14 for further information.

A range of postgraduate study options have also been developed:

- The Graduate Certificate and Master of Health Sciences, with an Occupational Therapy major, have been designed to provide specific professional development for occupational therapists who wish to extend their knowledge, skills and attitudes as practitioners, teachers and learners. See Chapter 9 for further information.

Research programs include:

- PhD
- Master of Applied Science.

For further information on the research degrees offered by the faculty, see Chapter 19.

Professional information

Occupational therapy prioritises enabling people's participation in life as fully as they would like.

Occupational therapists help to overcome barriers and create opportunities for people of all ages who may have been constrained by injury, illness or other circumstances. Often, it is the environment that 'disables' people, including the built environment, social attitudes and assumptions, or public policies and institutional practice. At other times, an activity may be too complex or demanding. New abilities, adapted techniques or assistive devices may be required. Occupational therapists help a diverse range of clients in many different settings to optimise participation and meaning in their daily lives.

Further information

T: +61 2 9351 9161
sydney.edu.au/health_sciences

Bachelor of Applied Science (Occupational Therapy)

Occupational therapy involves understanding and promoting human occupations (self-care, school/work, play/leisure) by improving the match between people's capabilities, the tasks they need and want to do and the resources available for performing those tasks and roles. Occupational therapists work with people of all ages who have experienced developmental difficulties, illness or injury that prevent them from doing what they need and want to do every day.

Study in occupational therapy includes: theories of what people do in daily life and why; knowledge of the development of human capabilities (eg cognitive, motor, psychosocial) and the ways in which injury and illness typically disrupt them; activity and environmental analysis; and theories and techniques for promoting participation in daily life.

Occupational therapists work with people of all ages whose lives have been disrupted by developmental deficits, the ageing process, physical injury, illness or psychological or social disability. Occupational therapists work in healthcare and community settings, schools, work environments and in private practice. Some occupational therapists are researchers; some are educators.

Admission requirements

There are no specific admission requirements to the Bachelor of Applied Science (Occupational Therapy) course. However, prospective students may benefit from undertaking biology at HSC level.

Honours

For information specific to the occupational therapy honours program students are advised to contact the honours course coordinator. Entry is based on academic performance in Years 1 and 2 of the pass course. The occupational therapy honours program includes the first five semesters of the pass program followed by three semesters when the student is specifically enrolled in the honours program. In order for honours students to have adequate time to pursue their research studies, a number of modifications including internal exemptions, timetabling flexibility and Professional Practice IV flexibility are offered. Students undertake Professional Practice IV at a suitable time in relation to their research studies and in consultation with their supervisor and the Professional Practice IV unit coordinator.

Course outline

The course outlines for the Bachelor of Applied Science (Occupational Therapy) at both pass and honours levels are presented in Tables 4.1, 4.1.1 and 4.2. Units of study are described in Chapter 7.



Table 4.1: Bachelor of Applied Science (Occupational Therapy) Pass

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH111: Pass course; full-time, 4 years			
Year 4 (last offered in 2011)			
Semester 1			
<i>Professional electives</i>			
Students choose up to three professional (total 18 credit points) electives of 6 credit points each and at least 6 credit points of Faculty electives. Availability of OCCP professional electives may vary from year to year.			
OCCP4079 OT in Learning & Co-ord Difficulties	6	<i>Department permission required for enrolment</i>	Semester 1
OCCP4080 Upper Limb and Hand Rehabilitation	6	P OCCP1095 Components of Occupational Performance 1B, OCCP2044 Components of Occupational Performance 2B <i>Weekly attendance is mandatory</i>	Semester 1
OCCP4081 Enabling Participation and Safety in Age	6	P OCCP3061 Professional Practice 3A <i>Note: Department permission required for enrolment</i>	Semester 1
OCCP4082 OT in Occ Health, Safety & Rehab	6	P OCCP3064 Human Occupations III	Semester 1
OCCP4083 Mental Health Interventions	6	A OCCP1091 Components of Occ Performance IA, OCCP2044 Components of Occ Performance IIB, OCCP3066 Components of Occ Performance III	Semester 1
OCCP4084 Child & Adolescent Mental Health in OT	6	A Knowledge of typical child development P OCCP1083 Occupations and roles across the lifespan 1 OR OCCP2088 Occupational Performance: Child and Family	Semester 1
OCCP4085 People with Intellectual Disability	6		Semester 1
OCCP4086 Professional Elective - General	6	<i>Department permission required for enrolment</i>	Semester 1
plus Faculty elective [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP4051 Professional Practice IV	24	P OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Semester 2</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
Pass students choose electives to the value of 6 credit points during the first three years of the course. Honours students choose 3 credit points. The electives are chosen from outside the Occupational Therapy undergraduate course.			

Table 4.1.1: Bachelor of Applied Science (Occupational Therapy) Honours

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH112: Honours program; full-time, 4 years			
Year 4 (last offered in 2011)			
Semester 1			
OCCP4019 Honours Research Seminar II	4		Semester 1
OCCP4071 Professional Practice IV (Hons)	20	P OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP4072 Honours Thesis	24		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
The unit OCCP4070 Research Elective Independent Study is an approved elective.			

Table 4.2: Bachelor of Applied Science (Occupational Therapy)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH135: Pass course; full-time, 4 years			
Year 1			
Semester 1			
HSBH1003 Health, Behaviour and Society	6	N BACH1130, BACH1132, BACH1133, BACH1134, BACH1161	Semester 1
OCCP1096 Understanding Occupation-People-Context	6		Semester 1
OCCP1097 Occ Performance: Self-Care & Mobility	6		Semester 1
Elective (non OT) [6] (see note 1)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1168 Functional Musculoskeletal Anatomy A	6	N BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy	Semester 1 Semester 2
OCCP1098 Teaching Occupations and Performance	6		Semester 2
OCCP1099 Occupational Performance: Healthcare 1	6		Semester 2
OCCP1100 Professional Practice I	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
OCCP2084 Occupational Performance: Healthcare 2	6		Semester 1
OCCP2085 Occupational Performance: Home & Family	6		Semester 1
OCCP2086 Professional Practice 2	6	P OCCP1099 Occupational Performance: Healthcare 1, OCCP1100 Professional Practice I	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
OCCP2087 Occupational Performance: Community	6		Semester 2
OCCP2088 Occupational Performance: Child & Family	6		Semester 2
Elective (non-OT) [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
OCCP3061 Professional Practice IIIA	12	P OCCP2086 Professional Practice 2	Semester 1 Semester 2
OCCP3065 Professional Practice IIIB	12	P OCCP2086 Professional Practice 2	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP3076 Occupational Performance: Education	6		Semester 2
OCCP3077 Occupational Performance: Productivity	6		Semester 2
OCCP3078 Occupational Performance: Aging	6		Semester 2

4. Occupational Therapy

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Elective (non-OT) [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2012)			
Semester 1			
Health Promotion Through Occupation [6]			
Elective (OT or non-OT) [6] (see note 2)			
Elective (OT or non-OT) [6] (see note 2)			
Elective (OT or non-OT) [6] (see note 2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Professional Practice IV [18]			
Evaluation in Professional Practice [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. Students entering the program without a science background are strongly recommended to take BIOS1167 Human Cell Biology as the Year 1 elective, in preparation for BIOS1171 Neuroscience in Year 2.			
2. Students are required to complete 36 credit points of electives over the course of the degree. At least 6 credit points must come from the Behavioural or Social Sciences (or equivalent) and a minimum of 6 credit points must come from the Biomedical Sciences (or equivalent). Otherwise, students may choose from not-OT units of study as well as Year 4 OT elective units of study (see Table 11.1).			

Table 4.2.1: Bachelor of Applied Science (Occupational Therapy) Honours

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH136: Pass course; full-time, 4 years			
Year 1			
Semester 1			
HSBH1003 Health, Behaviour and Society	6	N BACH1130, BACH1132, BACH1133, BACH1134, BACH1161	Semester 1
OCCP1096 Understanding Occupation-People-Context	6		Semester 1
Elective (non OT) [6] (see note 1)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1168 Functional Musculoskeletal Anatomy A	6	N BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy	Semester 1 Semester 2
OCCP1099 Occupational Performance: Healthcare 1	6		Semester 2
OCCP1100 Professional Practice I	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
OCCP2086 Professional Practice 2	6	P OCCP1099 Occupational Performance: Healthcare 1, OCCP1100 Professional Practice I	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
OCCP2088 Occupational Performance: Child & Family	6		Semester 2
Elective (non-OT) [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
OCCP3061 Professional Practice IIIA	12	P OCCP2086 Professional Practice 2	Semester 1 Semester 2
OCCP3065 Professional Practice IIIB	12	P OCCP2086 Professional Practice 2	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Choose two of the following three OCCP units (total 12 credit points)			
OCCP3076 Occupational Performance: Education	6		Semester 2
OCCP3077 Occupational Performance: Productivity	6		Semester 2
OCCP3078 Occupational Performance: Aging	6		Semester 2
plus			
OCCP3079 Honours Research Seminar 1	6		Semester 2
plus Elective: Research [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2012)			
Semester 1			
Health Promotion Through Occupation [6]			
Honours Research Seminar 2 (6)			
Honours Thesis 1 (12)			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Professional Practice IV (12)			
Honours Thesis 2 (12)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Professional practice

Professional practice is an integral part of the occupational therapy program. Fieldwork education may consist of block placements and other guided learning experiences. These experiences provide students with an opportunity to practice skills and take responsibility commensurate with their background knowledge and level of development acquired during the course. Fieldwork block placements are periods of two to ten weeks where students attend a setting five days a week full time for approximately 37.5 hours per week. The placements occur during semester time and during recess periods, at all levels of the courses, and are located in both metropolitan, country facilities and, in some cases, overseas facilities.

Occupational Therapy professional practice/fieldwork education

Professional Practice I

Lectures/tutorials and a five-day placement either during inter-semester recess or at other times during the year.

Professional Practice II

Lectures/tutorials and a 2-week block placement during inter-semester recess. Placements may also occur at different times of the year, subject to availability. Students are also required to complete peer interview/assessment projects.

Professional Practice IIIA and IIIB

Lectures/tutorials, online education and two 7-week block placements during Semester 1. Placements may also occur at different times of the year, subject to availability. Students are also required to attend

university before and after placements for professional practice briefing and debriefing classes.

Professional Practice IV

Lectures/tutorials, online education and an 8-week (pass program) or 6-week (honours program) placement during Semester 2. Students are required to attend university for a number of lectures and tutorials before and after placement and to complete assessments both on placement and on-campus.

Uniforms

Students may need to obtain uniforms to be worn while undertaking hospital placements where uniforms are required. Not all fieldwork sites require students to wear uniforms. Polo shirts, with the University crest and course name, can be obtained through the relevant student associations. A faculty name badge is required to be worn at all times during fieldwork placements. These badges can be obtained from the Students' Union.

Women

Short sleeves white blouse; navy blue culotte skirt or navy blue trousers; navy blue cardigan or jumper; navy, black or white closed shoes.

Men

White short sleeved shirt; navy blue trousers; navy blue cardigan or jumper; black or brown shoes.

5. Physiotherapy

Courses of study

There is a wide range of courses offered in the discipline of physiotherapy:

- Two physiotherapy professional undergraduate degrees: the Bachelor of Applied Science (Physiotherapy) pass and honours degrees. Both degrees are offered on a full-time basis over four years.
- A two-year Master of Physiotherapy course provides an alternative professional pathway for students who hold a bachelor's degree in a related discipline such as human movement to acquire the knowledge and skills to be registered as a beginning practitioner physiotherapist. See Chapter 16 for further information on the graduate entry program.
- The research programs at master's and doctoral levels provide an opportunity for research and scholarship in specific areas of physiotherapy. Current research projects include the investigation of musculoskeletal, neurological and cardiopulmonary physiotherapy and physiotherapy management after breast cancer surgery. Chapter 19 has information on the research degrees offered by the faculty.

Professional information

Physiotherapy is a health profession which deals with the prevention, assessment and treatment of human movement disorders. Physiotherapy services are used in a wide variety of areas such as health care organisations, private practices, schools and community, sports and workplace settings. The physiotherapy profession is committed to continued research into its fundamental concepts and activities and the evaluation of physiotherapy services to ensure the

optimum quality of care for the community it serves. The profession is also committed to effective communication with members of the health team, the community at large and the continuing education of its graduates.

The Bachelor of Applied Science (Physiotherapy) course and the Master of Physiotherapy courses are regularly reviewed to ensure that each of the physiotherapy competencies formulated by the physiotherapy profession in Australia are addressed in the curriculum. Reference to specific competencies is made in statements of unit aims and objectives in student manuals and other materials.

The Bachelor of Applied Science (Physiotherapy) course and the graduate-entry program of Master of Physiotherapy are accredited with the Australian Physiotherapy Council.

In common with other disciplines at the University of Sydney, all the professional programs in physiotherapy are developed to promote students development of generic as well as discipline-specific knowledge and skills. Generic skills, such as communication and teamwork, are necessary attributes of all graduates of higher education in this age of change. Graduates of the physiotherapy courses possess high capability for working in many different settings to promote health and facilitate rehabilitation. Clinical practicum venues include generalist and specialist settings in city and rural regions, and in institutional, school, industrial and community contexts.

Further information

T: +61 2 9351 9161
sydney.edu.au/health_sciences

Bachelor of Applied Science (Physiotherapy)

The current undergraduate programs require four years of full-time study. The Bachelor of Applied Science (Physiotherapy) pass and honours degrees aim to equip students with the appropriate knowledge, skills and attitudes to work effectively as members of the physiotherapy profession.

Graduates of the full-time programs are eligible to apply for registration as physiotherapists with the Physiotherapy Board of Australia. All graduates must meet the requirements of the Physiotherapy Board of Australia, including the English language skills requirements. These requirements at time of writing are a minimum of 7.0 (in all four components) in the IELTS test to qualify if they did not complete their secondary studies in English in one of the approved countries. Please refer to:

www.physiotherapyboard.gov.au/Registration-Standards.aspx for up-to-date information concerning English proficiency requirements for registration eligibility.

Admission requirements

There are no formal prerequisites for admission to the Bachelor of Applied Science (Physiotherapy) programs. As most students will be interacting with computers during their program, experience in the use of computers would be an advantage. Assumed knowledge includes mathematics, physics and chemistry at HSC level. Students who have not completed these studies recently are advised to consider attending one or more of the pre-semester bridging programs offered by the University of Sydney. Please refer to the general admission requirements and the section on bridging courses, both in Chapter 1.

Information on bridging courses offered at the Faculty of Health Sciences campus at Lidcombe is available online at:

sydney.edu.au/health_sciences/future_students/undergraduate/bridging

while bridging courses offered at the Camperdown campus are found at:

science.usyd.edu.au/fstudent/undergrad/entry/bridging.shtml.

The profession of physiotherapy is physically demanding and requires for its practice the development of a range of precise physical skills. Prospective students should be aware that they will be expected to carry out and have carried out upon themselves as simulated patients, all the examination and treatment procedures used by physiotherapists. Such practical classes may involve partial disrobing. Participation in these classes is a requirement of the program.

Any prospective student who thinks that he/she may have a consideration, condition or disability which may interfere with the development or practice of physical skills or with participation in clinical education should consult the course coordinator before commencing the program.

Honours

The following information is specific to the physiotherapy honours program. Entry to the honours program is competitive and requires completion of the first two and a half years of the undergraduate physiotherapy course with a credit or higher average without any failed grades.



5. Physiotherapy

An honours degree is awarded after satisfactory completion of all coursework and a dissertation during the fourth year of the course. There is no re-examination for the honours units of study.

Students who fail to meet this criterion in the honours program will be required to discontinue that program. They may be re-absorbed into the pass program provided they meet the criteria for retention and progression in this course. See Table 5.1.1 for the honours program course outlines.

For further information specific to the physiotherapy honours program, students are advised to contact the Honours Program Coordinator, Associate Professor Jack Crosbie, on telephone +61 2 9351 9180.

In order for honours students to have adequate time to pursue their research studies, modifications have been made to the pass program for these students. Modifications include: unit exemptions and additions (as outlined below).

In Semester 2 of Year 4, 2011 honours students will be required to enrol in:

- PHTY4101 Honours Research Dissertation, and
- PHTY4096 Physiotherapy in Childhood.

In addition they will be required to select three of the following four units of study:

- PHTY4097 Physiotherapy in the Workplace

- PHTY4098 Physiotherapy in Recreation
- PHTY4099 Physiotherapy in the Community
- PHTY4100 Physiotherapy for Older People.

Exemption: PHTY4109 Elective Studies

Clinical education

Information about clinical education is provided at: sydney.edu.au/health_sciences/future_students/undergraduate

Course outline

The course outlines for the Bachelor of Applied Science (Physiotherapy) at both pass and honours levels are presented in Tables 5.1, 5.1.1, 5.2 and 5.2.1.

Note: Students will normally complete all units listed in the sequence in which they appear in the faculty handbook. Permission to alter this sequence must be obtained from the course director. Non-standard students who are completing units from more than one year of the program are required to seek permission to enrol in particular units from the designated academic program adviser. This will ensure that students' programs are not severely hampered by an inappropriate or unmanageable combination of units. Attendance at all lectures and tutorials is expected for all units. Students entering the program are required to complete all first year units within two years and all first and second year units within four years.

Table 5.1: Bachelor of Applied Science (Physiotherapy) Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH095			
Year 4 (last offered in 2011)			
Semester 1			
PHTY4092 Musculoskeletal Physiotherapy E	4	P PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D	Semester 1
PHTY4093 Cardiopulmonary & Neurological Physio	4	P PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B	Semester 1
PHTY4094 Physiotherapy Practicum D	8	P PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D C PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio Note: Department permission required for enrolment in the following sessions: S2 Late Int	S1 Late Int S2 Late Int
PHTY4095 Physiotherapy Practicum E	8	P PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D C PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio Note: Department permission required for enrolment in the following sessions: S2 Late Int	S1 Late Int S2 Late Int
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY4096 Physiotherapy in Childhood	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4097 Physiotherapy in the Workplace	4	P PHTY4092 Musculoskeletal Physiotherapy E C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4098 Physiotherapy in Recreation	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4099 Physiotherapy in the Community	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4100 Physiotherapy for Older People	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4109 Elective Studies	4	C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 5.1.1: Bachelor of Applied Science (Physiotherapy) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH120: Honours course; full-time, 4 years			
Year 1 to Year 3			
As per SH095 Pass course			
Year 4 (last offered in 2011)			
Semester 1			
PHTY4092 Musculoskeletal Physiotherapy E	4	P PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D	Semester 1
PHTY4093 Cardiopulmonary & Neurological Physio	4	P PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B	Semester 1
PHTY4094 Physiotherapy Practicum D	8	P PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D C PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio <i>Note: Department permission required for enrolment in the following sessions: S2 Late Int</i>	S1 Late Int S2 Late Int
PHTY4095 Physiotherapy Practicum E	8	P PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D C PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio <i>Note: Department permission required for enrolment in the following sessions: S2 Late Int</i>	S1 Late Int S2 Late Int
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Select three from the following four units of study:			
PHTY4097 Physiotherapy in the Workplace	4	P PHTY4092 Musculoskeletal Physiotherapy E C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4098 Physiotherapy in Recreation	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4099 Physiotherapy in the Community	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
PHTY4100 Physiotherapy for Older People	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
and			
PHTY4101 Honours Research Dissertation	8		Semester 2
PHTY4096 Physiotherapy in Childhood	4	P PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio C PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 5.2: Bachelor of Applied Science (Physiotherapy) Pass

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH137: Pass course; full-time, 4 years			
Year 1			
Semester 1			
BIOS1168 Functional Musculoskeletal Anatomy A	6	N BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy	Semester 1 Semester 2
BIOS1170 Body Systems: Structure and Function	6	A BIOS1167 Human Cell Biology or any Junior Biology unit of study N BIOS1127, BIOS1133, BIOS2098, BIOS2099	Semester 1 Semester 2
EXSS1018 Biomechanics of Human Movement	6	A HSC mathematics	Semester 1
HSBH1003 Health, Behaviour and Society	6	N BACH1130, BACH1132, BACH1133, BACH1134, BACH1161	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1169 Functional Musculoskeletal Anatomy B	6	P BIOS1136 Functional Anatomy A or BIOS1168 Functional Musculoskeletal Anatomy A or BIOS1159 Functional Anatomy A - Exercise Science N BIOS1139, BIOS1144, BIOS1160	Semester 1 Semester 2
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
EXSS1029 Muscle Mechanics and Training	6	A One of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A	Semester 1 Semester 2
HSBH1007 Health Science and Research	6		Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
EXSS2025 Motor Control and Learning	6	A BIOS1171 Neuroscience	Semester 1 Semester 2
EXSS2027 Exercise Physiology for Clinicians	6	A EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1 or BIOS1170 Body Systems: Structure and Function	Semester 1
PHTY2052 Clinical Observation and Measurement	6	P BIOS1168 Functional Musculoskeletal Anatomy A, BIOS1169 Functional Musculoskeletal Anatomy B, EXSS1018 Biomechanics of Human Movement C PHTY2053 Physiotherapy Evidence & Practice	Semester 1
PHTY2053 Physiotherapy Evidence and Practice	6	P HSBH1003 Health, Behaviour and Society, HSBH1007 Health Science and Research C PHTY2052 Clinical Observation and Measurement	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY2054 Musculoskeletal Physiotherapy A	6	P BIOS1168 Functional Musculoskeletal Anatomy A, BIOS1169 Functional Musculoskeletal Anatomy B, EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice C PHTY2055 Musculoskeletal Physiotherapy B	Semester 2
PHTY2055 Musculoskeletal Physiotherapy B	6	P BIOS1168 Functional Musculoskeletal Anatomy A, BIOS1169 Functional Musculoskeletal Anatomy B, EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice C PHTY2054 Musculoskeletal Physiotherapy A	Semester 2
PHTY2056 Neurological Physiotherapy A	6	P BIOS1171 Neuroscience, EXSS2025 Motor Control and Learning C EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice	Semester 2
PHTY2057 Cardiopulmonary Physiotherapy A	6	P BIOS1170 Body Systems: Structure and Function, EXSS2027 Exercise Physiology for Clinicians C EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
PHTY3068 Musculoskeletal Physiotherapy C	6	P PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B C PHTY3069 Musculoskeletal Physiotherapy D	Semester 1
PHTY3069 Musculoskeletal Physiotherapy D	6	P PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B C PHTY3068 Musculoskeletal Physiotherapy C	Semester 1
PHTY3070 Musculoskeletal Physiotherapy E	6	P PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B C PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069 Musculoskeletal Physiotherapy D	Semester 1
PHTY3071 Neurological & Cardiopulmonary Physio A	6	P PHTY2057 Cardiopulmonary Physiotherapy A, PHTY2056 Neurological Physiotherapy A	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
PHTY3072 Physiotherapy Practicum A	6	P PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice, PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B, PHTY2056 Neurological Physiotherapy A, PHTY2057 Cardiopulmonary Physiotherapy A, PHTY3071 Neurological & Cardiopulmonary Physio A, PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069 Musculoskeletal Physiotherapy D <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Department permission required for enrolment in the following sessions: Semester 1.</i>	S2 Late Int Semester 1
PHTY3073 Physiotherapy Practicum B	6	P PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice, PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B, PHTY2056 Neurological Physiotherapy A, PHTY2057 Cardiopulmonary Physiotherapy A, PHTY3071 Neurological & Cardiopulmonary Physio A, PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069 Musculoskeletal Physiotherapy D <i>Note: Department permission required for enrolment in the following sessions: S1 Intensive Department permission required for enrolment in the following sessions: S1 Late Int.</i>	S1 Intensive S2 Late Int
PHTY3074 Physiotherapy Practicum C	6	P PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice, PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B, PHTY2056 Neurological Physiotherapy A, PHTY2057 Cardiopulmonary Physiotherapy A, PHTY3071 Neurological & Cardiopulmonary Physio A, PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069 Musculoskeletal Physiotherapy D <i>Note: Department permission required for enrolment in the following sessions: S1 Late Int Department permission required for enrolment in the following sessions: S1 Late Int.</i>	S1 Late Int S2 Late Int
PHTY3075 Interprofessional & Reflective Practice	6	C PHTY 3072 Physiotherapy Practicum A: PHTY3073 Physiotherapy Practicum B: PHTY 3074 Physiotherapy Practicum C	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2012)			
Semester 1			
Musculoskeletal Physiotherapy F [6]			
Neurological & Cardiopulmonary Physio B [6]			
Physiotherapy Practicum D [6]			
Physiotherapy Practicum E [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Physiotherapy in Childhood [6]			
Physiotherapy Preventative Health Care A [6]			
Physiotherapy Preventative Health Care B [6]			
Physiotherapy Management in Injury and Disease [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 5.2.1: Bachelor of Applied Science (Physiotherapy) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Honours course; full-time, 4 years			
Year 1 to Year 3			
As per SH137 Pass course			
Year 4 (first offered in 2012)			
Semester 1			
As per SH137 Pass course			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Honours Dissertation [12]			
Physiotherapy in Childhood [6]			
Physiotherapy Management in Injury and Disease [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

6. Speech Pathology

Courses of study

The faculty offers a range of coursework and research degrees at undergraduate and graduate levels in the discipline of Speech Pathology.

Professional preparation degrees in speech pathology

Students who want to gain a speech pathology professional qualification you can study at either the bachelor or master's:

- The Bachelor of Applied Science (Speech Pathology) pass and honours degrees require four years of full-time study and will qualify you to practise as a speech pathologist.
- The Master of Speech Language Pathology is a two year full-time or four year part-time postgraduate degree which also qualifies you to practise as a speech pathologist.

Related undergraduate study

Students wishing to study topics in communication can enrol in the Bachelor of Health Science with a Hearing and Speech second major. (See Chapter 1 for further information.) This degree does not qualify you to practise as a speech pathologist but provides you with a good background for postgraduate study. The Bachelor of Health Science is available as a pass degree (three years) and an honours degree (four years). Some individual undergraduate units of study are available as faculty electives.

Postgraduate degrees in speech pathology

Graduates who wish to become accredited speech language pathologists should undertake the Master of Speech Language Pathology (MSLP). This degree can be studied over two years full time or four years part time.

(No new places are being offered in the Graduate Diploma of Communication Disorders. Students currently enrolled in the MSLP who would like to graduate after Year 1 will be able to do so with the award of the Graduate Diploma of Communication Disorders. It does not qualify graduates to work as speech pathologists.)

For further information on postgraduate coursework degrees, see Chapter 18 of this Handbook.

Research degrees in speech pathology

Students wishing to undertake research in the discipline of speech pathology and related areas of speech sciences have a range of options.

A postgraduate research master's degree, the Master of Applied Science and a PhD degree are available for graduates of varied backgrounds who wish to undertake research in an area of communication sciences and/or disorders. Research areas include aphasia, dysarthria, language development/disorders, craniofacial anomalies, developmental and acquired speech disorders and normal speech function, voice and stuttering.

For further information on the research degrees, see Chapter 19.

Professional information

The Faculty of Health Sciences oversees two of the oldest and largest programs of speech pathology professional preparation in Australia. Speech pathology involves the study and treatment of communication disorders in both children and adults. Speech pathologists work in diverse settings (hospitals, private practice, schools and early childhood services) to assess and treat individuals who may present with a wide variety of communication disorders.

The Bachelor of Applied Science (Speech Pathology) prepares students to practise as speech pathologists (formerly known as speech therapists). The degree is accredited by Speech Pathology Australia. Reference to specific professional competencies is made in each unit of study outline.

The Bachelor of Health Sciences with a Hearing and Speech second major shares some common units of study with Years 1 and 2 of the Bachelor of Applied Science (Speech Pathology) course. The Hearing and Speech major does not qualify graduates to practise speech pathology but prepares them to pursue a variety of other career paths in areas involving either normal or impaired human communication. The Hearing and Speech major provides an excellent background for those who wish to pursue further education required for professional preparation in areas such as medicine, dentistry, education, rehabilitation counselling, speech pathology and audiology. The highest-performing students in the Bachelor of Health Sciences Hearing and Speech second major will be guaranteed a place in the Master of Speech Language Pathology (MSLP) postgraduate course.

An honours program is available for the Bachelor of Applied Science (Speech Pathology) and provides opportunities for talented undergraduate students interested in research and/or pursuing graduate studies to obtain early experiences in the design and conduct of research in communication sciences and disorders.

The Master of Speech Language Pathology (MSLP) qualifies students to practise as speech pathologists. The degree is accredited by Speech Pathology Australia. Students must hold a bachelor degree with a grade point average of 4.5 or better to apply for entry into the MSLP. See Chapter 18 for full details.

The Master of Applied Science is a research degree with admission open to individuals with backgrounds in any area related to the human communication sciences and/or communication disorders. This degree is designed to prepare individuals to pursue their career objectives as specialist clinicians, administrators, academics or researchers in the field of communication sciences and disorders. Topics are individualised to meet students' specific career objectives.

At the PhD level, students work in consultation with their research supervisors to develop and conduct a line of research in an area relevant to communication sciences and/or disorders. Admission is available to individuals from a wide range of backgrounds relevant to the human communication sciences and/or communication disorders who have had previous research experience, such as an honours degree, a research master's degree or other equivalent preparation. Because of the expertise of the academics and the extensive facilities of the University, many different areas of research interests of students can be accommodated. Individuals with PhDs find rewarding careers in academic, research and clinical settings.

Facilities and resources

Research and teaching in speech pathology are supported by a large on-campus Communication Disorders Treatment and Research Clinic. The Clinic is a centre of excellence that offers evidence-based practice in a full range of services for adults and children with a communication difficulty, as well as functioning as a teaching and research laboratory. Audiology, speech science and psycholinguistic laboratories are also part of the on-campus clinic, and provide facilities for hearing assessments, the measurement of disordered and normal speech and high-quality speech recordings.



Further information

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future.ask.sydney.edu.au/

Bachelor of Applied Science (Speech Pathology)

The Bachelor of Applied Science (Speech Pathology) is an undergraduate degree that qualifies individuals to practise as speech pathologists.

Full-time and part-time study

The Bachelor of Applied Science (Speech Pathology) is structured as a full-time degree course offered over four years, with expected enrolment in units totalling 24 credit points each semester. However, the faculty recognises that some students cannot attend full-time and wish to complete their degrees in a longer time.

Students requesting to enrol part-time should note that daytime attendance at lectures and clinic placements, as well as clinic block placements, is required for completion of the BAppSc (Speech Pathology).

Students wanting to study part-time must accept a full-time offer and then seek Discipline approval to reduce their load to less than 18 credit points per semester.

Students wanting to study part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
- Minimum time: 6 years from the initial academic year of enrolment.
- Maximum time: 10 years from the initial academic year of enrolment.
- The course is structured as a full-time course. Students must be aware of the possibility of clashes in timetables for units with different first numerals in their codes – e.g. CSCD2XXX and CSCD3XXX.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study.
- Where a unit of study has a corequisite, a student is to enrol in that unit as well as the corequisite in the same semester.
- Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree.
- Part-time students have the responsibility for monitoring changes in curriculum which may affect their progression and for discussing

these with the undergraduate Course Director or the respective year coordinators.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Speech Pathology) course. Speech pathologists work with language and communication so good communication skills and a desire to work with people are very important. Students who have not studied chemistry to an equivalent of NSW Year 10 science are advised to do the chemistry bridging course to prepare them for the biomedical science units of study.

At the end of the Bachelor of Applied Science (Speech Pathology) students are qualified to work in Australia and therefore must have high level spoken English which is intelligible in all Australian health care settings. If you are concerned that you may have difficulty meeting this requirement please contact the Discipline for further advice.

Students with a disability are encouraged to complete this degree. If you have a serious mobility disability or an uncorrected sensory difficulty (vision or hearing) please contact the Discipline for advice on preparation and completion as soon as possible.

Honours

For information specific to the Speech Pathology honours program, students are advised to contact the Honours Coordinator of the Bachelor of Applied Science (Speech Pathology) course.

Students in the honours program complete all Year 1 and Year 2 units of study in the pass program. In Year 3, honours students undertake some of the same units of study in the pass program as well as units that are unique to the honours program. In Year 4, all units the honours students undertake are unique to the honours program.

Course outline

The course outlines for the Bachelor of Applied Science (Speech Pathology) pass and honours are presented in Tables 6.1 and 6.1.1.

Unit of study descriptions and a list of faculty electives are found in Chapter 7.

Table 6.1: Bachelor of Applied Science (Speech Pathology) Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH128: Pass course; full-time, 4 years			
Year 1			
Semester 1			
BIOS1163 Speech Science	6		Semester 1
BIOS1167 Human Cell Biology	6	A Students who have not completed HSC Chemistry (or equivalent) are strongly advised to take the Chemistry Bridging Course - CS208 (in February). N BIOS1126 Human Biology and Biochemistry; BIOS1156 Human Biology and Radiobiology; BIOS1161 Biochemistry and Human Biology; HSBM1001 Biochemistry and Human Biology; and BIOS1130 Molecules and Energy	Semester 1
CSCD1032 Human Communication	6	<i>Speech Pathology students must pass this unit in order to enrol in clinical units in Year 2</i>	Semester 1
CSCD1034 Linguistics, Phonetics and Articulation	6	A Grammar bridging course or equivalent C BIOS1163 Speech Science (or equivalent) <i>Students without a sound knowledge of formal traditional grammar are encouraged to undertake the Grammar bridging course. Speech Pathology students must pass this unit in order to enrol in clinical units in Year 2</i>	Semester 1 Summer Main

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1165 Psychology and Cognitive Factors (Intro)	6		Semester 2
BIOS1165 Hearing Science and Audiology	6	P BIOS1163 Speech Science	Semester 2
BIOS1166 Neuroscience I: Communication Disorders	6	P BIOS1161 Biochemistry and Human Biology or BIOS1167 Human Cell Biology or BIOL1003 Human Biology N BIOS1132, BIOS1141	Semester 2
CSCD1033 Child Phonology	6	A CSCD1032 Human Communication, CSCD1034 Linguistics, Phonetics and Articulation <i>This unit is a prerequisite for the CSCD3082 Phonology, Language and Literacy unit in Year 2 clinical units</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BIOS2062 Neuroscience II: Communication Disorders	6	P BIOS1132 Neuroscience I and BIOS1141 Neuroscience II, or BIOS1166 Neuroscience	Semester 1
CSCD2057 Child Language	6	A CSCD1032 Human Communication, CSCD1033 Child Phonology P CSCD1034 Linguistics, Phonetics and Articulation C CSCD2064 Introductory Practice 1: Clinical or CSCD2065 Introductory Practice 1: Community <i>This unit is a prerequisite for the CSCD3082 Phonology, Language and Literacy unit in Year 3, Semester 2</i>	Semester 1
CSCD2058 Stuttering	6	A CSCD1032 Human Communication <i>This unit is a prerequisite for speech pathology (Intermediate) clinical units in Year 3</i>	Semester 1
and either			
CSCD2064 Introductory Practice 1: Clinical	6	P CSCD1032 Human Communication; CSCD1034 Linguistics, Phonetics and Articulation; CSCD1033 Child Phonology C CSCD2057 Child Language N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) <i>Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Introductory Practice 2 units and Year 3 (Intermediate) speech pathology clinical units</i>	Semester 1
or			
CSCD2065 Introductory Practice 1: Community	6	P CSCD1032 Human Communication; CSCD1034 Linguistics, Phonetics and Articulation; CSCD1033 Child Phonology C CSCD2057 Child Language N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) <i>Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol Introductory Practice 2 units and Year 3 (Intermediate) speech pathology clinical units</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH2142 Cognitive Neuropsychology	6	P BACH1165 Psychology and Cognitive Factors (Intro) or PSYC1001 Psychology 1001	Semester 2
BACH2143 Counselling & Behaviour Management for CD	6		Semester 2
CSCD2062 Motor Speech and Dysphagia	6	A BIOS1163 Speech Science P BIOS2062 Neuroscience II Communication Disorders <i>This unit is a prerequisite for Year 3 clinic units CSCD3078 Intermediate Clinic 1: Adult, CSCD3083 Intermediate Clinic 2: Adult and Community, CSCD3087 Intermediate Clinic 1H: Adult</i>	Semester 2
and either			
CSCD2066 Introductory Practice 2: Clinical	6	P CSCD2065 Introductory Practice 1: Community N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) <i>Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Year 3 (Intermediate) speech pathology clinical units</i>	Semester 2
or			
CSCD2067 Introductory Practice 2: Community	6	P CSCD2064 Introductory Practice 1: Clinical N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) <i>Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Year 3 (Intermediate) speech pathology clinical units</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

6. Speech Pathology

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 3			
Semester 1			
CSCD3074 Specialist Studies	6	P BIOS1165 Hearing Science and Audiology	Semester 1
CSCD3075 Neurogenic Language Disorders 1	6	A BIOS2062 Neuroscience II: Communication Disorders P BIOS1066 Neuroscience I: Communication Disorders C CSCD3077 Intermediate Clinic 1: Child or CSCD3078 Intermediate Clinic 1: Adult or CSCD3087 Intermediate Clinic 1H: Adult <i>This unit is a prerequisite or corequisite for adult clinical placements in Year 3. Students undertaking international studies in this semester must include studies in adult language disorders in their program to meet this requirement for Year 3 clinic</i>	Semester 1
CSCD3076 Lifelong Disability and AAC	6	P CSCD1032 Human Communication	Semester 1
and either			
CSCD3077 Intermediate Clinic 1: Child	6	P Either CSCD2060 and CSCD2061 or CSCD2066 or CSCD2067; CSCD2058 Stuttering, CSCD2062 Motor Speech and Dysphagia C CSCD3075 Neurogenic Language Disorders 1 N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements <i>Note: Department permission required for enrolment in the following sessions: Semester 2 Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory</i>	Semester 1 Semester 2
or			
CSCD3078 Intermediate Clinic 1: Adult	6	P Either CSCD2060 and CSCD2061 or CSCD2066 or CSCD2067; CSCD2058 Stuttering, CSCD2062 Motor Speech and Dysphagia C CSCD3075 Neurogenic Language Disorders 1 N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements <i>Note: Department permission required for enrolment in the following sessions: Semester 2 Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD3082 Phonology, Language and Literacy	6	P CSCD1033 Child Phonology, CSCD2066 Introductory Practice 2: Clinical or CSCD2067 Introductory Practice 2: Community, CSCD2057 Child Language	Semester 2
CSCD3085 Speech Pathology Research Methods	6	A Understanding of descriptive statistics <i>This unit (CSCD3085) is a prerequisite for CSCD4051 Evidence Based Practice for SP</i>	Semester 2
CSCD3086 Voice and Voice Disorders	6	A BIOS1165 Hearing Science and Audiology; CSCD1034 Linguistics, Phonetics and Articulation P BIOS1163 Speech Science <i>This unit is a prerequisite for CSCD4051 Evidence Based Practice for SP</i>	Semester 2
and either			
CSCD3083 Intermediate Clinic 2: Adult & Community	6	P CSCD3075 Neurogenic Language Disorders 1, CSCD3077 Intermediate Clinic 1: Child N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. External placements may be scheduled during the Summer and Winter semesters depending on availability</i>	Semester 1 Semester 2
or			
CSCD3084 Intermediate Clinic 2: Child & Community	6	P CSCD3075 Neurogenic Language Disorders 1, CSCD3078 Intermediate Clinic 1: Adult N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. External placements may be scheduled during the Summer and Winter semesters depending on availability</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4			
Students in Year 4 of the course will be assigned to either Group A or B. Group assignment will be known by the end of Semester 1, Year 3. In Year 4, students in Group A enrol in their on-campus units of study in Semester 1 and off-campus units of study in Semester 2; students in Group B enrol in off-campus units of study in Semester 1 and on-campus units in Semester 2.			
Group A			
Semester 1			
CSCD4051 Evidence Based Practice for SP	6	A Students are assumed to be concurrently enrolled in Year 4 clinical units and should seek advice from the UOS coordinator if this is not the case. P BACH1143 Designing Health Research; CSCD3074 Specialist Studies; CSCD3075 Neurogenic Language Disorders 1; CSCD3076 Lifelong Disability and AAC; CSCD3079 Voice and Voice Disorders 2; CSCD3080 Neurogenic Language Disorders 2; CSCD3081 Clinical Case Management; CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community OR CSCD3084 Intermediate Clinic 2: Child & Community	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CSCD4052 Professional Issues	6	C CSCD4053 Advanced Practice A: Clinical or CSCD4059 Advanced Practice B: Clinical <i>Students must complete year 3 Intermediate Clinic adult neuro-block before enrolling in CSCD4052 Professional Issues. Students must be prepared to travel to external health sites during their projects.</i>	Semester 1 Semester 2
CSCD4053 Advanced Practice A: Clinical	6	P CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4054 Advanced Practice A: Community, CSCD4052 Professional Issues N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements. <i>This unit of study is typically completed with concurrent enrolment in CSCD40XX Advanced Practice A: Community. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from February - November and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.</i>	Semester 1 Semester 2
CSCD4054 Advanced Practice A: Community	6	P CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4053 Advanced Practice A: Clinical N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements. <i>This unit of study is typically completed with concurrent enrolment in CSCD4053 Advanced Practice A: Clinical. Student must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD4055 Advanced Practice A: Paediatric	12	P CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4056 Advanced Practice A: Adult <i>This unit of study is typically completed with concurrent enrolment with CSCD4056 Advanced Practice A: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
CSCD4056 Advanced Practice A: Adult	12	P CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4055 Advanced Practice A: Paediatric <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i> <i>This unit of study is typically completed with concurrent enrolment with CSCD4055 Advanced Practice A: Paediatric. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Group B			
Semester 1			
CSCD4057 Advanced Practice B: Paediatric	12	P CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4058 Advanced Practice B: Adult <i>This unit of study is typically completed with concurrent enrolment with CSCD4058 Advanced Practice B: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1
CSCD4058 Advanced Practice B: Adult	12	P CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4057 Advanced Practice B: Paediatric <i>This unit of study is typically completed with concurrent enrolment with CSCD4057 Advanced Practice B: Paediatric. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January- December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD4051 Evidence Based Practice for SP	6	A Students are assumed to be concurrently enrolled in Year 4 clinical units and should seek advice from the UOS coordinator if this is not the case. P BACH1143 Designing Health Research; CSCD3074 Specialist Studies; CSCD3075 Neurogenic Language Disorders 1; CSCD3076 Lifelong Disability and AAC; CSCD3079 Voice and Voice Disorders 2; CSCD3080 Neurogenic Language Disorders 2; CSCD3081 Clinical Case Management; CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community OR CSCD3084 Intermediate Clinic 2: Child & Community	Semester 1 Semester 2

6. Speech Pathology

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CSCD4052 Professional Issues	6	C CSCD4053 Advanced Practice A: Clinical or CSCD4059 Advanced Practice B: Clinical <i>Students must complete year 3 Intermediate Clinic adult neuro-block before enrolling in CSCD4052 Professional Issues. Students must be prepared to travel to external health sites during their projects.</i>	Semester 1 Semester 2
CSCD4059 Advanced Practice B: Clinical	6	P CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4052 Professional Issues, CSCD4060 Advanced Practice B: Community N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements <i>This unit of study is typically completed with concurrent enrolment with CSCD4060 Advanced Practice B: Community. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from February - November and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.</i>	Semester 2
CSCD4060 Advanced Practice B: Community	6	P CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community C CSCD4059 Advanced Practice B: Clinical N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements <i>This unit of study is typically completed with concurrent enrolment in CSCD4059 Advanced Practice B: Clinical. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
Completion of the requirements of the 4-year Bachelor of Applied Science (Speech Pathology) course meets the eligibility requirements for practising membership status of Speech Pathology Australia.			

Table 6.1.1 Bachelor of Applied Science (Speech Pathology) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH129: Honours program; full-time, 4 years			
Year 1 and Year 2			
As per Pass course			
Year 3			
Semester 1			
CSCD3074 Specialist Studies	6	P BIOS1165 Hearing Science and Audiology	Semester 1
CSCD3075 Neurogenic Language Disorders 1	6	A BIOS2062 Neuroscience II: Communication Disorders P BIOS1066 Neuroscience I: Communication Disorders C CSCD3077 Intermediate Clinic 1: Child or CSCD3078 Intermediate Clinic 1: Adult or CSCD3087 Intermediate Clinic 1H: Adult <i>This unit is a prerequisite or corequisite for adult clinical placements in Year 3. Students undertaking international studies in this semester must include studies in adult language disorders in their program to meet this requirement for Year 3 clinic</i>	Semester 1
CSCD3076 Lifelong Disability and AAC	6	P CSCD1032 Human Communication	Semester 1
CSCD3087 Intermediate Clinic 1H: Adult	6	P CSCD2058 Stuttering, CSCD2062 Motor Speech and Dysphagia, CSCD2066 Introductory Practice 2: Clinical or CSCD2067 Introductory Practice 2: Community C CSCD3075 Neurogenic Language Disorders 1 N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements <i>Note: Department permission required for enrolment in the following sessions: Semester 2 Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must maintain a credit average and must not have a Fail grade in any unit of study to be enrolled in the honours program</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD3082 Phonology, Language and Literacy	6	P CSCD1033 Child Phonology, CSCD2066 Introductory Practice 2: Clinical or CSCD2067 Introductory Practice 2: Community, CSCD2057 Child Language	Semester 2
CSCD3086 Voice and Voice Disorders	6	A BIOS1165 Hearing Science and Audiology; CSCD1034 Linguistics, Phonetics and Articulation P BIOS1163 Speech Science <i>This unit is a prerequisite for CSCD4051 Evidence Based Practice for SP</i>	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CSCD3089 Intermediate Clinic 2H:Child & Community	6	P CSCD3075 Neurogenic Language Disorders 1, CSCD3087 Intermediate Clinic 1H: Adult N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements <i>Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must maintain a credit average and must not have a Fail grade in any unit of study to be enrolled in the honours program</i>	Semester 1 Semester 2
CSCD3092 Speech Pathology Research Methods H	6	A Understanding of descriptive statistics <i>This unit is a prerequisite for CSCD4065 Research Project</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4			
Semester 1			
CSCD4061 Advanced Practice H: Clinical	6	P CSCD3082 Phonology, Language and Literacy; CSCD3089 Intermediate Clinic 2H: Child & Community C CSCD4062 Advanced Practice H: Community N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements <i>This unit of study is typically completed with concurrent enrolment in CSCD4062 Advanced Practice H: Community. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from February - November and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.</i>	Semester 1
CSCD4062 Advanced Practice H: Community	6	P CSCD3082 Phonology, Language and Literacy, CSCD3089 Intermediate Clinic 2H: Child & Community C CSCD4061 Advanced Practice H: Clinical N Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements <i>This unit of study is typically completed with concurrent enrolment in CSCD4061 Advanced Practice H: Clinical. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.</i>	Semester 1
and either			
CSCD4063 Advanced Practice H: Paediatric	12	P CSCD3082 Phonology, Language and Literacy; CSCD3089 Intermediate Clinic 2H: Child & Community <i>Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
or			
CSCD4064 Advanced Practice H: Adult	12	P CSCD3082 Phonology, Language and Literacy, CSCD3089 Intermediate Clinic 2H: Child & Community <i>Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD4065 Research Project	12	P BACH1143 Designing Health Research; CSCD3088 Research Seminar <i>Students must maintain a credit average and must not have a Fail grade in any unit of study to be enrolled in the Honours program.</i>	Semester 2
and either			
CSCD4063 Advanced Practice H: Paediatric	12	P CSCD3082 Phonology, Language and Literacy; CSCD3089 Intermediate Clinic 2H: Child & Community <i>Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
or			
CSCD4064 Advanced Practice H: Adult	12	P CSCD3082 Phonology, Language and Literacy, CSCD3089 Intermediate Clinic 2H: Child & Community <i>Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
Completion of the requirements of the 4-year Bachelor of Applied Science (Speech Pathology) Honours course meets the eligibility requirements for practising membership status of Speech Pathology Australia.			

Clinical Education

Information related to Clinical Education is located at:
http://sydney.edu.au/health_sciences/future_students/undergraduate

7. Undergraduate Units of Study

This section contains a list of the units of study available to undergraduate students as general electives and research electives. It also contains details of all undergraduate units of study available in the Faculty of Health Sciences. It should be noted that:

- Not all units of study are offered each semester.
- The mode of presentation varies between units of study.

- The credit point values of units are not all the same.
- There may be limitations on enrolment in some units of study.

Students who require further information about the content or administration of the units of study and when they are offered should contact the coordinator of the specific unit.

Faculty elective list

The following list shows the units of study available as electives or research electives to undergraduate students throughout the faculty. The mode of presentation varies between academic units. Units are offered subject to sufficient demand and staff availability. See the

pages following for descriptions of the units of study. Students who require further information on the content or administration of electives and when they are offered should contact the coordinator of the specific unit of study.

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Faculty electives			
BACH3127 History & Philosophy of Science	6		Semester 2
BACH3128 Health and Globalisation	6		Semester 2
BACH3146 Cyberpsychology and e-Health	6		Semester 2
BACH3147 Health at Work	6		Semester 2
BIOS1155 Structure, Function and Disease A	6		Semester 1
BIOS1158 Structure, Function and Disease B	6	N HSBM1003 Principles of Human Body Systems B	Semester 2
BIOS1167 Human Cell Biology	6	A Students who have not completed HSC Chemistry (or equivalent) are strongly advised to take the Chemistry Bridging Course - CS208 (in February). N BIOS1126 Human Biology and Biochemistry; BIOS1156 Human Biology and Radiobiology; BIOS1161 Biochemistry and Human Biology; HSBM1001 Biochemistry and Human Biology; and BIOS1130 Molecules and Energy	Semester 1
BIOS1168 Functional Musculoskeletal Anatomy A	6	N BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy	Semester 1 Semester 2
BIOS1169 Functional Musculoskeletal Anatomy B	6	P BIOS1136 Functional Anatomy A or BIOS1168 Functional Musculoskeletal Anatomy A or BIOS1159 Functional Anatomy A - Exercise Science N BIOS1139, BIOS1144, BIOS1160	Semester 1 Semester 2
BIOS1170 Body Systems: Structure and Function	6	A BIOS1167 Human Cell Biology or any Junior Biology unit of study N BIOS1127, BIOS1133, BIOS2098, BIOS2099	Semester 1 Semester 2
BIOS1171 Neuroscience	6	N BIOS1137, BIOS2103	Semester 1 Semester 2
BIOS1172 Biological Aspects of Ageing	6	A Physiology of body systems N BIOS4036	Semester 1
BIOS1173 Disease in Ageing	6	A Physiology of body systems N BIOS4038	Semester 2
BIOS2111 Introductory Toxicology	6	A Any Junior Biology unit of study	Semester 1
BIOS2114 Applications of Biotechniques	6	A 6 credit points of Junior Biology	Semester 1
BIOS2115 Embryology	6	A 6 credit points of Junior Biology	Semester 1
BIOS3063 Project Design and Management	6	Note: Department permission required for enrolment in the following sessions: Semester 1	Semester 1 Semester 2
BIOS3065 Anatomical Analysis of Exercise	6	P one of (BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS1168 Functional Musculoskeletal Anatomy A) and, one of (BIOS1139 Functional Anatomy B, BIOS1144 Functional Anatomy B (Physiotherapy), BIOS1160 Functional Anatomy B - Exercise Science, BIOS1169 Functional Musculoskeletal Anatomy B) Preference will be given to students who have achieved graded passes in prerequisite units of study	Semester 2



7. Undergraduate Units of Study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOS3066 Current Issues in Healthcare	6		Semester 1
BIOS3068 Environmental Toxicology	6	A BIOS2111 Introductory Toxicology, and Basic body systems anatomy and physiology	Semester 2
BIOS4049 Sexuality for Health Professionals	6	<i>This unit of study will be offered as a University wide elective and is only available to students in Year 2 or higher.</i>	Semester 1 Semester 2
CSCD1032 Human Communication	6	<i>Speech Pathology students must pass this unit in order to enrol in clinical units in Year 2</i>	Semester 1
EXSS1032 Fundamentals of Exercise Science	6		Semester 2
EXSS2026 Growth, Development and Ageing	6		Semester 2
HSBH1005 Human Development	6		Semester 2
HSBH2003 Social Context of Dying and Bereavement	6	P Successful completion of all 1st year units in an undergraduate FHS degree.	Semester 1
HSBH3012 FHS Abroad	6	P Successful completion of all 1st year units in an undergraduate FHS degree <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSBH3013 FHS Indigenous Communities	6	P Successful completion of all 1st year units in an undergraduate FHS degree <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSBH3014 Workplace Injury Prevention/Management	6	A functional anatomy	Semester 1
HSBM4001 Sexology/Sexual Hlth: Global Perspective	6	<i>This unit of study will be offered as a University wide elective</i>	Semester 1 Semester 2
REHB3062 Public Offenders: Criminality and Rehab	6	N REHB3051 Rehabilitation of Public Offenders <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
REHB3064 Alcohol and Drug Misuse Rehabilitation	6	N REHB3061 Rehabilitation and Substance Abuse <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
Faculty research electives			
BACH3127 History & Philosophy of Science	6		Semester 2
BACH4055 Intermediate Statistics <i>This unit of study is not available in 2011</i>	6	P Either BACH1143 Designing Health Research and BACH1145 Quantitative Health and Social Research, or BACH2140 Research Methods in Health Sciences or HSBH1007 Health Science and Research, or equivalent <i>Note: Department permission required for enrolment</i>	Semester 1
BACH4057 Survey Research Methods	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
The offering of these electives will depend on availability of staff and student demand.			

Unit of study descriptions

AHCD1006

Study Skills

Credit points: 4 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit introduces students to the skills needed for successful tertiary study, particularly related to health science courses. Topics covered include time management, research skills, exam preparation skills and writing skills.

AHCD1009

Anatomy Support (A)

Credit points: 4 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials consultations **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit commences two weeks prior to the start of the academic year. It begins by introducing students to the principles of studying anatomy and orienting them to the anatomy laboratories. The unit continues to be offered concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD1010

Anatomy Support (B)

Credit points: 2 **Teacher/Coordinator:** Simone Holt **Session:** Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The unit runs concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD1011

Biological Sciences Orientation

Credit points: 2 **Teacher/Coordinator:** Simone Holt **Session:** Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The material covered in this unit depends on the course being undertaken by the student. The pre-course option is offered only in Semester 2 and aims to provide students with an understanding of the fundamental concepts of chemistry and physiology needed for successful participation in the human biology component of their course in the following year.

AHCD1012

Biological Sciences Support (A)

Credit points: 6 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Biological Sciences Support (A) and (B) provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

AHCD1013

Biological Sciences Support (B)

Credit points: 3 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1 **Classes:** 2hrs/week or according to student need **Assessment:** Formative

assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The Biological Sciences Support units provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

AHCD1014

Physics Support

Credit points: 6 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The unit is designed for students enrolled in Medical Radiation Sciences who may not have a strong background in physics. It aims at both preparing students for study in physics-related units, and the opportunity to revise and consolidate concepts covered in the physics component of their course. It also covers the mathematical concepts required.

AHCD1015

Research Methods Support (1)

Credit points: 3 **Teacher/Coordinator:** Simone Holt **Session:** Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit aims to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD1016

Professional Studies Support (1A)

Credit points: 2 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD1017

Professional Studies Support (1B)

Credit points: 4 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD1018

Biomechanics Support (1)

Credit points: 2 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit aims to provide an introduction to the fundamental principles of biomechanics as well as provide students in the first year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD1019

Neurobiology Support

Credit points: 3 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:**

7. Undergraduate Units of Study

Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit aims to introduce students to the fundamental concepts of neurobiology and to provide students with an opportunity to revise and consolidate content covered in the neurobiology component of their course.

AHCD1020

Behavioural Sciences Support (A)

Credit points: 2 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The Behavioural Sciences Support units aim to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD1021

Behavioural Sciences Support (B)

Credit points: 6 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The Behavioural Sciences Support units aim to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD1057

Biological Sciences Support

Credit points: 6 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit is conducted concurrently with Biological Sciences units and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Biological Sciences units.

AHCD2008

Biomechanics Support (2)

Credit points: 2 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit aims to provide students in the second year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD2009

Professional Studies Support (2)

Credit points: 2 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD2011

Research Methods Support (2B)

Credit points: 4 **Teacher/Coordinator:** Simone Holt **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

BACH1161

Introductory Behavioural Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Karen Pepper, Mr Ian Andrews **Session:** Semester 1, Semester 2 **Classes:** 3hrs Lecture /week **Prohibitions:** BACH1132, BACH1134, HSBH1003 **Assessment:** Class exercise (17.5%), 1000 word essay (25%), end semester exam (57.5%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an introduction to areas of psychology and sociology relevant to health and wellbeing. The unit provides the sociological tools (covering both theory and method) that are required to achieve social literacy in the domains of health and wellbeing as well as an introduction to the principles and applications of psychology as they pertain to these areas. The unit aims to develop a sociological imagination, a quality of mind that will be used to prompt students to question commonsense assumptions regarding health and wellbeing, including in specific areas such as exercise and sport. Students will also gain familiarity with the major paradigms and methodological approaches of contemporary psychology and will develop a facility in evaluating the application of psychological theory to specific health issues in their major area of study, such as addiction, stress, nutrition and diet and exercise adherence. Specifically, the sociology component of the unit will examine the origins, nature, and prospects of 'modern' societies; the nature of sociological explanation (the 'sociological imagination'); the social patterns, social processes, and social relationships that underpin inequalities in Australian society, especially as they relate to health and wellbeing; the characteristics, and limitations, of the classical biomedical model; the diagnostic and prescriptive distinctions between biomedicine, individualist health promotion, and social medicine; the wider political and economic context of healthcare, and of community sport and recreational activities. The psychology component of the unit will examine links between mind and body; the principles of learning and behaviour change; the psychological and biological responses to stress and pain; pain management; the psychology of groups, clubs, and other organisations; and selected additional topics as appropriate (for example, communication, exercise and fitness, health promotion, psychological changes across the lifespan).

BACH1165

Psychology and Cognitive Factors (Intro)

Credit points: 6 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** 3hrs Lecture/week, 1 hrs Tutorial/fortnight **Assessment:** 1000 work assignment (Intro. to Psych) (25%), 1000 word group assignment (cognition) (15%), Final Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an introduction to developmental psychology and introduces students to an information processing approach to cognitive functions including attention, learning, memory, knowledge acquisition reasoning and decision making.

BACH2140

Research Methods for Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Karen Pepper, Dr Tatjana Seizova-Cajic **Session:** Semester 1, Semester 2 **Classes:** 2hr lecture/week, 1hr tutorial/fortnight **Assessment:** Research Report (40%), Final Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Health science graduates are expected to be informed consumers of health research with an evidence-based practice perspective. The aim of this unit is to provide a foundation for critical appraisal of the main approaches and techniques used in health research. The unit introduces students to key elements common to research paradigms, such as problem formulation, research ethics, design, measurement, sampling, data collection and data analysis, and describes their application of a range of fundamental research designs. Research designs commonly used in health settings will be the focus of this unit.

Thus, the fundamental principles of experimental and quasi-experimental group and single case research designs, epidemiological research, survey-based approaches, ethnography, phenomenology and grounded theory will be considered, along with methods of data collection including the use of standardised instruments, structured and naturalistic observation and interviewing. The unit will also introduce students to major quantitative and qualitative techniques appropriate for analysing research data.

BACH2142

Cognitive Neuropsychology

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 2 **Classes:** 2hrs Lecture/wk, 1hr tutorial/wk **Prerequisites:** BACH1165 Psychology and Cognitive Factors (Intro) or PSYC1001 Psychology 1001 **Assessment:** Essay Question (10%), Presentation (15%), Essay (25%), Final exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Student acquire knowledge of normal cognition, neuropsychological approach to brain-behaviour relationships and cognitive processes; the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

BACH2143

Counselling & Behaviour Management for CD

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 2 **Classes:** 2hrs Lecture/wk, 1hr tutorial **Assessment:** Class paper (30%), Behaviour Management assignment (30%), Final Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will acquire knowledge of basic and advanced counselling, psychotherapeutic and behaviour management skills as they are used by students and professionals in health sciences working with individuals with communication disorders.

BACH3127

History & Philosophy of Science

Credit points: 6 **Teacher/Coordinator:** Dr Rod Rothwell **Session:** Semester 2 **Classes:** Distance education/WebCT (equivalent to 13 2hr face-to-face lectures) **Assessment:** 2000 word essay (40%), 3000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the nature of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

Textbooks

Chalmers A, What is This Thing Called Science?, University of Queensland Press (1994)
Hung E, The Name of Science: Problems and Perspective, Wadsworth Press (1997)

BACH3128

Health and Globalisation

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** 2hrs lecture/wk **Assessment:** Presentation and groupwork (20%), Literature review (20%), Final Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The focus of the unit of study is to understand the meaning of globalisation and the impact of globalisation on health. The unit examines the changing trade processes and social and cultural shifts and their impact on populations' health. The unit also aims to provide understanding of both direct and indirect impact of globalisation on health. The direct impact of globalisation on health includes shifting disease patterns; shifting behaviour patterns (diet and smoking) and indirect impact includes changes in trade laws affecting workers' health, the existence of internet 'globalisation' on the health and utilisation of health care services.

BACH3146

Cyberpsychology and e-Health

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2 **Classes:** 2hr lecture/wk **Assessment:** 1500 word essay (25%),

2000 word report (35%), MCQ Exan (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Cyberpsychology and e-health aims to educate those seeking careers in allied health on how societal and individual health is both affected and resourced by the internet and other technologies. The course will be based on current research and policy guidelines set by the Australian and American Medical Associations, the American Psychological Association and Australian Psychological Society for the use of information technology in the following areas: informing allied health professionals of online resources for their profession; how types of ICT functions may affect the behaviour of youth and the elderly; ethics and viability of delivering general health and mental health resources online; the evolution of telemedicine and cyber-pharmacology practices; the rise of serious games for health; provision of psychological therapy over the internet; general health and mental health research and testing online; quality control and assessment of general and specific online health resources; and future directions of information technology and its application to health.

Textbooks

Norman, K.L. (2008). Cyberpsychology: An Introduction to Human-Computer Interaction. New York: Cambridge University Press.

BACH3147

Health at Work

Credit points: 6 **Teacher/Coordinator:** Professor Philip Bohle **Session:** Semester 2 **Classes:** Two 1-hour lectures per week and one 1-hour tutorial per week **Assessment:** One 2500 word essay (50%), one 1-hour exam (40%) and tutorial participation (10%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides a critical introduction to health at work in the Australian and international context. It examines the nature, prevalence, origins, and management of disease and injury in the workplace. Topics covered include the nature and distribution of occupational injury, ill health and disease in Australia; theories of occupational injury and disease causation; and the roles of professionals, management and workers in prevention and management.

Textbooks

Quinlan, M., Bohle, P. & Lamm, F. (2010). Managing occupational health and safety: A multidisciplinary approach (3rd Edition). South Yarra: Palgrave Macmillan

BACH4057

Survey Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** 3hr lecture/week **Assessment:** Three written assignments, due Wks 4, 8, 14 (3x33.3%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and key punching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

BCHM2072

Human Biochemistry

Credit points: 6 **Teacher/Coordinator:** A/Prof Gareth Denyer **Session:** Semester 2 **Classes:** Two lectures per week, one tutorial per fortnight, and one 4-hour practical per fortnight **Prerequisites:** Either MBLG (1001 or 1901) and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971 **Prohibitions:** BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112 **Assessment:** One 3-hour exam, practical reports, in semester assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate

are described in the second half of the unit of study. At every stage there is emphasis on the 'whole body' consequences of reactions, pathways and processes. Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilisation and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also discusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients. Signal Transduction covers how communication across membranes occurs (i.e. via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting. The practical component complements the lectures by exposing students to experiments which investigate the measurement of glucose utilisation using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills are nurtured by frequent use of computers and problem solving activities. However student exposure to generic skills will be extended by the introduction of exercises designed to teach oral communication, instruction writing and feedback articulation skills.

BCHM3072

Human Molecular Cell Biology

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Iain Campbell **Session:** Semester 2 **Classes:** Two 1-hour lectures per week and one 6-hour practical per fortnight. **Prerequisites:** (MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) **Prohibitions:** BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 **Assessment:** One 2.5-hour exam, practical work (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study

This unit of study will explore the responses of cells to changes in their environment in both health and disease. The lecture course consists of four integrated modules. The first will provide an overview of the role of signalling mechanisms in the control of human cell biology and then focus on cell surface receptors and the downstream signal transduction events that they initiate. The second will examine how cells detect and respond to pathogenic molecular patterns displayed by infectious agents and injured cells by discussing the roles of relevant cell surface receptors, cytokines and signal transduction pathways. The third and fourth will focus on the life, death and differentiation of human cells in response to intra-cellular and extra-cellular signals by discussing the eukaryotic cell cycle under normal and pathological circumstances and programmed cell death in response to abnormal extra-cellular and intra-cellular signals. In all modules emphasis will be placed on the molecular processes involved in human cell biology, how modern molecular and cell biology methods have led to our current understanding of them and the implications of them for pathologies such as cancer. The practical component is designed to complement the lecture course, providing students with experience in a wide range of techniques used in modern molecular cell biology.

Textbooks

Alberts, B. et al. Molecular Biology of the Cell. 5th edition. Garland Science. 2008.

BCHM3082

Medical and Metabolic Biochemistry

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, A/Prof Gareth Deyner **Session:** Semester 2 **Classes:** Two 1-hour lectures per week and one 6-hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904 **Assessment:** One 2.5-hour exam, practical work (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study

This unit of study will explore the biochemical processes involved in the operation of cells and how they are integrated in tissues and in the whole human body in normal and diseased states. These concepts will be illustrated by considering whole-body aspects of energy utilisation, fat and glycogen storage and their regulation under normal conditions compared to obesity and diabetes. Key concepts that will be discussed include energy balance, regulation of metabolic rate, control of food intake, tissue interactions in fuel selection, the role of adipose tissue and transport of fuel molecules from storage organs and into cells. Particular emphasis will be placed on how the modern concepts of metabolomics, coupled with molecular biology methods and studies of the structure and function of enzymes, have led to our current understanding of how metabolic processes are normally integrated and how they become deranged in disease states. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in modern medical and metabolic biochemistry.

Textbooks

Nelson, D L & Cox, M M. Lehninger Principles of Biochemistry. 5th edition. Freeman. 2008.

BHSC3014

Honours Research Proposal

Credit points: 6 **Teacher/Coordinator:** Dr Nikki Wedgwood **Session:** Semester 2 **Classes:** No classes: individual meetings with research project supervisor **Assessment:** 3000 words (80%), seminar (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is designed to assist honours student with the development of their individual research project for completion in Year 4. At the completion of this unit of study the student will have prepared a written proposal for a research project and a student grant application and ethics application, if appropriate. The development of the proposal and applications are undertaken in collaboration with an academic supervisor. This unit is compulsory for students who have been accepted into the honours program.

BHSC4001

Honours Research Seminar 1

Credit points: 3 **Teacher/Coordinator:** Dr Nikki Wedgwood **Session:** Semester 1 **Classes:** Meetings with supervisor when required **Prerequisites:** BHSC3014 Honours Research Proposal **Assessment:** Continuous assessment, oral and thesis examination (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a research project in an area of specialised interest. Students will prepare and deliver a seminar on the progress of their research project to date, including a description of the research question, the process of investigation and a literature review.

BHSC4002

Honours Research Seminar 2

Credit points: 3 **Teacher/Coordinator:** Dr Nikki Wedgwood **Session:** Semester 2 **Classes:** Meetings with supervisor when required **Prerequisites:** BHSC3014 Honours Research Proposal **Assessment:** Continuous assessment, oral and thesis examination (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a research project in an area of specialised interest. Students prepare and deliver a seminar on the progress of their research project to date with a focus on their findings and the implications of the findings.

BHSC4003

Honours Thesis/Research Report A

Credit points: 21 **Teacher/Coordinator:** Dr Nikki Wedgwood **Session:** Semester 1 **Classes:** Meetings with supervisor when required **Corequisites:** BHSC4001 Honours Research Seminar 1 **Assessment:** Continuous assessment, oral and thesis examination (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit the student undertakes a research project in an approved topic area. The student implements, under the supervision of an academic staff member, the project designed in BHSC3003 Honours Research Proposal and submits either a thesis or a research report in a form suitable for submission to a refereed journal for publication. The choice of thesis or research report will be made in consultation with the student's academic supervisor.

BHSC4004

Honours Thesis/Research Report B

Credit points: 21 **Teacher/Coordinator:** Dr Nikki Wedgewood **Session:** Semester 2 **Classes:** Meetings with supervisor when required **Corequisites:** BHSC4002 Honours Research Seminar 2 **Assessment:** Continuous assessment, oral and thesis examination (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students will complete their research project and submit either a thesis or research report in a form suitable for submission to a refereed journal for publication.

BIOL1003

Human Biology

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** 2x1 hr lectures/week (3 lectures in some weeks), 1x3 hr practical class/fortnight, 1x1-2hr workshop/fortnight, 6-9 hrs HBOonline work/fortnight covering online practical activities, prework and homework. **Prohibitions:** BIOL1903 **Assumed knowledge:** HSC 2-unit Biology. Semester 1 students who have not completed HSC biology (or equivalent) are strongly advised to take the Biology Bridging Course (in February). **Assessment:** 1x2 hr exam, assignments and quizzes (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.

This Unit of Study has four main components: lectures, practicals, workshops and HBOonline activities. The unit of study provides an introduction to human evolution and ecology, cell biology, physiology and anatomy, through lectures and practical work. The unit of study includes human nutrition, distribution of essential requirements to and from cells, control of body functions and defence mechanisms. After discussion of reproduction and development, it concludes with modern studies and research prospects in biotechnology and human genetics.

This unit of study, together with BIOL (1001 or 1911 or 1002 or 1902), or MBLG (1001 or 1901), provides entry to Intermediate units of study in Biology, but the contents of BIOL (1002 or 1902) is assumed knowledge for BIOL (2011 or 2012) and PLNT 2003, and students entering these units with BIOL (1003 or 1903) will need to do some preparatory reading.

Textbooks

Seeley, RR et al. 2007. Essentials of Anatomy and Physiology. 7th ed. McGraw Hill.

Mader, Sylvia. Human Biology. 8th ed. McGraw Hill, (Chapters 19, 24, 26)

BIOS1155

Structure, Function and Disease A

Credit points: 6 **Teacher/Coordinator:** Dr Ann Murphy **Session:** Semester 1 **Classes:** Four 1hr lectures, one 2hr practical/week **Assessment:** 1hr mid semester assessment MCQ exam (40%), end semester MCQ exams (60%). Formative assessment provided **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the study of anatomy, physiology and pathophysiology. A detailed study of the normal function of the musculoskeletal, cardiovascular and respiratory systems is undertaken. This leads to a focus on the important diseases related to these systems and their effects on the body. The basic concepts of pharmacology will also be introduced to enable students to understand the action of drugs on each of the body systems as they are covered in this unit and in BIOS1158 Structure, Function and Disease B. Students are expected to complete self-directed learning packages prior to some practical sessions. Material will be presented in lectures and practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS1158

Structure, Function and Disease B

Credit points: 6 **Teacher/Coordinator:** Dr Elizabeth Hegedus **Session:** Semester 2 **Classes:** Four 1hr lectures, one 2hr practical/week **Prohibitions:** HSBM1003 Principles of Human Body Systems B **Assessment:** mid-semester MCQ exam(30%), end semester MCQ exam (70%) Formative assessment provided **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines the essential principles of infection control in health care practice and the immune system, highlighting its role in disease prevention and response to trauma and neoplasia. The part played by the immune system in producing disease is also covered. The normal structure and function of the digestive, urinary, reproductive, endocrine and nervous systems is described along with the pathophysiology of diseases associated with these systems. Specific diseases are studied because they are common and thus frequently encountered in practice, or because they provide significant insight into the reaction pattern of an injured organ. The bases for the management of these diseases will be examined. Material will be presented in lectures, tutorials and practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

Damjanov I, Pathology for the Health Professions (3rd ed), Elsevier (2006)
Martini F and Nath JL, Fundamentals of Anatomy and Physiology (8th ed), Benjamin Cummings Publishing (2009)

BIOS1163

Speech Science

Credit points: 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 1 **Classes:** Four 1hr lectures/week, eleven 2hr practicals/semester **Assessment:** 1hr mid semester exam (30%), 2hr end semester exams (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to provide an understanding of the anatomy, physiology and physics of speech. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

Textbooks

Seikel JA, Anatomy & Physiology for Speech, Language & Hearing (3rd ed)

BIOS1165

Hearing Science and Audiology

Credit points: 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 2 **Classes:** Five 1hr lectures/week, four 2hr practicals/semester **Prerequisites:** BIOS1163 Speech Science **Assessment:** mid semester exam (15%), end-semester exam (65%), assignment (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide an understanding of the physics, anatomy and physiology of the hearing mechanism. Students will also learn about pathologies of the ear, nose and throat and development of the human embryo. The unit also includes an introduction to deafness, basic audiological tests and evaluation of hearing.

Textbooks

Seikel JA, Anatomy & Physiology for Speech, Language & Hearing (3rd ed)

BIOS1166

Neuroscience I: Communication Disorders

Credit points: 6 **Teacher/Coordinator:** Dr Damian Holsinger **Session:** Semester 2 **Classes:** 5hrs lectures, 2hr practicals, tutorials/week **Prerequisites:** BIOS1161 Biochemistry and Human Biology or BIOS1167 Human Cell Biology or BIOL1003 Human Biology **Prohibitions:** BIOS1132, BIOS1141 **Assessment:** exam week 5/6 (20%), exam week 9 (30%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study includes fundamental concepts of nervous system functioning and muscle tissue. Anatomy of the brain and spinal cord is studied using models and human cadavers. Basic mechanisms of spinal reflexes and the function of the somatosensory sensory comprise the physiological component of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Cases studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for students doing professional preparation

degrees. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

Textbooks

Crossman A and Neary D, Neuroanatomy: An Illustrated Colour Text (4th ed), Churchill Livingstone
Martini F and Nath JL, Fundamentals of Anatomy and Physiology (8th ed), Benjamin Cummings Publishing (2008)

BIOS1167

Human Cell Biology

Credit points: 6 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 1 **Classes:** 4hrs lectures/week **Prohibitions:** BIOS1126 Human Biology and Biochemistry; BIOS1156 Human Biology and Radiobiology; BIOS1161 Biochemistry and Human Biology; HSBM1001 Biochemistry and Human Biology; and BIOS1130 Molecules and Energy **Assumed knowledge:** Students who have not completed HSC Chemistry (or equivalent) are strongly advised to take the Chemistry Bridging Course - CS208 (in February). **Assessment:** Worksheets, mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces students to the biological and biochemical processes that are fundamental to life. The material covered in this unit forms the basis of subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease and the scientific basis for many of the professional practices they will undertake in their careers. The following topics are studied: structure and function of cells, homeostasis, basic chemical processes of life, biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including cell division, basic genetics, protein synthesis and genetic diseases). The relevance of these fundamental principles to practices of health care is examined.

BIOS1168

Functional Musculoskeletal Anatomy A

Credit points: 6 **Teacher/Coordinator:** Dr Darren Reed, Ms Jan Douglas-Morris **Session:** Semester 1, Semester 2 **Classes:** 3hr lectures, 2hr tutorial/week **Prohibitions:** BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A - Exercise Science, BIOS5090 Clinically Oriented Musculoskeletal Anatomy, BIOS5090 Clinically Oriented Musculoskeletal Anatomy **Assessment:** Mid semester practical exam (30%), end semester practical exam (30%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the basic concepts in musculoskeletal anatomy prior to a more detailed study of the gross anatomical structure of the upper limb as it relates to functional activities. Students will also study the histological structure of musculoskeletal tissues and surface anatomy of the upper limb. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS1169

Functional Musculoskeletal Anatomy B

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Willis, Ms Jan Douglas-Morris **Session:** Semester 1, Semester 2 **Classes:** 3hr lectures, 2hr tutorial/week **Prerequisites:** BIOS1136 Functional Anatomy A or BIOS1168 Functional Musculoskeletal Anatomy A or BIOS1159 Functional Anatomy A - Exercise Science **Prohibitions:** BIOS1139, BIOS1144, BIOS1160 **Assessment:** Mid semester exam (30%), end semester practical exam (30%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines the detailed gross anatomical structure and surface anatomy of the lower limb, trunk and head and neck. Included are the anatomical analyses of functional activities which involve the lower limb, back and neck. Students will also look at the anatomical basis of chewing, swallowing and communication. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS1170

Body Systems: Structure and Function

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Willis, Dr Jaimie Polson **Session:** Semester 1, Semester 2 **Classes:** Three 1hr lectures, one 2hr practical/week **Prohibitions:** BIOS1127, BIOS1133, BIOS2098, BIOS2099 **Assumed knowledge:** BIOS1167 Human Cell Biology or any Junior Biology unit of study **Assessment:** Eight formative assessments, mid semester exam (30%), end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will present the gross anatomy, functional histology, physiology and pathophysiology of the cardiovascular, respiratory and renal systems. Specific diseases of these systems that are commonly encountered in health care practice will be described. The unit will also cover the characteristics of the body's fluids and the concept of acid-base balance within the body. This unit includes laboratory classes at which human cadaveric material is studied; attendance at such classes is strongly encouraged.

Textbooks

Martini F and Nath JL, Fundamentals of Anatomy and Physiology (8th ed), Benjamin Cummings Publishing (2008)

BIOS1171

Neuroscience

Credit points: 6 **Teacher/Coordinator:** Dr Jin Huang, Dr Alan Freeman **Session:** Semester 1, Semester 2 **Classes:** Three 1hr lectures, 2hrs practical/week, with a small online component **Prohibitions:** BIOS1137, BIOS2103 **Assessment:** mid semester exam (40%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study includes fundamental concepts of nervous system organization and function. Anatomy of the brain and spinal cord is studied using models to understand the cortical and subcortical pathways as well as integrating centres that control movement and posture. The physiology component introduces students to mechanisms of signal generation and transmission, basic mechanisms of spinal reflexes, the function of the somatosensory and autonomic nervous system and motor pathways. Case studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for students following professional preparation degrees.

Textbooks

Lundy-Ekman L. Neuroscience: Fundamentals for Rehabilitation. Saunders (2007); Crossman A and Neary D, Neuroanatomy: An Illustrated Colour Text (2nd ed), Churchill Livingstone (2005)

BIOS1172

Biological Aspects of Ageing

Credit points: 6 **Teacher/Coordinator:** Dr Peter Knight **Session:** Semester 1 **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required **Prohibitions:** BIOS4036 **Assumed knowledge:** Physiology of body systems **Assessment:** 2hr exam (50%), 1500 word assignment(50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study examines the physiological changes associated with the normal processes of ageing and the decrease in functional capacity which occurs as a result. It will include a physiological explanation of ageing in relation to the cardiovascular, respiratory, immune, nervous, musculoskeletal, renal and endocrine systems and the skin. An understanding of the normal processes of ageing will help health professionals to interpret the ageing experience from the point of view of the client, understand the functional limitations which result from ageing, and differentiate 'normal' from 'abnormal' ageing.

BIOS1173

Disease in Ageing

Credit points: 6 **Teacher/Coordinator:** Dr Peter Knight **Session:** Semester 2 **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required **Prohibitions:** BIOS4038 **Assumed knowledge:** Physiology of body systems **Assessment:** 2hr exam (50%), 1500 word assignment (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study examines the disease processes and other physical health issues, which are important as people age. Students will study the factors which are responsible for the increased incidence of

disease in the aged, the role of environmental factors in the development of disease, the relationships between disease and functional limitation, and the measures which can be taken to minimise the development and biological impact of disease. Students will also examine the relationships between the biomedical effects of ageing and sexuality. There will be in-depth consideration of one common disease of the aged, and its management in terms of prevention, treatment and residual disability.

BIOS2062

Neuroscience II: Communication Disorders

Credit points: 6 **Teacher/Coordinator:** Dr Roslyn Bohringer **Session:** Semester 1 **Classes:** 4hrs/week **Prerequisites:** BIOS1132 Neuroscience I and BIOS1141 Neuroscience II, or BIOS1166 Neuroscience **Assessment:** Two exams during semester (2x20%), final exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study considers the development and anatomy of the brainstem and cranial nerves. The anatomy and physiology of special sensory systems and the control and integration of somatic motor activity with special reference to communication are explored comprehensively. Higher functions of the nervous system and adaptive properties including plasticity and recovery of the nervous system after injury are also examined. Considerable emphasis is placed on the anatomical and physiological basis of neurological problems relating to communication disorders throughout the unit of study. This unit of study includes laboratory classes where tissues from human cadavers are examined in detail; attendance at such classes is required for the unit of study.

BIOS2111

Introductory Toxicology

Credit points: 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 1 **Classes:** 2hrs/week **Assumed knowledge:** Any Junior Biology unit of study **Assessment:** Assignment (50%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will introduce students to the general principles of toxicology. Topics will include a study of chemical principles related to toxicology, dose-response, absorption, metabolism and elimination of environmental and industrial chemicals. The student will be introduced to the principles of hazard identification and risk assessment. An underpinning of basic chemical principles will be included.

Textbooks

Klaassen C and Watkins JB, Casarett and Doull's Essentials of Toxicology, McGraw Hill (2003)

BIOS2114

Applications of Biotechniques

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Willis, Dr Elizabeth Hegedus or Dr Diana Oakes **Session:** Semester 1 **Classes:** 6 x 2hr lectures, 6 x 2hr Practical classes **Assumed knowledge:** 6 credit points of Junior Biology **Assessment:** Pre-practical quizzes (15%), Laboratory reports (30%), 2 hour end-semester exam (55%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to develop an understanding of the techniques used in, and the application of biotechnology, with a major emphasis on its relevance to human health. Students will have the opportunity to develop practical experience in relevant laboratory and clinical techniques. Techniques will be drawn from a variety of fields including Microbiology, Immunology and DNA technology.

Textbooks

Lee G and Bishop P (2010) Microbiology and Infection Control for Health Professionals. 4th edition. Pearson

BIOS2115

Embryology

Credit points: 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 1 **Classes:** 3x 2hr lectures, 3x 2hr tutorials **Assumed knowledge:** 6 credit points of Junior Biology **Assessment:** 1hr mid semester exam (25%), 1hr end semester exam (25%), Project (35%), pre-tutorial quizzes (15%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to develop an understanding of the embryological processes occurring in to form the human body from fertilisation to birth. Topics also to be discussed are: infertility, abnormal development, artificial reproductive technologies and fetal surgery.

Textbooks

Larsen WJ, Essentials of Human Embryology

BIOS3063

Project Design and Management

Credit points: 6 **Teacher/Coordinator:** Dr Peter Knight **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture, 2hrs tutorial/week **Assessment:** Workbook (60%) & 1hr MCQ exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit of study examines the principles and factors involved in the design and management of services, programs, and projects. Students will develop skills in planning, developing, implementing and evaluating projects as well as be given an introduction to financial management.

BIOS3065

Anatomical Analysis of Exercise

Credit points: 6 **Teacher/Coordinator:** Associate Professor Karen Ginn **Session:** Semester 2 **Classes:** 2hr lecture, 2hr practical, tutorial/week **Prerequisites:** one of (BIOS1136 Functional Anatomy A, BIOS1159 Functional Anatomy A- Exercise Science, BIOS1168 Functional Musculoskeletal Anatomy A) and, one of (BIOS1139 Functional Anatomy B, BIOS1144 Functional Anatomy B (Physiotherapy), BIOS1160 Functional Anatomy B- Exercise Science, BIOS1169 Functional Musculoskeletal Anatomy B) **Assessment:** Summative assessment: mid-semester written exam (30%), practical exam (15%), end-semester written exam (40%), practical exam (15%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Preference will be given to students who have achieved graded passes in prerequisite units of study

This unit of study will extend the student's knowledge of functional musculoskeletal anatomy by applying functional anatomy principles to the analysis of exercises. Relevant research and advanced knowledge of functional musculoskeletal anatomical concepts will be used to explore exercises designed to: strengthen and lengthen specific muscles; improve muscle coordination; develop dynamic stability; and prevent the development of muscle imbalances that may contribute to musculoskeletal injury. The application of musculoskeletal anatomy principles to increase exercise difficulty and variety will also be explored. This unit will include laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS3066

Current Issues in Healthcare

Credit points: 6 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 1 **Classes:** 3hrs/week **Assessment:** Online assessment (20%), group work activities (40%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to selected developments that are impacting, or are likely to impact, on the practice and management of the health care in Australia. Because health care is driven by a multitude of forces, the scope of the developments studied is broad. Topics to be covered will be drawn from the basic sciences applicable to health care, and health management. Examples of the topics under consideration include complementary and alternative medicine, assisted reproductive technologies, emerging diseases and infections, and psychoneuroimmunology. Material will be presented in lectures, with use of self-directed learning and individual or group projects. The unit integrates units of study completed earlier in the program, thus enabling students to apply their knowledge while developing the skills needed to analyse, understand and anticipate future directions in health care.

BIOS3068

Environmental Toxicology

Credit points: 6 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 2 **Classes:** Three 1hr lectures/week **Assumed knowledge:** BIOS2111 Introductory Toxicology, and Basic body systems anatomy and physiology

Assessment: 2hr end semester exam (60%), case study reports (40%)
Practical field work: Two 2hr practicals/semester **Campus:** Cumberland
Mode of delivery: Normal (lecture/lab/tutorial) Day

The unit examines the chemical principles related to toxicology and the effects of toxic agents on various body systems as well as genetic toxicology and potential sources of injury in the environment, with particular emphasis on the workplace. Job analyses will be used to evaluate environmental exposures. The mode of delivery will include lectures and practical sessions. In addition, the unit will be supported by case studies of toxic exposures in the workplace, learning materials (online worksheets) and assessment tasks that develop relevant generic skills (written communication).

Textbooks

Klaassen C and Watkins JB, Casarett and Doull's Essentials of Toxicology, McGraw Hill (2003)

BIOS4049

Sexuality for Health Professionals

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** 2 x 2 hour lectures in week 2 and week 10; On-line delivery on Blackboard LMS; Optional weekly group work **Assessment:** 2 Group work assignment(40%), individual assignments (40%), online mastery type multiple-choice test (20%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: This unit of study will be offered as a University wide elective and is only available to students in Year 2 or higher.

This unit will examine the bio-psycho-social aspects of sexuality and health care, and assist health professionals to develop services for clients who have sexual or reproductive concerns. This unit of study will enable students to consider the management of sexual health concerns in an interdisciplinary team context. Collaborative learning will be encouraged with face to face and online group discussions.

The unit will provide a learning opportunity for the integration and application of prior learning in the disciplines involved. It will build on an existing knowledge base in the basic sciences and the professional disciplines. In addition, the students will be encouraged to examine their attitudes towards a range of sexual behaviours and develop skills in sexual history taking. Students will explore normal and dysfunctional behaviour and available management options. They will be given the opportunity to explore individual interest areas in depth. Students will critically evaluate the literature in their selected area of interest and explore the relevance to their specific profession as well as discuss possible areas of research.

There will be two required face to face sessions in week 2 and week 10. A specific time will be allocated across all professional timetables for small group discussions.

Enrolment in this unit will be limited to 80 participants.

CHEM1001

Fundamentals of Chemistry 1A

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prohibitions:** CHEM1101, CHEM1901, CHEM1109, CHEM1903 **Assumed knowledge:** There is no assumed knowledge of chemistry for this unit of study, but students who have not undertaken an HSC chemistry course are strongly advised to complete a chemistry bridging course before lectures commence. **Assessment:** Theory examination (60%), laboratory exercises and continuous assessment quizzes (40%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of the unit of study is to provide those students whose chemical background is weak (or non-existent) with a good grounding in fundamental chemical principles together with an overview of the relevance of chemistry. There is no prerequisite or assumed knowledge for entry to this unit of study. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is available from the First Year Chemistry website. <http://sydney.edu.au/science/chemistry/firstyear>

CHEM1002

Fundamentals of Chemistry 1B

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM (1001 or 1101) or equivalent **Prohibitions:** CHEM1102, CHEM1108, CHEM1902, CHEM1904 **Assessment:** Theory examination (70%), laboratory exercises and continuous assessment quizzes (30%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

CHEM1002 builds on CHEM1001 to provide a sound coverage of inorganic and organic chemistry. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is available from the First Year Chemistry website. <http://sydney.edu.au/science/chemistry/firstyear>

CHEM1101

Chemistry 1A

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1001, CHEM1109, CHEM1901, CHEM1903 **Assumed knowledge:** HSC Chemistry and Mathematics **Assessment:** Theory examination (70%), laboratory exercises and continuous assessment quizzes (30%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Chemistry 1A is built on a satisfactory prior knowledge of the HSC Chemistry course. Chemistry 1A covers chemical theory and physical chemistry. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is available from the First Year Chemistry website. <http://sydney.edu.au/science/chemistry/firstyear>

CHEM1102

Chemistry 1B

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** One 3 hour lecture and 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1002, CHEM1108, CHEM1902, CHEM1904 **Assessment:** Theory examination (70%), laboratory exercises and continuous assessment quizzes (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Chemistry 1B is built on a satisfactory prior knowledge of Chemistry 1A and covers inorganic and organic chemistry. Successful completion of Chemistry 1B is an acceptable prerequisite for entry into Intermediate Chemistry units of study. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is available from the First Year Chemistry website. <http://sydney.edu.au/science/chemistry/firstyear>

CSCD1032

Human Communication

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1 **Classes:** One 2-hour lecture per week **Assessment:** Mid Semester Exam (20%), one 800 word Assignment (40%), End Semester Exam (40%), eLearning Participation (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Speech Pathology students must pass this unit in order to enrol in clinical units in Year 2

Participants will acquire knowledge about typical communication development in English across the lifespan and in cultures relevant to the Australian context. Students will begin accumulating and documenting professional development experiences through involvement professional, clinical and community services. Participants will learn about the sequence of normal communication development from prelinguistic communication development through adult language; the significance of context and function in the development of language; the universality of communication development, and the

effect of gender in communication development. This unit of study prepares students to undertake observation of communication and to demonstrate understanding of the theories and facts in the normal acquisition of communication skills and apply this knowledge to people of different ages. Students will learn about professional communication.

Textbooks

Bentzen WR, Seeing young children: a guide to observing and recording behaviour (5th ed), Delmar, Albany
McLaughlin S, Introduction to Language Development, Singular, San Diego
Mohan T et al, Communicating as Professionals, Thomson, Victoria

CSCD1033

Child Phonology

Credit points: 6 **Teacher/Coordinator:** Dr Elise Baker **Session:** Semester 2 **Classes:** One 3-hour lecture per week and one 1-hour tutorial per week **Assumed knowledge:** CSCD1032 Human Communication, CSCD1034 Linguistics, Phonetics and Articulation **Assessment:** Exam (10%), 15 page Assignment (40%), End Semester Exam (50%), CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Speech Pathology students must pass this unit in order to enrol in Year 2 clinical units

Students will acquire knowledge about speech sound disorders and will cover techniques for assessment, analysis and intervention of such disorders through case-based and project based learning activities. Students will learn skills of phonological analysis and will learn to evaluate research evidence for best practice in assessment, diagnosis and intervention of speech sound disorders in children. Students will also learn about best practice for working with families. This unit of study provides students with the theoretical background to begin Speech Pathology clinical practice units and the Hearing and Speech fieldwork unit.

Textbooks

Required:

Bauman-Waengler, J. (2008). Articulatory and Phonological Impairments: A Clinical Focus. (3rd Edition). Boston, MA: Allyn & Bacon

Recommended:

Williams, A. L., McLeod, S. & McCauley, R. J. (Eds.) (2010). Interventions for speech sound disorders in children. Baltimore, MA: Paul H. Brookes Publishing
McLeod, S. (Ed). (2007). The international guide to speech acquisition. Clifton Park, NY: Thomson Delmar Learning

CSCD1034

Linguistics, Phonetics and Articulation

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Arciuli **Session:** Semester 1, Summer Main **Classes:** One 4-hour lecture per week **Corequisites:** BIOS1163 Speech Science (or equivalent) **Assumed knowledge:** Grammar bridging course or equivalent **Assessment:** Transcription Exam 1 (20%) barrier task, Transcription Exam 2 (20%) barrier task, End Semester Exam (55%), Research Participation (5%) **Practical field work:** Students will be expected to participate in practical learning experiences within the speech laboratory **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students without a sound knowledge of formal traditional grammar are encouraged to undertake the Grammar bridging course. Speech Pathology students must pass this unit in order to enrol in clinical units in Year 2

Students will explore the nature of the human communication system: introduction to phonology, orthography, morphology, semantics and grammar/syntax, drawing mainly from psycholinguistic and clinical approaches. Particular emphasis on grammar, phonetics and articulation assessment and intervention. Analysis of language for clinical purposes (especially grammar transcription and phonetic transcription skills). This unit of study prepares students with the necessary background knowledge to undertake phonology, language and clinical units later in the course.

Textbooks

Fromkin V, Rodman R, Hyams N, Collins P & Amberber M, An Introduction to Language (5th ed), Thomson Educational, Victoria (2005) Linda Hand, Grammar Tutorial Exercises (2005) (available at orientation) Phonetics Handbook (available at orientation)

CSCD2057

Child Language

Credit points: 6 **Teacher/Coordinator:** Dr Kimberley Docking **Session:** Semester 1 **Classes:** One 2-hour lecture per week **Prerequisites:** CSCD1034 Linguistics, Phonetics and Articulation **Corequisites:** CSCD2064 Introductory Practice 1: Clinical or CSCD2065 Introductory Practice 1: Community **Assumed**

knowledge: CSCD1032 Human Communication, CSCD1033 Child Phonology **Assessment:** 5-page Assignment (50%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for the CSCD3082 Phonology, Language and Literacy unit in Year 3, Semester 2

This unit introduces students to spoken language impairments from birth to the school-aged child. The nature of child language impairments together with principles and practices for assessment, diagnosis, management planning and treatment are covered for the following paediatric clinical populations: pre-linguistic infants, toddlers, preschoolers and school-aged children.

Textbooks

Paul R, Language Disorders from Infancy through Adolescence (3rd ed), Mosby Elsevier (2007)

CSCD2058

Stuttering

Credit points: 6 **Teacher/Coordinator:** Associate Professor Michelle Lincoln **Session:** Semester 1 **Classes:** One 2-hour lecture per week, one 1-hour lecture per week, one 1-hour tutorial per week **Assumed knowledge:** CSCD1032 Human Communication **Assessment:** Assignment 1 1,000 words (30%), Assignment 2 1,500 words (30%), Prolonged Speech Viva (0%) barrier task, eLearning Participation (0%) barrier task, End Semester Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for speech pathology (Intermediate) clinical units in Year 3

Participants will acquire the knowledge and skills to undertake the clinical management of children and adults who stutter. Participants will learn about clinically relevant theories and research findings pertaining to the management of stuttering, how to select, justify and implement clinical interventions, and demonstrate skills in researching and applying evidence-based practice to stuttering management. Students will acquire skills in identifying and counting stuttering and producing the prolonged speech pattern. This unit of study prepares students to: evaluate research evidence for different assessment and intervention programs in stuttering; consider ethical and service issues related to delivering speech pathology services to culturally diverse populations.

Textbooks

Onslow M, Harrison E & Packman A, The Lidcombe Program of Early Stuttering Intervention: A Clinician's Guide, Pro-Ed, Austin (2003)
Stuttering Counts - Educational CD-ROM. Cost in 2008 = \$22 (student rate). Available from <http://www.latrobe.edu.au/hcs/resources.htm>

CSCD2062

Motor Speech and Dysphagia

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Madill **Session:** Semester 2 **Classes:** Two 2-hour lectures per week **Prerequisites:** BIOS2062 Neuroscience II Communication Disorders **Assumed knowledge:** BIOS1163 Speech Science **Assessment:** Weekly Online Labs (10%), Mid Semester Exam (30%), MBS Exam (10%) barrier task, End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for Year 3 clinic units CSCD3078 Intermediate Clinic 1: Adult, CSCD3083 Intermediate Clinic 2: Adult and Community, CSCD3087 Intermediate Clinic 1H: Adult

Students will acquire the knowledge and skills to conduct clinical assessment and management for clients with speech motor and motor programming disorders such as dysarthria and apraxia, as well as assessment and management of feeding and swallowing impairments in children and adults. Students will learn to describe, evaluate and conduct and justify interventions for these populations. A focus on case-based problem solving will be emphasised to achieve integration of theory and practical skills. This unit of study prepares students to conduct appropriate and evidence-based clinical assessment and management for these populations.

Textbooks

Craty MA & Groher ME, Introduction to Adult Swallowing Disorders, Butterworth Heinemann, St Louis (2003)
CD ROM: The Dynamic Swallow
Duffy JR, Motor Speech Disorders: Substrates, Differential Diagnosis, and Management (2nd ed) Elsevier Mosby (2005)

CSCD2064**Introductory Practice 1: Clinical**

Credit points: 6 **Teacher/Coordinator:** Ms Annie Chan **Session:** Semester 1 **Classes:** One 2-hour lecture per week, Clinical 9.00 a.m. to 5.00 p.m. Tuesday, Thursday, Friday totalling 66 hours required per semester **Prerequisites:** CSCD1032 Human Communication; CSCD1034 Linguistics, Phonetics and Articulation; CSCD1033 Child Phonology **Corequisites:** CSCD2057 Child Language **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Attendance, Clinical Paperwork, Competency Checklists, Online Tasks, Written Assignment (100%) pass/fail barrier tasks, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Introductory Practice 2 units and Year 3 (Intermediate) speech pathology clinical units

Students work with an advanced student and participate in clinical service delivery in the on-campus clinic. Students must demonstrate competence in the context of direct supervision (novice level), in observing, seeking information about, accurately describing and participating in provision of clinical services to their client, seeking information relevant to their professional development and client care and show awareness of their impact on the client. To support clinical learning this unit will consider issues directly related to clinical practice in the areas of professional relationships with families and other professionals, problem solving strategies for identifying and managing ethical issues involved in being a student, working with children and working with families, Indigenous issues in health service delivery, basic report writing and case presentation skills. Students will develop strategies for facilitating client's learning. Students will also have knowledge of the on-campus clinic policies and procedures and government legislation.

Textbooks

Clinic handbook (available from the Discipline) Competency Based Occupational Standards (CBOS)-(revised), Speech Pathology Australia, Melbourne (2001)

CSCD2065**Introductory Practice 1: Community**

Credit points: 6 **Teacher/Coordinator:** Ms Annie Chan **Session:** Semester 1 **Classes:** One 2-hour lecture per week, Clinical 9.00 a.m. to 5.00 p.m. Tuesday, Thursday, Friday totalling 56 hours required per semester **Prerequisites:** CSCD1032 Human Communication; CSCD1034 Linguistics, Phonetics and Articulation; CSCD1033 Child Phonology **Corequisites:** CSCD2057 Child Language **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Attendance, Clinical Paperwork, Behavioural Checklists, Online Tasks, Written Assignment (100%) pass/fail barrier tasks, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol Introductory Practice 2 units and Year 3 (Intermediate) speech pathology clinical units

Students do observations and prescribed activities in a preschool, long day-care centre or kindergarten with children between 1 and 6 years as well as professional interactions with staff. Students will acquire knowledge of the functions and routines in an early educational setting, develop professional communication skills and confidence in working with other professionals, understand how language is used and targeted as a part of the curriculum in preschool settings, develop skills in carrying out language stimulation activities with preschool age children, and relate observations to relevant theory and research. To support your clinical learning this unit will consider issues directly related to clinical practice in the areas of professional relationships with families and other professionals, problem solving strategies for identifying and managing ethical issues involved in being a student, working with children and working with families, Indigenous issues in health service delivery, basic report writing and case presentation skills. Students will develop strategies for facilitating client's learning. Students will have knowledge of the on-campus clinic policies and procedures and government legislation.

Textbooks

Preschool handbook (available from the Discipline) Competency Based Occupational Standards (CBOS)-revised, Speech Pathology Australia, Melbourne (2001)

CSCD2066**Introductory Practice 2: Clinical**

Credit points: 6 **Teacher/Coordinator:** Ms Annie Chan **Session:** Semester 2 **Classes:** One 2-hour lecture per week, Clinical 9.00 a.m. to 5.00 p.m. Tuesday, Thursday, Friday totalling 66 hours required per semester **Prerequisites:** CSCD2065 Introductory Practice 1: Community **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Attendance, Clinical Paperwork, Competency Checklists, Online Tasks, Written Assignment (100%) pass/fail barrier tasks, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Year 3 (Intermediate) speech pathology clinical units

Students work with an advanced student and participate in clinical service delivery in the on-campus clinic. Students must demonstrate competence in the context of direct supervision (novice level), in observing, seeking information about, accurately describing and participating in provision of clinical services to their client, seeking information relevant to their professional development and client care and show awareness of their impact on the client. To support your clinical learning this unit will consider communication and counselling skills involved with working with adult clients/caregivers and problem solving strategies for identifying and managing ethical issues involved in working with adults and their families.'

Textbooks

Clinic handbook (available from the Discipline) Competency Based Occupational Standards (CBOS)-(revised), Speech Pathology Australia, Melbourne (2001)

CSCD2067**Introductory Practice 2: Community**

Credit points: 6 **Teacher/Coordinator:** Ms Annie Chan **Session:** Semester 2 **Classes:** One 2-hour lecture per week, Clinical 9.00 a.m. to 5.00 p.m. Tuesday, Thursday, Friday totalling 56 hours required per semester **Prerequisites:** CSCD2064 Introductory Practice 1: Clinical **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Attendance, Clinical Paperwork, Behavioural Checklists, Online tasks, Written Assignment (100%) pass/fail barrier tasks, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Year 3 (Intermediate) speech pathology clinical units

Students conduct observations and prescribed activities in a preschool, long day care centre or kindergarten with children between 1 and 6 years as well as professional interactions with staff. Students will acquire knowledge of the functions and routines in an early educational setting, develop professional communication skills and confidence in working with other professionals, understand how language is used and targeted as a part of the curriculum in preschool settings, develop skills in carrying out language stimulation activities with preschool age children, and relate observations to relevant theory and research. To support your clinical learning this unit will consider communication and counselling skills involved with working with adult clients/caregivers and problem solving strategies for identifying and managing ethical issues involved in working with adults and their families.

Textbooks

Preschool handbook (available from the Discipline) Competency Based Occupational Standards (CBOS)-(revised), Speech Pathology Australia, Melbourne (2001)

CSCD3074**Specialist Studies**

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** One 3-hour lecture per week **Prerequisites:** BIOS1165 Hearing Science and Audiology **Assessment:** Assignment 1,000 words (40%), End Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit, students will learn about the different varieties of hearing loss and craniofacial abnormalities. Students will understand the impact of these disorders on communication and learn how to investigate and manage these types of communication impairments. The impact of culturally and linguistically diverse backgrounds for speech pathologists and their clients will be explored.

Textbooks

Kummer AW, Cleft Palate and Craniofacial Anomalies: Effects on Speech and Resonance, Singular-Thomson Learning, San Diego (2008)
Mahshie J, Moseley M, Lee J, Scott S, Enhancing the Communication Skills of Deaf and Hard of Hearing Children in the Mainstream, Thomson Delmar Learning (2006)
Battle D (ed), Language Disorders in Multicultural Populations, Butterworth-Heinemann, Boston (2002)

CSCD3075

Neurogenic Language Disorders 1

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 1 **Classes:** One 3-hour lecture per week **Prerequisites:** BIOS1066 Neuroscience I: Communication Disorders **Corequisites:** CSCD3077 Intermediate Clinic 1: Child or CSCD3078 Intermediate Clinic 1: Adult or CSCD3087 Intermediate Clinic 1H: Adult **Assumed knowledge:** BIOS2062 Neuroscience II: Communication Disorders **Assessment:** Mid Semester Exam (40%), End Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite or corequisite for adult clinical placements in Year 3. Students undertaking international studies in this semester must include studies in adult language disorders in their program to meet this requirement for Year 3 clinic

Students will acquire knowledge about neurologically based language disorders in adults. Students will learn about the characteristics of acquired aphasia, non-dominant hemisphere lesions, closed head injury and memory impairments in adults, and critically evaluate assessment and intervention strategies for these populations. This unit of study prepares students to undertake clinical placements with adult neurogenic populations.

Textbooks

Chapey R (ed), Language Intervention Strategies in Adult Aphasia (5th ed), Lippincott, Williams & Wilkins, Baltimore (2008)

CSCD3076

Lifelong Disability and AAC

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1 **Classes:** One 3-hour lecture per week **Prerequisites:** CSCD1032 Human Communication **Assessment:** Mid Semester Exam (50%), End Semester Viva (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will acquire knowledge of theoretical and practical issues related to working with individuals with complex communication needs across the lifespan and in a variety of residential, educational, employment, and community settings. Students will learn about common developmental disabilities including cerebral palsy, intellectual disability, and pervasive developmental disorders including autism, their impact on communication and the use of augmentative and alternative communication systems. This unit prepares students to work in a collaborative team and apply a client-focused functional approach to assessment and intervention for people with complex communication needs.

Textbooks

Beukelman DR & Mirenda P, Augmentative and Alternative Communication: Management of Severe Communication Disorders in Children and Adults, Paul H. Brookes Publishing Co, Baltimore

CSCD3077

Intermediate Clinic 1: Child

Credit points: 6 **Teacher/Coordinator:** Mr Carl Sokkar **Session:** Semester 1, Semester 2 **Classes:** Clinical 9-5 Monday-Friday face-to-face hours required per semester **Prerequisites:** Either CSCD2060 and CSCD2061 or CSCD2066 or CSCD2067; CSCD2058 Stuttering, CSCD2062 Motor Speech and Dysphagia **Corequisites:** CSCD3075 Neurogenic Language Disorders 1 **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements **Assessment:** Clinical Competency Assessment (100%), Required Paperwork (0%) barrier task, CPR

Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory

Students will be responsible for the management of paediatric clients and engage in supervisory conferences each week, during semester. Students may be placed in either on or off-campus clinics. Students will be expected at the end of this unit of study to demonstrate skills within the intermediate zone of COMPASS Competency Assessment in Speech Pathology for all 11 competencies with child clients across the range indicators (CBOS, 2001) of speech, language, voice and fluency disorders, unless the complexity of the disorder or specialist clinical setting indicates otherwise.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual (2006)

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level (2001)

CDTRC Clinic Handbook (distributed in hard copy but also available on the Professional Placement Speech Pathology eLearning site). For students placed in the CDTRC only

Academic lecture materials relevant to the caseload(s) at the placement site

CSCD3078

Intermediate Clinic 1: Adult

Credit points: 6 **Teacher/Coordinator:** Mr Carl Sokkar **Session:** Semester 1, Semester 2 **Classes:** Clinical 9-5 Monday-Friday face-to-face hours required per semester **Prerequisites:** Either CSCD2060 and CSCD2061 or CSCD2066 or CSCD2067; CSCD2058 Stuttering, CSCD2062 Motor Speech and Dysphagia **Corequisites:** CSCD3075 Neurogenic Language Disorders 1 **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements **Assessment:** Clinical Competency Assessment (100%), Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory

Students will be responsible for planning and conducting an assessment of a paediatric client and related activities. Students will be responsible for the management of adult clients in on and/or off campus clinical settings. Students will be expected at the end of this unit of study to demonstrate skills within the intermediate zone of COMPASS Competency Assessment in Speech Pathology for all 11 competencies with child and adult clients across the range indicators (CBOS, 2001) of speech, language, voice and fluency disorders, unless the complexity of the disorder or specialist clinical setting indicates otherwise.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual (2006)

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level (2001)

CDTRC Clinic Handbook (distributed in hard copy but also available on the Professional Placement Speech Pathology eLearning site). For students placed in the CDTRC only

Academic lecture materials relevant to the caseload(s) at the placement site

CSCD3082

Phonology, Language and Literacy

Credit points: 6 **Teacher/Coordinator:** Dr Natalie Munro, Dr Joanne Arciuli, Dr Elise Baker **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** CSCD1033 Child Phonology, CSCD2066 Introductory Practice 2: Clinical or CSCD2067 Introductory Practice 2: Community, CSCD2057 Child Language **Assessment:** Presentation (40%), clinical report (50%), peer evaluations (10%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will acquire in-depth knowledge in the study of phonology, language and literacy as they relate to children and adolescents with communication disorders, in diverse social situations and cultures. This unit will cover the interactions between phonology, language and literacy in both acquisition and impairment. Students will learn how

word learning is influenced by and influences phonological acquisition, and in turn how they both influence literacy acquisition. Students will examine theoretical models of word learning, phonological processing, and reading and how these models can be used to understand and manage spoken and written communication impairments across the lifespan.

CSCD3083

Intermediate Clinic 2: Adult & Community

Credit points: 6 **Teacher/Coordinator:** Mr Carl Sokkar **Session:** Semester 1, Semester 2 **Classes:** Clinical 9-5 Monday-Friday totalling 12 face-to-face hours required per semester **Prerequisites:** CSCD3075 Neurogenic Language Disorders 1, CSCD3077 Intermediate Clinic 1: Child **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements **Assessment:** Clinical Competency Assessment (100%), Required Paperwork (0%) barrier task, Case-based Viva (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. External placements may be scheduled during the Summer and Winter semesters depending on availability

Students will be responsible for planning and conducting an assessment of a paediatric client and related activities. Students will also be responsible for the management of adult clients in on and/or off-campus clinical settings in a weekly placement followed by a block placement. Students will be expected at the end of this unit of study to demonstrate skills within the intermediate zone of COMPASS Competency Assessment in Speech Pathology for all 11 competencies with adult clients across the range indicators (CBOS, 2001) of speech, language, voice and fluency disorders, unless the complexity of the disorder or specialist clinical setting indicates otherwise.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual (2006)
Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level (2001)
CDTRC Clinic Handbook (distributed in hard copy but also available on the Professional Placement Speech Pathology eLearning site). For students placed in the CDTRC only
Academic lecture materials relevant to the caseload(s) at the placement site

CSCD3084

Intermediate Clinic 2: Child & Community

Credit points: 6 **Teacher/Coordinator:** Mr Carl Sokkar **Session:** Semester 1, Semester 2 **Classes:** Clinical 9-5 Monday-Friday totalling 24 face-to-face hours required per semester **Prerequisites:** CSCD3075 Neurogenic Language Disorders 1, CSCD3078 Intermediate Clinic 1: Adult **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements **Assessment:** Clinical Competency Assessment, (100%), Required Paperwork (0%) barrier task, Case-based Viva (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. External placements may be scheduled during the Summer and Winter semesters depending on availability

Students will be responsible for the management of paediatric client/s and engage in supervisory conferences each week, during semester. Students may be placed in either on or off-campus clinics. Students will also be responsible for the management of adult clients in off campus clinical settings in a block placement. Students will be expected at the end of this unit of study to demonstrate skills within the intermediate zone of COMPASS Competency Assessment in Speech Pathology for all 11 competencies with child clients across the range indicators (CBOS, 2001) of speech, language, voice and fluency disorders, unless the complexity of the disorder or specialist clinical setting indicates otherwise.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual (2006)
Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level (2001)
CDTRC Clinic Handbook (distributed in hard copy but also available on the Professional Placement Speech Pathology eLearning site). For students placed in the CDTRC only
Academic lecture materials relevant to the caseload(s) at the placement site

CSCD3085

Speech Pathology Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Arciuli **Session:** Semester 2 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per week, 1-hour in total research participation during semester **Assumed knowledge:** Understanding of descriptive statistics **Assessment:** SPSS Exams weeks 3-6 (30%) barrier task, Research Participation (5%), End Semester Exam (65%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit (CSCD3085) is a prerequisite for CSCD4051 Evidence Based Practice for SP

In this unit students will learn the basic principles of designing, undertaking and analysing research in speech pathology. This will enable students to be more careful consumers (and, perhaps, producers) of research when they become clinicians and to appreciate the fundamental link between research skills and evidence-based practice. This unit will also lay the groundwork for students who might be considering a research higher degree. A variety of topics will be explored including correlational techniques, hypothesis testing and qualitative methods. Exercises and examples will relate specifically to the basic science and applied aspects of speech pathology. Students will gain experience using SPSS statistical analysis software.

CSCD3086

Voice and Voice Disorders

Credit points: 6 **Teacher/Coordinator:** Dr Cate Madill **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** BIOS1163 Speech Science **Assumed knowledge:** BIOS1165 Hearing Science and Audiology; CSCD1034 Linguistics, Phonetics and Articulation **Assessment:** 1 hr exam (40%), 2500 word assignment (60%), auditory-perceptual exam (pass/fail), viva exam (pass/fail) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for CSCD4051 Evidence Based Practice for SP

This unit of study will enable students to describe, analyse and apply: i) the anatomical, physiological, aerodynamic, biomechanical, acoustic, physical and perceptual principles of vocal function; ii) principles and skills in the assessment and analysis of vocal function including basic principles of acoustic speech recording and analysis; iii) the nature of voice disorders; evaluation and management of individuals with a variety of phonatory disorders; iv) different voice techniques and facilitating vocal change in the non-disordered and disordered population.

Textbooks

Colton, R.H., Casper, J.K. & Leonard, R (2006). 3rd edition. Understanding Voice Problems: A Physiological Perspective for Diagnosis and Treatment. Baltimore: Williams and Wilkins

CSCD3087

Intermediate Clinic 1H: Adult

Credit points: 6 **Teacher/Coordinator:** Mr Carl Sokkar **Session:** Semester 1, Semester 2 **Classes:** Clinical 9-5 Monday-Friday totalling 12 face-to-face hours required per semester **Prerequisites:** CSCD2058 Stuttering, CSCD2062 Motor Speech and Dysphagia, CSCD2066 Introductory Practice 2: Clinical or CSCD2067 Introductory Practice 2: Community **Corequisites:** CSCD3075 Neurogenic Language Disorders 1 **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements **Assessment:** Clinical Competency Assessment (100%), Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must maintain a credit average and must not have a Fail grade in any unit of study to be enrolled in the honours program

Students will be responsible for planning and conducting an assessment of a paediatric client and related activities. Students will be responsible for the management of adult clients in on and/or off-campus clinical settings. Students will be expected at the end of this unit of study to demonstrate skills within the intermediate zone of COMPASS Competency Assessment in Speech Pathology for all 11 competencies with child and adult clients across the range indicators (CBOS, 2001) of speech, language, voice and fluency disorders, unless the complexity of the disorder or specialist clinical setting indicates otherwise.

Textbooks

COMPASS Manual (2006)

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level (2001)

CDTRC Clinic Handbook (distributed in hard copy but also available on the Professional Placement Speech Pathology eLearning site). For students placed in the CDTRC only

Academic lecture materials relevant to the caseload(s) at the placement site

CSCD3089

Intermediate Clinic 2H: Child & Community

Credit points: 6 **Teacher/Coordinator:** Mr Carl Sokkar **Session:** Semester 1, Semester 2 **Classes:** Clinical 9-5 Monday-Friday totalling 24 face-to-face hours required per semester **Prerequisites:** CSCD3075 Neurogenic Language Disorders 1, CSCD3087 Intermediate Clinic 1H: Adult **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health Requirements **Assessment:** Clinical Competency Assessment (100%), Required Paperwork (0%) barrier task, Case-based Viva (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at clinic orientation is compulsory. Students must maintain a credit average and must not have a Fail grade in any unit of study to be enrolled in the honours program

Students will be responsible for the management of paediatric client/s and engage in supervisory conferences each week, during semester. Students may be placed in either on or off-campus clinics. Students will also be responsible for the management of adult clients in off campus clinical settings in a block placement. Students will be expected at the end of this unit of study to demonstrate skills within the intermediate zone of COMPASS Competency Assessment in Speech Pathology for all 11 competencies with adult clients across the range indicators (CBOS, 2001) of speech, language, voice and fluency disorders, unless the complexity of the disorder or specialist clinical setting indicates otherwise.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual (2006)

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level (2001)

CDTRC Clinic Handbook (distributed in hard copy but also available on the Professional Placement Speech Pathology eLearning site). For students placed in the CDTRC only

Academic lecture materials relevant to the caseload(s) at the placement site

CSCD3090

Audiology 2

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 2 **Classes:** One 2-hour lecture per week, One 1-hour practical including practicals with children adults per week **Prerequisites:** BIOS1165 Hearing Science and Audiology **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Assignment 1 1,500 words (50%), Assignment 2 2,000 words (50%), Competency Assessment of Hearing Testing (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Introduction to complex audiological assessment and intervention techniques for hearing impaired adults and children. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

CSCD3091

Fieldwork

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 2 **Classes:** One 1-hour lecture per week weeks 1, 3, 5 and 9. Fieldwork 9-5 Monday-Friday minimum 12 hours over 6 weeks **Prerequisites:** CSCD1032 Human Communication, CSCD1034 Linguistics, Phonetics and Articulation, CPR Certificate **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** 4 worksheets, Required Paperwork, Interaction Analysis 500 words, Online Activities (100%) barrier tasks, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate before they can enrol in this unit. Attendance at Fieldwork orientation is compulsory.

Students do observations and prescribed activities in a preschool, long day care centre or kindergarten with children between 1 and 6 years as well as professional interactions with staff. Students will acquire knowledge of the functions and routines in an early educational setting, develop professional communication skills and confidence in working with other professionals, understand how language is used and targeted as a part of the curriculum in preschool settings, develop skills in carrying out language stimulation activities with preschool age children, and relate observations to relevant theory and research.

Textbooks

Fieldwork Handbook

CSCD3092

Speech Pathology Research Methods H

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Arciuli **Session:** Semester 2 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per week, 1-hour in total research participation during semester, one 1-hour seminar per week **Assumed knowledge:** Understanding of descriptive statistics **Assessment:** SPSS Exams weeks 3-6 (30%) barrier task, Research Participation (5%), End Semester Exam (65%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for CSCD4065 Research Project

In this unit students will learn the basic principles of designing, undertaking and analysing research in speech pathology. This will enable students to be more careful consumers (and, perhaps, producers) of research when they become clinicians and to appreciate the fundamental link between research skills and evidence-based practice. This unit will also lay the groundwork for students who might be considering a research higher degree. A variety of topics will be explored including correlational techniques, hypothesis testing and qualitative methods. Exercises and examples will relate specifically to the basic science and applied aspects of speech pathology. Students will gain experience using SPSS statistical analysis software. Students spend an hour per week focusing on research methods as they relate to their Honours topic.

CSCD4051

Evidence Based Practice for SP

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week **Prerequisites:** BACH1143 Designing Health Research; CSCD3074 Specialist Studies; CSCD3075 Neurogenic Language Disorders 1; CSCD3076 Lifelong Disability and AAC; CSCD3079 Voice and Voice Disorders 2; CSCD3080 Neurogenic Language Disorders 2; CSCD3081 Clinical Case Management; CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community OR CSCD3084 Intermediate Clinic 2: Child & Community **Assumed knowledge:** Students are assumed to be concurrently enrolled in Year 4 clinical units and should seek advice from the UOS coordinator if this is not the case. **Assessment:** Critically appraised topic (40%), Implementation plan (40%), Minutes of team meetings (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will acquire the knowledge and skills to conduct critical evaluation of the literature pertinent to speech pathology practice and apply principles of evidence-based practice. Students will focus on specific areas of specialised practice. These areas will be chosen to strengthen the student's professional portfolio demonstrating competencies across all areas.

Textbooks

Dollaghan, C.A. (2007). The Handbook for evidence based practice in communication disorders. Baltimore, Paul H. Brookes Publishing.

Reilly, S., Douglas, J., & Oates, J. (eds) (2004). Evidence Based Practice in Speech Pathology. Whurr Publications; London.

CSCD4052

Professional Issues

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Kenny/Ms Elizabeth Bourne
Session: Semester 1, Semester 2 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per week **Corequisites:** CSCD4053 Advanced Practice A: Clinical or CSCD4059 Advanced Practice B: Clinical **Assessment:** Students must attend 80% of lectures and complete 1 online reflective statement (barrier task). Students will complete a group assessment task (QI project). The QI project includes a learning contract (10%), progress report (10%), presentation (15%) and written report (50%) totalling 85% of marks awarded for the UOS. Students also complete an individual mock job application worth (15%) of assessment marks for the UOS **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must complete year 3 Intermediate Clinic adult neuro-block before enrolling in CSCD4052 Professional Issues. Students must be prepared to travel to external health sites during their projects.

Students enrolled in this unit will participate in learning experiences that integrate theoretical knowledge with clinical experience in order to prepare for the professional workplace. Students will cover issues in professional relationships, ethics, caseload management, legal requirements and professional self regulation. Students complete a group quality improvement project (generally at an external site).

CSCD4053

Advanced Practice A: Clinical

Credit points: 6 **Teacher/Coordinator:** Ms Nadia Tudberry **Session:** Semester 1, Semester 2 **Classes:** Clinical 9-5 Monday-Thursday minimum 12 client hours, 12 prep hours and 12 hours for support and mentoring required per semester **Prerequisites:** CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4054 Advanced Practice A: Community, CSCD4052 Professional Issues **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements. **Assessment:** Clinical Competency Assessment (100%), Orientation (0%) barrier task, Required Paperwork (0%) barrier task, TAM Duty (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment in CSCD40XX Advanced Practice A: Community. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from February - November and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.

Students manage a client caseload and participate in a variety of clinical management and service activities within the on-campus clinic. Students also participate in a clinical mentoring experience with novice/intermediate students. Students are responsible for supporting and facilitating the learning of the novice/intermediate students. They participate in supervisory conferences with their clinical educators and peers. Students are expected to demonstrate competency in professional communication skills, team work and effective time management, as well as overall client management.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009
 Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

CSCD4054

Advanced Practice A: Community

Credit points: 6 **Teacher/Coordinator:** Ms Nadia Tudberry **Session:** Semester 1, Semester 2 **Classes:** Block Mode 9-5 Tuesday-Thursday, 1-day per week for 13-17 weeks during semester **Prerequisites:** CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4053 Advanced Practice A: Clinical **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements **Assessment:** Clinical Competency Assessment (100%), Orientation (0%) barrier task, Required Paperwork (0%)

barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment in CSCD4053 Advanced Practice A: Clinical. Student must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.

Students provide an assessment and/or intervention service to clients within the community. They manage a varied client caseload, as well as participate in a variety of clinical management and clinical service activities. Students participate in the Diagnostics Clinic and service provision within a community setting. Students take part in regular supervisory conferences with their clinical educators and other students.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009
 Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

CSCD4055

Advanced Practice A: Paediatric

Credit points: 12 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1, Semester 2 **Classes:** Block Mode Monday-Friday 9-5 4-days per week for 6 weeks attendance at clinical placement plus required orientation **Prerequisites:** CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4056 Advanced Practice A: Adult **Assessment:** Clinical Competency Assessment (100%), Portfolio (0%) barrier task, Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment with CSCD4056 Advanced Practice A: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one, 6 week (or equivalent) block. Over the semester they manage a varied child caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009
 Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001
 Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.
 Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD4056

Advanced Practice A: Adult

Credit points: 12 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1, Semester 2 **Classes:** Block Mode Monday-Friday 9-5 4-days per week for six week attendance at clinical placement plus required orientation **Prerequisites:** CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4055 Advanced Practice A: Paediatric **Assessment:** Clinical Competency Assessment (100%), Portfolio (0%) barrier task, Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: This unit of study is typically completed with concurrent enrolment with CSCD4055 Advanced Practice A: Paediatric. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one, 6 week (or equivalent) block. Over the

semester they manage a varied adult caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD4057

Advanced Practice B: Paediatric

Credit points: 12 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1 **Classes:** Block Mode Monday-Friday 9-5 4-days per week for six weeks attendance at clinical placement plus required orientation **Prerequisites:** CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4058 Advanced Practice B: Adult **Assessment:** Clinical Competency Assessment (100%), Portfolio (0%) barrier task, Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment with CSCD4058 Advanced Practice B: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one, 6 week (or equivalent) block. Over the semester they manage a varied child caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD4058

Advanced Practice B: Adult

Credit points: 12 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1 **Classes:** Block Mode Monday-Friday 9-5 4-days per week for six weeks attendance at clinical placement plus required orientation **Prerequisites:** CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4057 Advanced Practice B: Paediatric **Assessment:** Clinical Competency Assessment (100%), Portfolio (0%) barrier task, Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment with CSCD4057 Advanced Practice B: Paediatric. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January- December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one, 6 week (or equivalent) block. Over the semester they manage a varied adult caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD4059

Advanced Practice B: Clinical

Credit points: 6 **Teacher/Coordinator:** Ms Nadia Tudberry **Session:** Semester 2 **Classes:** Clinical 9-5 Monday-Thursday minimum 12 client hours, 12 prep hours and 12 hours for support and mentoring required per semester **Prerequisites:** CSCD3082 Phonology, Language and Literacy; CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4052 Professional Issues, CSCD4060 Advanced Practice B: Community **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements **Assessment:** Clinical Competency Assessment (100%), Portfolio (0%) barrier task, Required Paperwork (0%) barrier task, TAM Duty (0%) barrier task, Debrief Activities (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment with CSCD4060 Advanced Practice B: Community. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from February - November and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.

Students manage a client caseload and participate in a variety of clinical management and service activities within the on-campus clinic. Students also participate in a clinical mentoring experience with novice/intermediate students. Students are responsible for supporting and facilitating the learning of the novice/intermediate students. They participate in supervisory conferences with their clinical educators and peers. Students are expected to demonstrate competency in professional communication skills, team work and effective time management, as well as overall client management. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

CSCD4060

Advanced Practice B: Community

Credit points: 6 **Teacher/Coordinator:** Ms Nadia Tudberry **Session:** Semester 2 **Classes:** Block Mode 9-5 Tuesday-Thursday, 1-day per week for 13-17 weeks during semester. Clinical 8-4 Friday 6.5-10-hours per semester **Prerequisites:** CSCD3082 Phonology, Language and Literacy, CSCD3083 Intermediate Clinic 2: Adult & Community or CSCD3084 Intermediate Clinic 2: Child & Community **Corequisites:** CSCD4059 Advanced Practice B: Clinical **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements **Assessment:** Clinical Competency Assessment (100%), Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment in CSCD4059 Advanced Practice B: Clinical. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.

Students provide an assessment and/or intervention service to clients within the community. They manage a varied client caseload, as well as participate in a variety of clinical management and clinical service activities. Students participate in the Diagnostics Clinic and service provision within a community setting. Students take part in regular supervisory conferences with their clinical educators and other students. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation

and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

CSCD4061

Advanced Practice H: Clinical

Credit points: 6 **Teacher/Coordinator:** Ms Nadia Tudberry **Session:** Semester 1 **Classes:** Clinical 9-5 Monday-Thursday minimum 12 client hours, 12 prep hours and 12 hours for support and mentoring required per semester **Prerequisites:** CSCD3082 Phonology, Language and Literacy; CSCD3089 Intermediate Clinic 2H: Child & Community **Corequisites:** CSCD4062 Advanced Practice H: Community **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements **Assessment:** Clinical Competency Assessment (100%), Orientation (0%) barrier task, Required Paperwork (0%) barrier task, TAM Duty (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment in CSCD4062 Advanced Practice H: Community. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from February - November and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.

Students manage a client caseload and participate in a variety of clinical management and service activities within the on-campus clinic. Students also participate in a clinical mentoring experience with novice/intermediate students. Students are responsible for supporting and facilitating the learning of the novice/intermediate students. They participate in supervisory conferences with their clinical educators and peers. Students are expected to demonstrate competency in professional communication skills, team work and effective time management, as well as overall client management.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

CSCD4062

Advanced Practice H: Community

Credit points: 6 **Teacher/Coordinator:** Ms Nadia Tudberry **Session:** Semester 1 **Classes:** One 2-hour CSCD4052 lecture per week, Block mode 9-5 Tuesday-Thursday, 1-day per week for 13-17 weeks during semester. Clinical 8-4 Friday 6.5-10-hours per semester **Prerequisites:** CSCD3082 Phonology, Language and Literacy, CSCD3089 Intermediate Clinic 2H: Child & Community **Corequisites:** CSCD4061 Advanced Practice H: Clinical **Prohibitions:** Students must advise the Speech Pathology Director of Clinical Education before enrolling in this unit of study if they do not have a current National Police Certificate or are a prohibited person under the NSW Working with Children Act (2001). Students must be able to supply proof of vaccination or positive serology results as per NSW Department of Health requirements **Assessment:** Clinical Competency Assessment (100%), Orientation (0%) barrier task, Required Paperwork (0%) barrier task, Attend CSCD4052 Lectures (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment in CSCD4061 Advanced Practice H: Clinical. Students must hold a current CPR certificate before they can commence in this unit. Attendance at clinic orientation is compulsory. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16 depending on availability.

Students provide an assessment and/or intervention service to clients within the community. They manage a varied client caseload, as well as participate in a variety of clinical management and clinical service activities. Students participate in the Diagnostics Clinic and service provision within a community setting. Students take part in regular supervisory conferences with their clinical educators and other students. Students enrolled in this unit of study will also attend lectures

regarding topics related to professional practice as a speech pathologist.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

CSCD4063

Advanced Practice H: Paediatric

Credit points: 12 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1, Semester 2 **Classes:** Block Mode Monday-Friday 9-5, 4-days per week for six weeks attendance at clinical placement plus required orientation **Prerequisites:** CSCD3082 Phonology, Language and Literacy; CSCD3089 Intermediate Clinic 2H: Child & Community **Assessment:** Clinical Competency Assessment (100%), Portfolio (0%) barrier task, Required Paperwork (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one, 6 week (or equivalent) block. Over the semester they manage a varied child caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

Textbooks

COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD4064

Advanced Practice H: Adult

Credit points: 12 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1, Semester 2 **Classes:** 24 days attendance at clinical placement plus required orientation **Prerequisites:** CSCD3082 Phonology, Language and Literacy, CSCD3089 Intermediate Clinic 2H: Child & Community **Assessment:** COMPASS assessment of clinical competence mid and end semester (100%). Completion of professional portfolio (if final placement) and other paperwork as well as attendance at debrief activities are barrier tasks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one, 6 week (or equivalent) block. Over the semester they manage a varied adult caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD4065

Research Project

Credit points: 12 **Teacher/Coordinator:** Dr Natalie Munro **Session:** Semester 2 **Classes:** Meetings with supervisor (as agreed between student and supervisor) **Prerequisites:** BACH1143 Designing Health Research; CSCD3088 Research Seminar **Assessment:** Presentation of Research Project (0%), Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must maintain a credit average and must not have a Fail grade in any unit of study to be enrolled in the Honours program.

Students undertake a supervised clinical research project in an area of human communication sciences or disorders. The student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

Textbooks

Smyth, T.R. (2004). *The Principles of Writing in Psychology* Palgrave Macmillan.

EXSS1018

Biomechanics of Human Movement

Credit points: 6 **Teacher/Coordinator:** Dr Mark Halaki **Session:** Semester 1 **Classes:** One 2-hour lecture per week, one 2-hour tutorial/practical per week **Assumed knowledge:** HSC mathematics **Assessment:** Online quizzes (10%), 1-hour Mid-semester Exam (30%), 2-hour End-semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to develop an appreciation of how mechanical principles can be applied to understand the underlying causes of human movement. Topics include: kinematics, vectors, Newton's laws of motion, work, energy, power, and momentum; for both translational and rotational motion; and the influence of fluids on motion. Emphasis is placed on developing mathematical skills and analytical problem solving techniques. The laboratory classes complement the lectures; providing opportunities to validate mechanical principles in a quantitative manner.

EXSS1029

Muscle Mechanics and Training

Credit points: 6 **Teacher/Coordinator:** Mr Tom Gwinn **Session:** Semester 1, Semester 2 **Classes:** 2hrs lectures, 2hrs practical/week **Assumed knowledge:** One of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A **Assessment:** Mid semester exam (20%), practical report (5%), end semester exam (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit focuses on the sarcomere, and its molecular components, as the basis of skeletal muscle function and adaptability. Starting from the cross bridge cycle, students progress to explore the functional implications of altered assemblies of sarcomeres in series or in parallel. Data is presented on sarcomere remodelling of human muscle in response to training and disuse. Students then apply this information to deduce the effects of these adaptations on muscle function, including alterations in the capacity to produce force and power, and on the passive length-tension properties of muscle. The control of muscle activation is examined both at the cellular level and at the whole muscle level. Students acquire professional skills through participation in a progressive high-resistance weight training program. Lecture material presents dose-response relations for high resistance training in terms of both minimal effective and optimal values for load, sets and frequency of training. Practical classes examine muscle structure and maximal voluntary responses.

Textbooks

No textbook required, students recommended to obtain unit of study manual

EXSS1032

Fundamentals of Exercise Science

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Johnson **Session:** Semester 2 **Classes:** 3hrs lectures, 2hrs practical/week **Assessment:** Practical skills assessment (20%), mid semester exam (25%), end semester exam (55%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to provide students with an understanding of the fundamental principles of exercise science and an introduction to their application to physical activity, sport, fitness and health. A focus of Fundamentals of Exercise Science is the practical application of testing procedures to the measurement of physiological function. In this unit issues related to work (and its measurement), energy supply, physiological capacity and muscular fitness are covered, with emphasis on the integration of these concepts, the use of scientific rigour and evidence-based practice. Practical classes will cover various fundamental skills for exercise scientists including standard health screening procedures and the principles and practice aerobic and

muscular fitness testing. The exercise prescription component of the unit introduces students to the concepts of programming for cardio-respiratory/aerobic and muscular fitness for healthy individuals. A major emphasis of the unit is the acquisition of laboratory based testing/assessment skills.

EXSS2018

Biomechanical Analysis of Movement

Credit points: 6 **Teacher/Coordinator:** Dr Benedicte Vanwanseele **Session:** Semester 1 **Classes:** One 2-hour lecture/tutorial/practical per week **Prerequisites:** EXSS1018 Biomechanics of Human Movement **Assessment:** Filming practical (20%), Mid Semester Exam (25%), End of Semester Exam (40%), Tutorial Calculations and discussion questions (15%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The main emphasis of this unit is in developing practical expertise in techniques for the biomechanical analysis of human movement. Students conduct a 2D video analysis project that makes use of a computer software package (KAVideo). A second component of this unit is aimed at further development of mathematical and problem-solving skills. Topics include static and dynamic equilibrium, calculation of centre of mass, and determination of joint torques using inverse dynamics.

EXSS2021

Nutrition, Health and Performance

Credit points: 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 2 **Classes:** One 2-hour lecture/tutorial/practical per week **Prerequisites:** Either: EXSS2017 Biochemistry of Exercise and EXSS2019 Exercise Physiology-Acute responses, or EXSS2028 Exercise Physiology and Biochemistry **Assessment:** Group Presentations (20%), Group Case Study Report (20%), End of Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with an understanding of the principles of nutrition to optimise physical performance in sport, recreation and occupation. This unit defines the importance of macro and micro nutrients in the maintenance of health, and the specific roles of carbohydrate, protein and lipids in energy metabolism during exercise. In addition, the interaction between dietary intake and physical activity and its effects on energy-balance, cardiovascular health and other lifestyle diseases are considered.

EXSS2022

Exercise Physiology-Training Adaptations

Credit points: 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 2 **Classes:** Three 1-hour lectures per week, one 2-hour practical in weeks 1,3 and 9 and one 1-hour tutorial in weeks 4,7,12 and 13. **Prerequisites:** Either: EXSS2017 Biochemistry of Exercise and EXSS2019 Exercise Physiology-Acute responses, or EXSS2028 Exercise Physiology and Biochemistry **Assumed knowledge:** BCHM2072 Human Biochemistry **Assessment:** Two Practical Reports (15%), two Quizzes (4%), one 1.5-hour Mid Semester Exam (38%), one End Semester Exam (43%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is concerned with the physiological adaptations associated with training. This unit will focus on cardiorespiratory and metabolic adaptations to endurance, high resistance and interval/sprint training. The implications of training will be discussed with respect to improved fatigue resistance, resulting from changes in the structural and functional capacities of organ systems under normal conditions as well as altered environmental conditions such as altitude and temperature. The mechanisms behind muscle damage and fatigue, including acidosis and excitation-coupling failure, will be examined in the untrained individual and the elite athlete with respect to their specific stimulus and appropriate recovery. This unit will build on fundamental topics of EXSS2028 Exercise Physiology and Biochemistry, and will apply theory to practice with a hands-on approach through the conduct of both sprint and endurance training programs.

EXSS2025

Motor Control and Learning

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Nicholas O'Dwyer, Dr Roger Adams **Session:** Semester 1, Semester 2 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per week **Assumed knowledge:** BIOS1171

Neuroscience **Assessment:** Tutorial presentation (15%), online feedback quiz MCQ, group presentation of training project skill (pass/fail), group training project report (35%), end semester exam MCQ, SAQ (50%) and peer assessment quizz **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides students with a broad overview of motor control and learning with the aim of stimulating them to think about the mechanisms of normal human movement. Both a behavioural and a neurophysiological approach are taken to the acquisition and execution of skilled motor actions. The behavioural approach is directed at the structures and processes underlying movement without considering their physical basis, while the neurophysiological approach is directed at the neuromuscular machinery and the functional neural connections that govern movement. The unit consists of 3 modules. The first module examines the information processing and energetic capacities of the learner that underpin motor performance; that is, characteristics of the perceptual-motor system such as memory, attention, reaction time, speed-accuracy trade-off, force control, economy of energy, coordination, automaticity, lateralisation, arousal and stress, talent and expertise. The second module examines features of the learning environment that can be manipulated to promote motor learning such as goals, motivation, instruction, practice conditions and feedback. The third module examines applications to teaching motor skills, coaching and rehabilitation and includes a group project in which a motor skill is trained, thereby enabling students to apply the principles of motor control and learning that they have learned.

EXSS2026

Growth, Development and Ageing

Credit points: 6 **Teacher/Coordinator:** Dr Rhonda Orr **Session:** Semester 2 **Classes:** 2hrs lectures/week **Assessment:** Mid semester exam(25%), group presentation (20%), end semester (55%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide the student with an appreciation of growth, development and ageing of the human across the lifespan. Physiologic changes, motor skill development and physical performance will be examined and related to morphology and stages of childhood and adolescent growth and ageing. The relationships between growth, development, gender and physical activity will be explored. The biological changes and consequences of ageing on physiologic and psychological health, disease and exercise capacity will be investigated. The student will also be able to gain an understanding of exercise prescription for pregnant women, children, adolescents and older adults.

EXSS2027

Exercise Physiology for Clinicians

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Johnson **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs practical/week **Assumed knowledge:** EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1 or BIOS1170 Body Systems: Structure and Function **Assessment:** Mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to provide students with a broad understanding of the physiological responses and adaptations to physical activity and inactivity. The unit has a primary focus on the application of exercise as both a treatment modality and a tool in rehabilitation. The unit describes the basic metabolic, cardiovascular, respiratory, thermoregulatory and endocrine responses and adaptations to exercise training in healthy, asymptomatic individuals (children, adults and the elderly). The normal exercise response is compared with that in health disorders such as diabetes, arthritis, and heart and lung disease. Particular attention is given to exercise testing in clinical practice.

EXSS2028

Exercise Physiology and Biochemistry

Credit points: 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** Three 1-hour lectures per week, one 2-hour practical in weeks 2,4 and 9 and one 1-hour tutorial in weeks 3,5,10,12 and 13. **Prohibitions:** EXSS2017, EXSS2019 **Assumed knowledge:** BIOS1167 Human Cell Biology and EXSS1032 Fundamentals of Exercise Science **Assessment:** Practical Report (10%), 4x Quizzes (4%), 1.5h Mid semester exam (41%), 2h End

semester exam (45%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit discusses the acute responses to exercise with a specific emphasis on the roles of the respiratory and cardiovascular systems in oxygen transport and the significance of sub-maximal and maximal oxygen consumption in the limitations to performance. Furthermore, this unit develops an understanding of the specific metabolic response to exercise at the peripheral cellular level and the biochemical strategies that maintain energy balance during exercise and a return to homeostasis in recovery. Students will put theory into practice with weekly laboratory tasks that encourage skill acquisition in the collection of real-time physiological data of the respiratory and cardiovascular response to exercise and subsequent metabolic calculations for the discussion of fuel mobilisation during exercise.

EXSS3023

Exercise Testing and Prescription

Credit points: 6 **Teacher/Coordinator:** Dr Corinne Caillaud **Session:** Semester 1, Semester 2 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Assumed knowledge:** EXSS2027 Exercise Physiology for Physicians or EXSS2028 Exercise Physiology and Biochemistry **Assessment:** Mid Semester Exam (25%), Assignment (25%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is designed to provide a comprehensive and critical examination of exercise testing and programming in low-risk populations. The scientific evidence for exercise dosages for aerobic exercise and resistance training required for health and fitness outcomes will be critically reviewed. Other aspects of exercise programming such as flexibility, warm up and instructional technique will also be covered in this unit. Through the use of lectures and case studies, students will learn how to integrate both the physiological components and logistical aspects of exercise performance, to devise individualised exercise test batteries and prescriptions. Although not a co-requisite, students will benefit from undertaking EXSS3024 Exercise, Health and Disease in parallel with Exercise Testing and Prescription.

EXSS3024

Exercise, Health and Disease

Credit points: 6 **Teacher/Coordinator:** Mr Daniel Hackett **Session:** Semester 1 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Assumed knowledge:** EXSS3023 Exercise Testing and Prescription, and either EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians **Assessment:** ECG Exam (20%), Oral Case study Defence (30%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to investigate the application of exercise science to the promotion and maintenance of health via the prevention of chronic disease and the management of people suffering from chronic disease. Students will explore a range of topics including pathophysiology, risk assessment, clinical exercise testing, the role of exercise and client monitoring. Emphasis will be placed on the scientific evidence underpinning the use of exercise and effective doses in those chronic diseases which are responsive to an exercise intervention. The chronic disease conditions covered include metabolic syndrome, diabetes and cardiovascular and peripheral vascular disease.

EXSS3027

Exercise and Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Mr Daniel Hackett **Session:** Semester 2 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Prerequisites:** EXSS3024 Exercise, Health and Disease **Assumed knowledge:** Either: both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology-Training Adaptations, or EXSS2027 Exercise Physiology for Clinicians or EXSS2028 Exercise Physiology and Biochemistry **Assessment:** Practical Exam (50%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines the pathophysiological basis of exercise limitations and the use of exercise in the management of a range of musculoskeletal and respiratory conditions such as chronic low back pain, osteoarthritis, osteoporosis, asthma and chronic obstructive

pulmonary disease. Throughout the unit, discussion of the effects of disease on the exercise response is used to enhance understanding of normal exercise physiology and biomechanical function. Similar attention is paid to the contributions of disuse and deconditioning to exacerbation of exercise impairment imposed by disease or injury. Completion of 140 hours of workplace experience is a requirement for successful completion of Exercise and Rehabilitation, and this can be accrued during the undergraduate program.

EXSS3037

Exercise Pharmacology and Immunology

Credit points: 6 **Teacher/Coordinator:** Dr Rhonda Orr **Session:** Semester 1 **Classes:** 2hrs lectures/week, 4 tutorials/semester **Prerequisites:** Either (BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II and EXSS2019 Exercise Physiology-Acute Responses) or (BIOS1170 Body Systems: Structure and Function and EXSS2028 Exercise Physiology and Biochemistry) **Assessment:** Mid semester exam (40%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will introduce the student to the principles of pharmacology and immunology as well as the effect and influence of exercise on the respective fields. Students will gain an understanding of the pharmacokinetic and pharmacodynamic action of drugs in the body. Students will be able to describe the site and mechanism of action of selected drug groups, to identify the therapeutic use of the drug and its adverse effects, to examine the effect of the exercise and disease on drug action, and the effect of the drug on the exercise response. Special emphasis will be given to drugs used for therapeutic medication, for recreational purposes and for performance enhancement in sport. The nature of immunity, the immune response, pathological disorders of the immune system and its response to exercise and ageing will be examined.

EXSS3040

Physiological Testing and Training

Credit points: 6 **Teacher/Coordinator:** Dr Corinne Caillaud **Session:** Semester 2 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Prerequisites:** EXSS2022 Exercise Physiology-Training Adaptations **Assessment:** Assignment (30%), Practical book (20%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides students with both theoretical knowledge and practical skills (laboratory and field-based) for the physiological assessment and training of elite athletes. The application of current tests and measurements in sports science together with training theory and practice will be critically reviewed. Special attention will be given to the role of speed, strength and endurance in sports performance. Fundamental questions concerning the nature of the training stimulus, training thresholds, plasticity of muscle, dose-response relationships, detraining and overtraining will be investigated. Teaching and learning strategies include lectures, case studies, practical test and measurement skills. On completion of this unit of study students will demonstrate competency within the sports testing environment and a capacity to provide well researched consultancy advice on sports training theory and practice.

EXSS3041

Management, Marketing and the Law

Credit points: 6 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer **Session:** Semester 2 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per week **Assessment:** Assignment (40%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit presents an overview of starting a small business, adapting current marketing principles and being aware of the many pitfalls that will be encountered along the way. Attention is given to the fundamentals of business planning, staff structuring, and understanding of current occupancy costs together with an insight into the basics of budgetary controls. Media buying, advertising and franchising are also reviewed. Proficiency in the area of legal obligations for leasing, insurance, consumer protection, third party liability and associated legislative obligations such as Occupational Health and Safety is developed. Negotiation skills and business

obligations are introduced to augment the level of expertise when leaving university to work within an established firm or commence your own practice, partnership or solely owned company.

EXSS3042

Nutrition for Health, Exercise and Sport

Credit points: 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 1 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Prerequisites:** BIOS1167 Human Cell Biology OR EXSS1031 **Assessment:** Mid Semester Exam (20%), Presentation (20%), End of Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

This unit provides students with background knowledge in nutrition as applied to public health and exercise performance. Emphasis is given to the major, nutrition related public health issues faced by western countries including the impact of diet on obesity, diabetes mellitus, cardiovascular disease and cancer. Students will learn to appreciate how manipulation of diet is used in the management of the abovementioned lifestyle diseases. In addition, students will learn about the way diet can optimise exercise performance through provision of adequate energy and ideal distribution of macronutrients. Use of dietary supplements and nutritional ergogenic aids and the benefit of sports nutrition strategies such as 'carbohydrate loading' will also be a focus. This unit of study has a strong practical emphasis.

EXSS3044

Biomechanics of Sports Techniques

Credit points: 6 **Teacher/Coordinator:** Dr Edouard Rene Ferdinands **Session:** Semester 1 **Classes:** Two 1hr lectures, two 1hr tutorial or prac session/week **Prerequisites:** EXSS1018 Biomechanics of Human Movement **Assessment:** 1hr mid semester exam (20%), written assignment (20%), 2hr end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The prime focus of this unit is the application of biomechanical principles to the analysis, understanding, assessment, feedback and improvement of techniques to enhance sport performance. Students will be introduced to the biomechanical analysis of various popular sports such as cricket, golf, soccer, weight lifting, tennis, throwing, etc. Many of the case studies involve the development of practical assessment competency. Skills include the development of a qualitative analysis framework in which to use biomechanical principles to analyse all sporting techniques. On completion of this unit, students will have the specialised knowledge to work with athletes in sports testing environment, and develop a career in which they can work with elite coaches and athletes.

EXSS3045

Professional Practice

Credit points: 6 **Teacher/Coordinator:** Dr Jacqui Raymond **Session:** Semester 1 **Classes:** Information tutorials held for students once per semester, or twice if required **Prerequisites:** EXSS1032 Fundamentals of Exercise Science **Assessment:** Completion of 140 hrs professional experience and competency in professional and practical skills **Campus:** Cumberland **Mode of delivery:** Professional Practice

The aim of this unit is to engage students in practical experiences relevant to exercise science. These experiences should reinforce theoretical knowledge and practical skills acquired through university studies. Students complete at least 140 hours of supervised practicum in relevant areas such as exercise testing and exercise delivery. Opportunities for appropriate placements will be advertised to students, however students may also seek their own opportunities. Although this unit runs for only one semester, students may wish to (and are encouraged) to acquire supervised practicum hours throughout their degree, selecting placements which are consistent with their knowledge and skills at various stages of the degree. This unit also includes some tutorial content issues related to professional practice.

EXSS3047

Nutrition Practice for Health & Exercise

Credit points: 3 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 1 **Classes:** 2hr lecture, tutorial, practical/week for 10 weeks, 10hr field research project **Corequisites:** NUTR3911 Nutritional Assessment Methods, NUTR3921 Methods in Nutrition Practice **Assessment:** Group presentation (30%), final

exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

This unit provides the theoretical background supporting the manipulation of diet to enhance sports performance. Students will learn about the way diet can optimise exercise performance through the provision of adequate energy and ideal distribution of macronutrients. Use of dietary supplements and nutritional ergogenic aids and the benefit of sports nutrition strategies such as 'carbohydrate loading' will also be a focus. This unit of study has a strong practical emphasis so that in addition to the provision of a theoretical rationale for diet manipulation, students will be introduced to practical diet strategies to improve nutritional status and exercise performance. Students will have the opportunity to undertake a small field-based research project.

EXSS3049

Sport and Exercise Psychology

Credit points: 6 **Teacher/Coordinator:** Professor Mark Williams, Dr David Anderson **Session:** Semester 2 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Prerequisites:** BACH1161 Introductory Behavioural Health Sciences **Assessment:** Reading Quizzes (15%), Mid Semester Exam (25%), Project (25%), End of Semester Exam (35%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an introduction to the key psychological factors that influence sport, exercise and motor performance. Consideration is also given to how participation in physical activity influences psychological function and well being. A broad array of topics is covered, including: motivation, goal setting, behavioural modification, addiction, arousal, anxiety, imagery, attention and expert performance. Practical applications are made to teaching, coaching and rehabilitation for all ages and for all levels of skill. Special consideration is given to facilitating exercise adherence, youth sport participant and peak performance.

EXSS4004

Honours Thesis A

Credit points: 24 **Teacher/Coordinator:** Dr Kieron Rooney **Session:** Semester 1, Semester 2 **Classes:** Block mode Monday-Friday 9-5 weeks 1-13 **Assessment:** Continuous Assessment, Thesis Examination (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Honours students undertake a research project in an area of exercise and sport science. Each student designs and implements an approved research project, and submits a thesis describing the project and its implications. In completing the research thesis, the student works closely with an academic staff member who serves as the supervisor.

EXSS4005

Honours Thesis B

Credit points: 24 **Teacher/Coordinator:** Dr Kieron Rooney **Session:** Semester 1, Semester 2 **Classes:** Block mode Monday-Friday 9-5 weeks 1-13 **Prerequisites:** EXSS4004 Honours Thesis A **Assessment:** Continuous Assessment, Thesis Examination (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Honours students will complete their research projects and write a thesis describing the project and its implications. Students will continue to work closely with the academic staff member who is their supervisor.

HSBH1003

Health, Behaviour and Society

Credit points: 6 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1 **Classes:** 2hrs lecture, 1hr tutorial/week **Prohibitions:** BACH1130, BACH1132, BACH1133, BACH1134, BACH1161 **Assessment:** Group presentation (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an introduction to areas of behavioural and social sciences relevant to health and wellbeing. The unit lays the foundation of theory and method necessary for understanding how broad social

and organisational structures as well as individual characteristics and behaviours contribute to health and health inequalities.

HSBH1005

Human Development

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2 **Classes:** One 2-hour lecture per week **Assessment:** Essay 1,500 words (25%), Report, 2,000 words (35%), End Semester Exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study considers the important psychosocial and functional changes that occur across the lifespan from gestation to old age. Understanding Psychosocial factors of healthy human development is important for addressing our major national health priority areas. Such areas discussed are adolescent risk taking behaviour, mental health, cardiovascular disease, indigenous health, musculoskeletal disease, workplace injury, cancer, and other chronic diseases across the lifespan.

Textbooks

Gerrig, R.J., Zimbardo, P.G., Campbell, A.J., Cumming, S.R., and Wilkes, F.J. (2009). Psychology and Life: Australian Edition. Sydney: Pearson Education Australia.

HSBH1006

Foundations of Health Science

Credit points: 6 **Teacher/Coordinator:** Dr Alex Broom **Session:** Semester 1 **Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Tutorial attendance (10%), Presentation (15%), Literature review (25%), 2 hour final exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This is an introductory unit for students entering the health sciences. This unit aims to expose students to a range of definitions of health, and key concepts in health and health systems. Students will develop a range of core skills and competencies needed in the study and practice of health sciences and a basis for work practice in the health system or for postgraduate study. Topics include: What is health?; How is health status classified?; Biomedical, psychological and sociological aspects of health and health care; What 'should' a health care system do?; How do we measure health status in an individual, a community and a nation? An integrated sciences model of health care is explored which covers the five domains of biological, behavioural, cognitive, socio-cultural and environmental.

HSBH1007

Health Science and Research

Credit points: 6 **Teacher/Coordinator:** Dr Karen Pepper **Session:** Semester 1, Semester 2 **Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Research Report (40%), Final exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to key research paradigms in health, and to the major approaches to designing and evaluating basic and applied research in health. Students are exposed to the types of research which inform our understanding of normal and abnormal functions of the human body and of treatment and preventative health care. Students will be engaged in the generation of new knowledge through evidenced based practice and evidence based innovation. Current issues in health science research will be identified, with emphasis on the role of technology in health and e-health.

HSBH1008

Health Determinants and Interventions

Credit points: 6 **Teacher/Coordinator:** A/Prof Toni Schofield **Session:** Semester 2 **Classes:** 1 hr Lecture/wk, 1hr tutorial /wk **Assessment:** Multiple choice test (30%), In class discussion contribution (30%), Essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit has two components. Health Determinants will introduce students to the key factors determining health status in the Australian context. It will explore biomedical and genetic factors, acquired health behaviours, and social, cultural and environmental determinants of health status. Health and wellbeing will be explored through life expectancy, functioning, disability, illness, disease and injury. Initiatives to promote preventable hospitalisation and increased health and

wellbeing across population groups will be examined. Health Interventions outlines the distinction between primary and secondary prevention and examines the evidence base for a range of intervention strategies including public health, preventative and restorative health care. Traditional interventions to promote outcomes through prevention, health promotion, treatment, care, rehabilitation and counselling will be explored alongside complementary and alternative medical (CAM). Healthy ageing and age-related illness will be highlighted.

HSBH1009

Health Care Resources and Systems

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Health Care Activity (30%), Team Project (30%), Final exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit explores the organisation and structure of health care delivery systems. National and international frameworks regarding the provision of services to minority and culturally diverse groups, health care policy frameworks, and health care service structure and models of health care funding will be examined. Specifically, students will view the globalisation of health through human, material, financial, research, evaluation, monitoring, surveillance and technology. Issues of communication, advocacy and service delivery in teams will be examined. Safety and quality in health care systems will be highlighted.

Textbooks

Taylor S, Foster M and Fleming J. Health Care Practice in Australia: Policy, Context and Innovations, Oxford UP, South Melbourne (2008)

HSBH2003

Social Context of Dying and Bereavement

Credit points: 6 **Teacher/Coordinator:** Prof Glennys Howarth and Dr Sheila Harper **Session:** Semester 1 **Classes:** 13 x 1 hour lectures, 13 x 1hour seminars **Prerequisites:** Successful completion of all 1st year units in an undergraduate FHS degree. **Assessment:** 1 x 1500 word critical review (30%), 1x 3000 word essay (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this course is to introduce students to social sciences approaches to understanding death, dying and bereavement in society. A central theme of the course is how socially and culturally constructed values and ideas manifest themselves in social norms and in particular beliefs, practices and health care provision in the context of death, dying and bereavement. The unit will examine a range of theoretical perspectives on death, dying and bereavement and assess their usefulness for practice.

Textbooks

G.Howarth (2007), Death and Dying. A sociological introduction; Cambridge: Polity

HSBH3001

Health and Indigenous Populations

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 2 **Classes:** One 1-hour lecture per week, one 1-hour tutorial per week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Essay 1,000 words (25%), Group Presentation (35%), Case Study 1,500 words (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide students with an insight and respect for Indigenous perspectives on health and health care. This unit also explores established theories about health and illness from western and non-western perspectives.

The complexity of Aboriginal and Torres Strait Islander health in rural, remote and urban contexts in Australia will be explored. Health of other Indigenous populations outside Australia and their complexities provide a global focus across several cultures.

HSBH3002

Health Information Science

Credit points: 6 **Teacher/Coordinator:** Prof Robert Steele **Session:** Semester 1 **Classes:** 2hr lecture/week, 1hr tutorial, practical/week **Prerequisites:**

HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (10%), Online quiz's (10%), Group assignment (30%), Final exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will explore basic concepts in the e-Health field including data, information and knowledge in relation to the collection, use and storage of health information. The role of e-Health and health information systems from the perspective of how they can support health care practitioners will be covered. In addition, e-Health will be considered from the perspective of health consumers. Topics can include amongst others: web-based health information systems; legacy data in the Australian healthcare system; electronic health records and personal health records; structuring and searching health data and databases; point of care clinical systems. Consideration of informatics principles will be included.

HSBH3003

Health Service Strategy and Policy

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 2 **Classes:** Two 1hr lectures, 1hr tutorial/week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (10%), 1200 word assignment (40%), Final exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study offers students an insight into the larger picture of how a nation sets priorities for health services. The importance of evidence-based health policy development in planning health services will be highlighted. Strategies for increasing the cost-effectiveness of health services will be covered. Issues of communication and advocacy in health are portrayed. Students will gain skills in health service needs assessment, measuring cost-effectiveness, macroeconomic evaluation of health services and systems and health equity assessment.

HSBH3004

Health, Ethics and the Law

Credit points: 6 **Teacher/Coordinator:** Dr Rose Leontini **Session:** Semester 1 **Classes:** Two 1hr lectures, 1hr tutorial/week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (10%), Mid-semester exam (20%), Group project (50%) Final exam (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study outlines the legislative role of governments and the role of legislation in health and health services. Fundamental ethical principles applied to ethical issues in health and health research are covered. Medico-legal aspects of health and health services as well as standards and medico-legal privacy principles will be explored. Students will develop an understanding of professionally acceptable behaviours appropriate to practice in the health professions.

HSBH3005

Evidence Based Health Care

Credit points: 6 **Teacher/Coordinator:** Dr Alex Broom **Session:** Semester 2 **Classes:** 2hr lecture, 1hr tutorial/week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** 1500 word Essay (40%), Critical appraisal 2500 words (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will explore theoretical frameworks and practical applications of evidence based health care (EBHC) within the health professions. EBHC is an approach to health care practice in which the practitioner is aware of the evidence (based on research) that bears on practice, the strength of that evidence in the context of decision making regarding an individual client. This unit will also introduce students to the social, philosophical and historical underpinnings of EBHC, emphasising the importance of developing a critical understanding of the production, application and translation of 'evidence' in a range of healthcare contexts.

HSBH3006**Research Methods in Health**

Credit points: 6 **Teacher/Coordinator:** Dr Tatjana Seizova-Cajic **Session:** Semester 1 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Prohibitions:** Intermediate Statistics (BACH4043, BACH4055, BACH5253) **Assessment:** Group Discussion (P/F), Quiz (5%), In-class Assignment (10%), Report 1,000 words (20%), Report 2,000 words (30%), End Semester Exam (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to provide a foundation for critical appraisal of techniques used in health research. The major quantitative and qualitative techniques appropriate for analysing research data in an evidence-based practice environment will be studied.

HSBH3009**International Health Project**

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** One 2-hour lecture per week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Mid-semester Exam (50%), Report 3,000 words (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines health, illness and health care issues from international perspectives. The unit focuses on global burden of disease, global governance, structural adjustment program and ITRIP and their implications at national and international levels. It integrates organisational dimensions, changing patterns of global economy, restructuring of health care and socio-cultural approaches to international health. The unit uses both theoretical and practical approaches. The project will be selected from the WHO priority areas of health and global burden of disease. The project will focus on the following: global health problems and local solutions; burden of diseases, health care system and policy implementation from a global perspective; and the role of international organisations in health promotion.

Textbooks

Book of readings

HSBH3010**Health and Lifelong Disability**

Credit points: 6 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** 2 hrs Lecture/wk, 1hr Tutorial/wk **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Multimedia presentation (20%), Essay 2000 words (40%), Case based final exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will explore the roles and responsibilities of health professionals who work with children, adolescents and adults with lifelong physical and intellectual disabilities and their families. Using an interprofessional case-based curriculum, students will examine the nature of lifelong disability; factors which affect the participation of persons with lifelong disability in everyday life activities including education, leisure, and employment; and strategies for increasing their participation in these activities. Students will be supported to critique research literature, to examine the roles and responsibilities of allied health professionals in the context of working with persons with lifelong disability, and to develop practical strategies for interacting and working collaboratively and successfully with children, adolescents, and adults with lifelong disabilities, their families and fellow professionals. It is expected that through a combination of face-to-face teaching and online case-based learning activities, this unit will assist students in preparing to work with individuals with lifelong disabilities in a range of workplace settings.

HSBH3011**Rural Health**

Credit points: 6 **Teacher/Coordinator:** Ms Sheila Keane **Session:** Semester 1 **Classes:** Distance education mode, web-based learning: Week 1 lecture (2hrs) and mid-term workshop (4hrs) on-campus with mandatory attendance;

1hr tutorial/week by teleconference **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (20%), assignment (15%), Mid-term exam (30%), Case study (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit introduces students to issues in rural health care. Topics covered include the nature and varieties of rural lifestyles, impact of lifestyle on health status, population health perspectives, prevalence and distribution of common health conditions in rural Australia, rural health promotion, injury prevention and education, settlement and health care for refugees, Indigenous health services, community based health service delivery in rural settings, rural health workforce, eHealth, eLearning and eResearch for rural health practice, and innovation in health service delivery for example cross sector service coordination and interprofessional practice.

Textbooks

Liaw S & Kilpatrick S, A Textbook of Australian Rural Health, Australian Rural Health Education Network, Canberra (2008)

Available in hard copy from instructor at no charge. Also available online at http://www.arhen.org.au/docs/a_text_book_of_australian_rural_health_arhen_april_2008.pdf

HSBH3012**FHS Abroad**

Credit points: 6 **Teacher/Coordinator:** Dr Alex Broom **Session:** Semester 1, Semester 2 **Classes:** 4 x 2 hour briefing sessions, 1 x 2 hour debriefing session, and online learning activities **Prerequisites:** Successful completion of all 1st year units in an undergraduate FHS degree **Assessment:** 1x 2000 word reflective diary (30%), participation and contribution to on-line learning activities (20%) and discussion and 1x 3000 word report (50%) **Practical field work:** 4-6 weeks working with a non-government organisation in a developing country **Campus:** Cumberland **Mode of delivery:** Field Experience

Note: Department permission required for enrolment.

Cultural practices, disease patterns and healthcare systems are vastly different in different countries around the globe. This unit provides students with the opportunity to work with non-government organisations in a developing country for up to six weeks. Regions where students can be placed include South and South East Asia. As part of the unit students will be expected to participate in local development programs, live within the community that they are visiting, and document key health and development issues facing local populations. The Unit will require that students illustrate project management skills; develop an awareness of cultural issues facing individuals and organisations in their host country; and, illustrate their capacity to document and report on local health issues. Students are required to attend briefing and debriefing activities and complete online learning activities in addition to their field experience.

HSBH3013**FHS Indigenous Communities**

Credit points: 6 **Teacher/Coordinator:** A/Prof Michelle Lincoln **Session:** Semester 1, Semester 2 **Classes:** 4 x 2 hour briefing sessions, 1 x 2 hour debriefing session, and online learning activities **Prerequisites:** Successful completion of all 1st year units in an undergraduate FHS degree **Assessment:** 1x 1,000 word pre-placement briefing paper (20%), participation and contribution to on-line learning activities and discussion (20%) and 1x 3,000 word community development project report (60%) **Practical field work:** 4-6 weeks working in an Indigenous community **Campus:** Cumberland **Mode of delivery:** Field Experience

Note: Department permission required for enrolment.

Students will explore and analyse principles and practice relevant to community development with Indigenous communities. This non-clinical unit includes participation in a 4-6 week supervised placement in an Indigenous community subsequent to successful completion of cultural awareness and cross-cultural communication training conducted by a FHS partner organisation. Students will participate in a community-identified development project. Students are required to complete briefing and debriefing activities and on-line learning activities in addition to their fieldwork and written assessment.

HSBH3014**Workplace Injury Prevention/Management**

Credit points: 6 **Teacher/Coordinator:** Mark Halaki, Jo Lewis, Eva Schonstein **Session:** Semester 1 **Classes:** 2 hours lecture per week and 6 x 2 hour tutorials

Assumed knowledge: functional anatomy **Assessment:** 1 x 2 hour end of semester exam (50%), workplace assessment (group task) (30%), quizzes (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides a framework for exploring the role of health professionals in the field of occupational health and safety, with a focus on work injury prevention and early injury assessment and management. This unit will broaden student's knowledge of human tolerances to physical tasks performed across a spectrum of settings: the workplace, daily living and sport. An evidence-based, risk management approach will be used to explore the patterns, causation and management of workplace injury and illness, and associated legislation in NSW. Students will gain an understanding of the principles and practice of ergonomics, functional evaluations and task analysis and how these can be applied to the prevention of work injuries. To this effect, the role of the health professional as a consultant in the workplace will be discussed.

HSBM4001

Sexology/Sexual Hlth: Global Perspective

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon, Dr Russell Shuttleworth **Session:** Semester 1, Semester 2 **Classes:** Web based on Web CT/Blackboard platform. No on-campus attendance required. Equivalent to 2 one hour lectures per week **Assessment:** All assessments will be completed and submitted online. Group work contribution assessments (10%, 20%, 20%), two 650 word essays (20%), a 500-800 word reflective report on values and attitudes to sexology (30%) **Campus:** Cumberland **Mode of delivery:** On-line
Note: This unit of study will be offered as a University wide elective

The unit provides students with an overview of sexology as a science and a profession in a global context. Students will work in a multi professional, multicultural environment and develop an awareness of sexology and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries. Students will be sensitised to the range of sex attitudes and values in the community. The initial learning modules in the unit will introduce the students to the multidisciplinary nature of the study of sex. The students will then apply this multidisciplinary framework to a series of scenarios that explore issues of sexology at personal, family, community, country and global levels. These scenarios will include: sexual dysfunction and management through the lifecycle; issues of gender concerns including transgender and homosexuality; women's health including gender inequalities; HIV, AIDS and other sexually transmissible infections; adolescent sex education and sexual risk taking behaviour; sex in illness, people with a disability and the aged. Students will evaluate the most recent literature in the area and demonstrate the ability to discuss relevant issues in keeping with the definitions of sexual rights provided by the World Health Organisation (WHO) and the World Association of Sexology (WAS). All students will work in groups on two scenarios (the specific scenarios for the group work will vary depending on current national and global issues). Individual students will select two other scenarios to investigate independently. These individual assignments will have an experiential community based component. Sexuality and sexology is intrinsic to the wellbeing and quality of life of all people, and this unit of study would benefit students in all disciplines of the university.

Textbooks

Collected readings provided online

MATH1011

Applications of Calculus

Credit points: 3 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1111, MATH1001, MATH1901, MATH1906, BIOM1003 **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is designed for science students who do not intend to undertake higher year mathematics and statistics. It includes the fitting of data to various functions and demonstrates the use of calculus in optimisation problems. It extends differential calculus to functions of

two variables and develops integral calculus, including the definite integral and multiple integrals.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1015

Biostatistics

Credit points: 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1005, MATH1905, STAT1021, STAT1022, ECMT1010, BIOM1003 **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

MATH1015 is designed to provide a thorough preparation in statistics for students in the Biological and Medical Sciences. It offers a comprehensive introduction to data analysis, probability and sampling, inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

Textbooks

As set out in the Junior Mathematics Handbook

MBLG1001

Molecular Biology and Genetics (Intro)

Credit points: 6 **Teacher/Coordinator:** Dr Dale Hancock **Session:** Semester 2 **Classes:** Two 1-hour lectures per week; one 1-hour tutorial and one 4-hour practical per fortnight **Prohibitions:** AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871, MBLG1901 **Assumed knowledge:** 6 credit points of Junior Biology and 6 cp of Junior Chemistry **Assessment:** One 2.5-hour exam, in-semester skills test and assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The lectures in this unit of study introduce the "Central Dogma" of molecular biology and genetics -i.e., the molecular basis of life. The course begins with the information macromolecules in living cells: DNA, RNA and protein, and explores how their structures allow them to fulfill their various biological roles. This is followed by a review of how DNA is organised into genes leading to discussion of replication and gene expression (transcription and translation). The unit concludes with an introduction to the techniques of molecular biology and, in particular, how these techniques have led to an explosion of interest and research in Molecular Biology. The practical component complements the lectures by exposing students to experiments which explore the measurement of enzyme activity, the isolation of DNA and the 'cutting' of DNA using restriction enzymes. However, a key aim of the practicals is to give students higher level generic skills in computing, communication, criticism, data analysis/evaluation and experimental design.

MBLG2071

Molecular Biology and Genetics A

Credit points: 6 **Teacher/Coordinator:** Ms Vanessa Gysbers **Session:** Semester 1 **Classes:** Two 1-hour lectures per week; one 1-hour tutorial and one 4-hour practical per fortnight **Prerequisites:** MBLG1001 or MBLG1901 and 12 CP of Junior Chemistry. **Prohibitions:** MBLG2971, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, AGCH2001, BCHM2001, BCHM2101, BCHM2901 **Assessment:** One 2.5-hour exam, practical work, laboratory reports (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course (CHEM1101, BACH1161, BIOS1159, EXSS1018 CHEM1102, BIOS1133, BIOS1160, EXSS1033, MBLG1001) prior to enrolling in this unit.

This unit of study extends the basic concepts introduced in MBLG1001/1901 and provides a firm foundation for students wishing to continue in the molecular biosciences as well as for those students who intend to apply molecular techniques to other biological or medical questions. The unit explores the regulation of the flow of genetic information in both eukaryotes and prokaryotes. The central focus is on the control of replication, transcription and translation and how these processes can be studied and manipulated in the laboratory. The processes of DNA mutation and repair are also discussed. Experiments in model organisms are presented to illustrate current advancements in the field, together with discussion of work carried

out in human systems and the relevance to human genetic diseases. Tools of molecular biology are taught within the context of recombinant DNA cloning - with an emphasis on essential knowledge required to use plasmid vectors. The methods of gene introduction (examples of transgenic plants and animals) are also discussed along with recent developments in stem cell biology. Other techniques include the separation and analysis of macromolecules, like DNA, RNA and proteins, by gel electrophoresis and Southern, Northern & Western blotting. Analysis of gene expression by microarrays is also discussed. In the genomics section, topics include structure, packaging and complexity of the genome: assigning genes to specific chromosomes, physical mapping of genomes as well as DNA and genome sequencing methods and international projects in genome mapping.

The practical course complements the theory and builds on the skills learnt in MBLG1001. Specifically students will: use spectrophotometry for the identification and quantification of nucleic acids, explore the lac operon system for the investigation of gene expression control, perform plasmid isolation, and complete a PCR analysis for detection of polymorphisms. As with MBLG1001, strong emphasis is placed on the acquisition of generic and fundamental technical skills.

Textbooks

Watson, J et al. Molecular Biology of the Gene. 5th edition. Pearson. 2004 or 6th edition. Pearson. 2008.

MRTY1031

Medical Radiation Physics

Credit points: 6 **Teacher/Coordinator:** Dr John O'Byrne, Dr Elaine Ryan **Session:** Semester 1 **Classes:** 2hrs lectures, 1hrs tutorials/week and directed independent learning **Assumed knowledge:** HSC Physics, 2 unit Maths **Assessment:** Two stream specific tests (10% ea), 1hr MCQ/SAQ class test (30%), 2hr end semester MCQ/SAQ exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students without the assumed knowledge are strongly advised to enrol in the Foundation Mathematics and Physics Bridging Courses offered prior to the commencement of Semester 1.

MRTY1031 is a Junior level unit designed specifically for students enrolled in the Bachelor of Applied Science (MRS) Diagnostic Radiography. It provides a basic knowledge and understanding of concepts in physics relevant to the use of ionising radiation in medicine - specifically X-rays. It presents an examination of the structure of matter, types of ionising radiation and their interactions with matter, all within the context of medical imaging and therapy.

Textbooks

Graham & Cloke, Principles of Radiological Physics (4th ed), (2003)

MRTY1032

Preparation for Practice

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1 **Classes:** 2hrs lectures, 4x2hr prac during semester and directed independent learning **Assessment:** Clinical assessment (20%), clinical assignment (20%), 2hr final exam (60%) **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication and fundamental discipline specific practice **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: The clinical placement component will be undertaken during semester break and must be completed prior to Semester 2

This unit of study introduces the student to the key generic components of professional practice, patient care, communication skills and ethical behaviour. Students will also be introduced to their discipline specific practice, which will include a short clinical placement.

Textbooks

Discipline specific text

MRTY1033

Radiographic Practice 1

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 2 **Classes:** One 2-hour lecture per week, one 2-hour tutorial per fortnight. Conducted weeks 1-13, semester 2 **Prerequisites:** MRTY1032 Preparation for Practice **Assessment:** Class tests 1 (20%), Class test 2 (20%), End semester exam (60%) **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication and fundamental discipline specific practice **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study integrates knowledge from both basic and applied clinical sciences and focuses on the radiographer and the patient. Professional practice and personal development issues are considered at the same time as designated techniques. This unit of study will introduce the student to the basic principles of radiography. This unit will also provide students with the knowledge and skills to perform radiographic examinations of the chest, upper and lower limbs and abdomen.

Textbooks

Bontrager and Lampignano Textbook of Radiographic Positioning and Related Anatomy.(7th edition)

MRTY1036

Health Physics and Radiation Biology

Credit points: 6 **Teacher/Coordinator:** Dr John O'Byrne **Session:** Semester 2 **Classes:** One 2-hour lecture, one 1-hour tutorial and one 2-hour lab per week, and directed independent learning **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Pre-lecture quizzes (2%), Workshop tutorials (8%) Studio/lab sessions (20%) Assignments (10%) Mid-semester test (10%) End-of-sem. exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

MRTY1036 is a Junior level unit designed specifically for students enrolled in the Bachelor of Applied Science (MRS) Diagnostics Radiography. It provides a basic knowledge and understanding of concepts in radioactivity and ultrasound, laying the foundation for understanding ultrasonic transducers, cyclotrons and radiation detectors. It also explores the effects of ionising and non-ionising radiation on biological systems, including implications for radiological protection.

MRTY2080

Radiographic Practice 2.1

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1033 Radiographic Practice 1 **Assessment:** 2x60 minute MCQ class test (2x20%), OSCE (20%) and 2 hour examination (40%) **Practical field work:** Practical classes will provide students with experience in patient care, practitioner-patient communication, radiographic positioning and appropriate anatomy and pathology recognition. The tutorial classes will focus on the development of a clinical knowledge through the use of clinical scenarios **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit of study the student will investigate radiographic techniques and study the roles of additional imaging modalities in the diagnosis of trauma, injury and disease, in particular, of the musculoskeletal system. The unit of study is divided into modules focusing on designated regions and will generate an inquiry-based learning in the student with class presentations forming a 'wrap-up' seminar for each module. Aspects covered within each module will include patient preparation, contrast media administration, technical considerations, radiographic pathology, with the routine protocols being supported by evidence drawn from reference articles. Practical: practical classes will provide students with experience in patient care, practitioner patient communication, radiographic positioning and appropriate anatomy and pathology recognition. The tutorial classes will focus on the development of a image critiquing skills through the use of a library of images and clinical scenarios.

Textbooks

Bontrager and Lampignano Textbook of Radiographic Positioning and Related Anatomy.(7th edition)

MRTY2081

Clinical Education 2.1DR

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** Clinical Monday-Friday 9-5 conducted 6 weeks prior to start of Semester 1 or at a time to be negotiated in Semester 2. **Prerequisites:** MRTY1033 Radiographic Practice 1 **Assessment:** Clinical departmental assessment (25%), written case studies (50%), university supervisor assessment (25%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the chest and extremities. Students are required to reflect upon their professional role and acquire competencies in general skeletal and chest radiography.

Textbooks

Students are supplied with a clinical workbook specific to their UoS

MRTY2082 Radiographic Physics 2

Credit points: 6 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 1 **Classes:** 2hrs/week lectures, 1hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Practical or assignment (20%), mid semester exam (30%), final exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student to the construction, design and operation of general radiographic equipment. Sections on conventional tomography, computerised tomography, computed radiography, digital radiography and MRI are included.

Textbooks

Seeram, Computed Tomography (3rd ed), (2009)
Bushong, Radiologic Science for Technologists (9th ed), (2009)
Wolbarst, The Physics of Radiology (2nd ed), (2005)
Curry et al, Christensen's Physics of Diagnostic Radiology (4th ed), (1990)

MRTY2089 Integrated Diagnosis and Treatment

Credit points: 6 **Teacher/Coordinator:** Dr Peter Kench **Session:** Semester 2b **Classes:** One 4-hour lecture per week and directed independent learning. Conducted weeks 6-12 inclusive, Semester 2. **Assessment:** Group assignment 2,000 words (20%), group presentation (30%), individual exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will develop an appreciation of the applications of diagnostic imaging modalities to different disease states. The relationship of appropriate therapy will be incorporated together with relevant ethical and radiation implications for the patient and health professional.

Textbooks

Students are supplied with online reading material

MRTY2090 Clinical Education 2.2DR

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** On-campus and clinical centre, 35hrs/week for 6 weeks **Prerequisites:** MRTY2081 Clinical Education 2.1DR **Assessment:** Clinical departmental assessment (50%), written case studies (30%), two radiographic health assessments (20%) **Practical field work:** Clinical placement of 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the pelvic girdle, spine and skull/face, whilst consolidating their general skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in skeletal, spinal and skull radiography.

Textbooks

Students are supplied with a clinical workbook specific to their UoS

MRTY2091 Clinical Education 2.3DR

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** On-campus and clinical centre, 35hrs/week for 6 weeks **Prerequisites:** MRTY2081 Clinical Education 2.1DR **Assessment:** Clinical departmental assessment (50%), two student initiated clinical assignments (10%), OSCE (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the renal and GIT systems whilst consolidating their skills in pelvic girdle, spine, skull/face and skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in GIT, renal, skeletal, spinal and skull radiography.

Textbooks

Students are supplied with a clinical workbook specific to their UoS

MRTY2092 Radiographic Practice 2.2

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2b **Classes:** One 4-hour lecture per week, one 2-hour tutorial per week and directed independent learning. Conducted weeks 6-12 inclusive. **Assessment:** Class test one 45 MCQ test (20%), class test two 45 MCQ test (20%), OSCE assessment (20%), portfolio 2,500 words (40%) **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication, radiographic positioning and appropriate anatomy and pathology recognition. The tutorial classes will focus on the development of a clinical knowledge through the use of clinical scenarios **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study integrates knowledge from both basic and applied clinical sciences and focuses on the radiographer and the patient. Professional practice and personal development issues are considered at the same time as designated techniques. In this unit of study the student will investigate radiographic techniques and study the roles of additional imaging modalities in the diagnosis of trauma, injury and disease, in particular, of the axial skeleton and the internal body systems. The unit of study is divided into modules focusing on designated regions and will be delivered using inquiry-based learning. Aspects covered within each module will include patient preparation, contrast media administration, technical considerations, radiographic pathology, with the routine protocols being supported by evidence drawn from reference articles.

Textbooks

Ballinger PWP & Frank ED, Merrill's Atlas of Radiographic Positions and Radiologic Procedures, Mosby, St Louis

MRTY3099 Research in Medical Radiation Sciences

Credit points: 6 **Teacher/Coordinator:** A/Prof Roger Fulton **Session:** Semester 1 **Classes:** One 2-hour lecture per week and one 1-hour tutorial per fortnight. Weeks 1-13 semester 2 **Corequisites:** BACH2140 Research Methods for Health Sciences **Assessment:** Group assignment 1 (40%), Group assignment 2 (40%), On-line assessment (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Assessment is based on group work and peer evaluation

This unit introduces the students to the role of research within the medical radiation sciences. Students will be able to select a research topic and develop hypotheses and aims. The development of a research plan is central to the unit, with emphasis on constructing an appropriate methodology for the topic and aims of the project. Skills will be developed in identifying and critical evaluation of current research articles resulting in a literature review appropriate for ethics application and introducing the research topic. Students will complete an application for human ethics approval and work in groups to foster a team approach to research.

MRTY3100 Digital Imaging

Credit points: 6 **Teacher/Coordinator:** Dr Roger Bourne **Session:** Semester 2 **Classes:** 2hr lecture/week, 2hr/fortnight practicals - attendance at practicals is optional **Assumed knowledge:** Discipline specific Physics 2 (MRTY2082 Radiographic Physics 2 or MRTY2084 Nuclear Medicine Physics 2 or MRTY2087 Radiation Therapy Physics 2), MRTY2089 Integrated Diagnosis and Treatment **Assessment:** Mid semester test (25%), practical assessment (25%), final exam (50%) **Practical field work:** Practical classes will provide students with experience in image processing **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to develop an understanding of imaging theory, digital image processing, and storage systems as they apply to medical imaging.

Textbooks

Discipline specific recommended text

MRTY3101

Ethics, Law and Professional Practice

Credit points: 6 **Teacher/Coordinator:** Noeline Monaghan **Session:** Semester 2 **Classes:** One 2-hour lecture per week **Assumed knowledge:** MRTY1032 Preparation for Practice **Assessment:** Group discussion paper 1 (20%), Group discussion paper 2 (30%), Independent portfolio (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit consolidates and extends students learning of ethical, legal and professional practice in the medical radiation sciences. Theoretical aspects of ethics and law relating to the health sciences will be integrated with applied cases. Students will be required to identify and reflect on professional aspects of MRS practice and be aware of what it takes to work at a high professional standard. Students will become familiar with documents relating to their professional practice such as codes of conduct and licensing, and be able to use these documents in their ethical decision making.

Textbooks

Forrester K and Griffiths D, Essentials of Law for Health Professionals (2nd ed), Elsevier Australia, Mosby, Sydney (2003)

MRTY3105

Radiographic Practice 3

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 1 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per fortnight **Assumed knowledge:** MRTY2092 Radiographic Practice 2.2, MRTY2091 Clinical Education 2.3DR **Assessment:** MCQ class test (30%), One 2-hour exam (70%) **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication and fundamental discipline specific practice **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study integrates knowledge from both basic and applied clinical sciences and focuses on the radiographer and the patient. Professional practice and personal development issues are considered at the same time as designated techniques. In this unit, the student will investigate specialised radiographic techniques and study the roles of additional imaging modalities in the diagnosis and management of trauma, injury and disease. Trauma imaging, CT, MRI, angiography, mammography and contrast media examinations (not previously covered in Radiographic Practice 2.1 or 2.2) will form the basis of lectures and tutorials for this semester. Aspects covered will include patient preparation, contrast media administration, technical considerations, radiographic pathology and routine protocols for the specialised modalities discussed.

MRTY3106

Clinical Education 3DR

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** On-campus and clinical centre **Prerequisites:** MRTY2091 Clinical Education 2.3DR, MRTY2092 Radiographic Practice 2.2 **Assessment:** Clinical departmental assessment (25%), written case studies (50%), OSCE (25%) **Practical field work:** Clinical placement of 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit, students will practice the radiographic skills basic to anatomical areas such as the renal and GIT systems whilst consolidating their skills in pelvic girdle, spine, skull/face and skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in GIT, renal, skeletal, spinal and skull radiography.

Textbooks

Students are supplied with a clinical workbook specific to their UoS

MRTY3107

Radiographic Physics 3

Credit points: 6 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 2 **Classes:** Three 1hr lectures, 2hr practical/tutorial or self-directed learning/week **Assumed knowledge:** MRTY2082 Radiographic Physics 2 **Assessment:** Mid semester exam (20%), Wk 10 exam (20%), final group assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study covers quality assurance, dose control and image quality optimisation for various imaging modalities. These include advanced CT, DSA and MRI. This unit will also look at how image display and observation affect the diagnostic outcome.

Textbooks

Seeram, Computed Tomography (3rd ed), (2009)
Bushong, Radiologic Science for Technologists (9th ed), (2009)
Wolbarst, The Physics of Radiology (2nd ed), (2005)
Curry et al, Christensen's Physics of Diagnostic Radiology (4th ed), (1990)

MRTY3108

Nuclear Medicine Practice 3

Credit points: 6 **Teacher/Coordinator:** Dr Peter Kench **Session:** Semester 1 **Classes:** One 4-hour lecture per week, one 3-hour practical per fortnight **Assumed knowledge:** MRTY2095 Nuclear Medicine Practice 2.2, MRTY2094 Clinical Education 2.3NM **Assessment:** Report and practical assessments (40%), One 2-hour final exam (60%) **Practical field work:** Practical classes will provide students with experience in procedures, computer and radiopharmacy **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status

This unit of study examines a number of body systems and the application of radiopharmaceuticals in nuclear medicine imaging and therapeutic procedures. It provides a study of the pathophysiology and altered radiopharmaceutical bio-distributions and the variations of imaging procedures and interpretation that may be undertaken. Further theoretical aspects of acquisition, non-imaging procedures and radiopharmaceutical use and quality assurance will be developed.

Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY3109

Clinical Education 3NM

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement (6 weeks) **Prerequisites:** MRTY2093 Clinical Education 2.2NM, MRTY2094 Clinical Education 2.3NM **Prohibitions:** Failure to have the following will result in a removal from clinical placement: criminal record check, personal radiation monitor, immunity status record, student identification badge **Assessment:** Final clinical assessment (55%), Clinical achievement manual (10%), Field trip reports (15%), Oral presentation (20%) **Practical field work:** 35hrs/week for 6 weeks, off-campus, split in two 3 weeks blocks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: All the required clinical achievements must be completed to pass this unit

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in nuclear medicine procedures. Students will be required to demonstrate a range of skills, attributes and knowledge at a level that meets the requirements for an entry level practitioner.

Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY3110

Nuclear Medicine Physics 3

Credit points: 6 **Teacher/Coordinator:** Professor Dale Bailey **Session:** Semester 2 **Classes:** 2hr lecture, 2hr practical, tutorial/week **Assumed knowledge:** MRTY2084 Nuclear Medicine Physics 2 **Assessment:** Satisfactory performance of practicals (attendance required) (20%), major assignment (30%), final exam (50%) **Practical field work:** Practical classes will provide students exercises in image reconstruction, cyclotron operation and radiation safety in departmental/laboratory design **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to complete the student's knowledge of instrumentation and analytical tools in contemporary nuclear medicine. Advanced

issues in SPECT, especially corrections for quantitative imaging, lead on to an in-depth treatment of positron emission tomography (PET). The physical principles of cyclotrons and nuclear magnetic resonance are introduced, along with extension to complementary imaging to MRI. Other nuclear techniques such as spectroscopy and whole body counting methods are covered. Finally, there is a discussion on aspects of radiation safety, regulatory issues, and departmental design.

Textbooks

Cherry SR, Sorenson JA and Phelps ME, Physics in Nuclear Medicine (3rd ed), Saunders (2003)

MRTY3111

Radiation Therapy Practice 3.1

Credit points: 6 **Teacher/Coordinator:** Ms Danielle Milinkovic **Session:** Semester 1 **Classes:** One 2-hour lecture per week, one 1-hour practical per week and independent research, group discussion forums **Assumed knowledge:** MRTY2098 Radiation Therapy Practice 2.2 **Assessment:** Group presentation work (10%), Class test, (40%), Final exam (50%) **Practical field work:** Practical classes will provide students with experience in using two and three dimensional radiation therapy planning computers to plan complex radiation therapy treatment techniques **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study applies the knowledge gained in MRTY2098 Radiation Therapy Practice 2.2 to more complex routine radiation therapy procedures. It will concentrate on the acquisition of knowledge and skills to enable the student to satisfactorily plan, calculate and treat supraclavicular and axilla, multi-field thorax and mini mantle techniques. Physics and oncology modules will be presented to encourage a more holistic understanding of each planning technique. Advances in radiation therapy planning and the role of the radiation therapist as a supporter of psychosocial health and educator of the patients will also be covered.

Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)
Online web based materials

MRTY3112

Clinical Education 3RT

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 1, Semester 2 **Classes:** Clinical placement Mon-Fri 9-5 for 6 weeks **Prerequisites:** MRTY2086 Radiation Therapy Practice 2.2, MRTY2097 Clinical Education 2.3RT **Assessment:** Case study (20%), Final clinical assessment (55%), Clinical achievement manual (25%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: Current cardiopulmonary resuscitation certificate, satisfactory criminal record check, a NSW Child Protection Prohibited Employment declaration completed, acquisition of a personal radiation monitor, a record of evidence of current immunity status

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in four-field breast and multi-field thorax techniques.

Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (3rd ed), Mosby, St Louis (2008)

MRTY3113

Radiation Therapy Practice 3.2

Credit points: 6 **Teacher/Coordinator:** Ms Danielle Milinkovic **Session:** Semester 2 **Classes:** One 2-hour lecture per week, one 1-hour practical per week and independent research, group discussion forums **Prerequisites:** MRTY2087 Radiation Therapy Physics 2 **Assumed knowledge:** MRTY3111 Radiation Therapy Practice 3.1 **Assessment:** Written report (20%), Group presentation (25%), Final exam (55%) **Practical field work:** Practical classes will provide students with experience in using two and three dimensional radiation therapy planning computers to plan complex radiation therapy treatment techniques **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study applies the knowledge gained in MRTY2086 Radiation Therapy Practice 2.1 and MRTY2098 Radiation Therapy

Practice 2.2 to more complex routine radiation therapy procedures. It will concentrate on the acquisition of knowledge and skills to enable the student to satisfactorily plan, calculate and treat maxillary/antrum and Parotid techniques. Physics and oncology modules will be presented to encourage a more holistic understanding of each technique. Advances in radiation therapy planning in all of these areas will be addressed. Oncology principles and the role of the radiation therapist as a supporter of psychosocial health and educator of the patients will also be covered.

MRTY3115

Introductory Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1 **Classes:** 2hr lecture/week, 1hr practical class/fortnight **Assumed knowledge:** BIOS1155 Structure, Function and Disease A, BIOS1158 Structure, Function and Disease B **Assessment:** 30min MCQ/SAQ class test (15%), 45min mid semester MCQ/SAQ class test (20%), 2hr end semester MCQ/SAQ exam (65%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study assumes the student to be familiar with cross-sectional anatomy images

This unit of study provides an introduction to the physical principles of ultrasound and the clinical applications and practice of diagnostic ultrasound in the abdomen, obstetrics and gynaecology, musculoskeletal and vascular systems.

Textbooks

No set textbook. Useful references are:

Hagen-Ansert SL, Textbook of Diagnostic Ultrasonography, Mosby Elsevier, St Louis (2006)

Hedrick WR, Starchman DE & Hykes DL, Ultrasound Physics And Instrumentation, Elsevier Mosby, St. Louis, (2005)

Hofer M, Ultrasound Teaching Manual: The Basics Of Performing And Interpreting Ultrasounds Scans, Thieme, Stuttgart (2005)

Rumack CM, Wilson SR & Charboneau JW, Diagnostic Ultrasound, Elsevier Mosby, St Louis (2005)

Tempkin BB & Curry RA, Sonography: Introduction to Normal Structure and Function, Saunders, St Louis (2004)

MRTY3116

CT for Nuclear Medicine Technologists

Credit points: 6 **Teacher/Coordinator:** Dr Peter Kench **Session:** Semester 2 **Classes:** One 1-hour lecture per week with directed independent work, weeks 1-13, Semester 2. **Assessment:** One portfolio submission (30%), second portfolio submission (30%), 2500 word written assignment (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study assumes the student to be familiar with cross-sectional anatomy images and have knowledge of the fundamental physics of computed tomography (CT)

This unit of study develops the knowledge and understanding of computed tomography (CT) as it applies to nuclear medicine. The focus will be on ensuring quality nuclear medicine CT studies and a high standard of radiation safety. The unit will address radiographic principles and radiation safety; CT instrumentation design and image reconstruction methods; CT scan acquisition and impact of scan parameters on patient dose; attenuation correction and co-registration in nuclear medicine CT systems; and quality control.

Textbooks

Seeram E, Computed Tomography (2nd ed), Elsevier, St Louis (2007)

MRTY3117

Diagnostic Imaging for Rad Therapists

Credit points: 6 **Teacher/Coordinator:** Dr Mamoon Haque **Session:** Semester 2 **Classes:** Off-campus mode: no on-campus attendance required **Assessment:** 1500 word assignment (45%), 2500 word assignment (55%) **Assessment:** WebCT discussion (10%), 1500 word assignment (35%), 3000 word assignment (55%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study provides the radiation therapist with an understanding and overview of the principles underlying a range of imaging modalities. These modalities include planar radiographs, CT, MRI, SPECT, PET and ultrasound. The advantages and limitations of using each modality in radiation therapy practice will be addressed.

Textbooks

Bushong SC, Radiologic Science for Technologists: Physics, Biology and Protection (8th ed), Elsevier, St Louis (2004)

MRTY3118**MR Theory Applications**

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 2 **Classes:** 2hr/wk lecture for 4 weeks, 2 hr group meetings for 8 weeks **Assessment:** Group work. Group presentation (30 mins) 50%, unit reflection (individual) 10%, progress report (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study addresses the applications of MRI in the imaging of MSK and CNS diseases on patients. The areas addressed will be image contrast, factors affecting image formation and pulse sequences used from spin echo (SE) to echo planar imaging (EPI). The applications of MRI in medical imaging will be addressed with the effects of signal-to-noise ratio (SNR), fat saturation, artefacts and flow effects being discussed. The biological effects and aspects of patient safety will be addressed in the unit of study.

MRTY4032**Honours Thesis 1A**

Credit points: 24 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 1 **Classes:** One 1-hour meeting with nominated supervisor per fortnight, two 2-hour seminars on research methods, four 3-hour research forums 24-hours independent research **Assessment:** Research proposal (50%), Literature review (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a supervised research study in an area of medical radiation sciences. Each student will design and implement an approved research study and submit a thesis describing the study and its implications. While completing the research and thesis, each student will work closely with the academic staff member who is their supervisor.

MRTY4033**Honours Thesis 1B**

Credit points: 24 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 2 **Classes:** One 1-hour meeting with nominated supervisor per fortnight, four 3-hour research forums and 24-hours independent research **Assessment:** Assignment (60%), Oral presentation (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a supervised research study in an area of medical radiation sciences. Each student will design and implement an approved research study and submit a thesis describing the study and its implications. While completing the research and thesis, each student will work closely with the academic staff member who is their supervisor.

MRTY4034**Honours Thesis A**

Credit points: 12 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 1 **Classes:** 12-hours independent research per week, meetings with supervisor when required **Assessment:** Continuous plus oral and thesis examination (100%). All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

MRTY4035**Honours Thesis B**

Credit points: 12 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 2 **Classes:** 12-hours independent research per week, meetings with supervisor when required **Assessment:** Continuous plus oral and thesis examination (100%). All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the

project and its implications. In completing the research thesis, the student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

MRTY4036**Honours Thesis C**

Credit points: 12 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 1 **Classes:** 12-hours independent research per week, meetings with supervisor when required **Assessment:** Continuous plus oral and thesis examination (100%). All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

MRTY4037**Honours Thesis D**

Credit points: 12 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 2 **Classes:** 12-hours independent research per week, meetings with supervisor when required **Assessment:** Continuous plus oral and thesis examination (100%). All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

NUTR3911**Nutritional Assessment Methods**

Credit points: 6 **Teacher/Coordinator:** Ms Katherine Jukic **Session:** Semester 1 **Classes:** Lectures/tutorials/labs/workshops average 4 hours per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** One 2-hour exam, 4 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study covers Dietary Assessment Methods: purposes of dietary assessment; uses of dietary data; four key dietary assessment methods and their use, application, strengths, weaknesses, sources of measurement error; quantification of portion and serve sizes; evaluation of dietary data; use and application of dietary reference standards; food composition databases; and the appraisal and interpretation of dietary assessment methods in published literature.

This unit of study also covers Anthropometry, Body Composition & Nutritional Biochemistry: anthropometric and body composition methods for the assessment of nutritional status; reference standards for assessing body composition; anthropometric measurements; biochemical and haematological indices for nutritional assessment.

Textbooks

Gibson, RS. Principles of Nutritional Assessment. 2nd edition. Oxford University Press. 2005.

NUTR3912**Community and Public Health Nutrition**

Credit points: 6 **Teacher/Coordinator:** Ms Katherine Jukic, Ms Sue Amanatidis **Session:** Semester 2 **Classes:** Two 1-hour lectures and averaging one 3-hour workshop/tutorial/presentation per week **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2-hour exam and 2 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study covers topics such as: nutrition through the life cycle from infancy to old age; nutrition in vulnerable groups; and theories of food habits. It helps students gain skills and knowledge in planning, implementing and evaluating nutrition health promotion programs for

various population groups. Topics covered include: principles of health promotion, effective nutrition promotion strategies, program evaluation and program planning. This course also looks at current public health nutrition strategies and case studies for promoting health and preventing diet-related diseases.

Textbooks

Lawrence, M, Worsley, T. Public Health Nutrition - From Principles to Practice. Allen & Unwin. 2007. Hawe, P, Degeling, D, Hall, J. Evaluating Health Promotion: A Health Worker's Guide. McLennan and Petty. 1990.

NUTR3921

Methods in Nutrition Practice

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 1 **Classes:** One 2-hour lecture and averaging one 3-hour tutorial/workshop per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** One 2.5-hour exam and 2 assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study covers basic concepts in: Survey & Questionnaire Design (data collection methods, designing surveys and research protocols, designing and piloting short questionnaires, focus groups); Nutritional Epidemiology (hypothesis, study designs, epidemiological measures and methods, sources of bias, critical appraisal of published data/literature); and Statistics (statistical methods, statistical packages, statistics terminology).

Textbooks

Bonita, R, Beaglehole, R, Kjellstrom, T. Basic Epidemiology. 2nd edition. World Health Organisation. 2005. Lawrence, M, Worsley, T. Public Health Nutrition - From Principles to Practice. Alkfen and Unwin. 2007.

NUTR3922

Nutrition and Chronic Disease

Credit points: 6 **Teacher/Coordinator:** Ms Katherine Jukic, A/Prof Margaret Allman-Farinelli **Session:** Semester 2 **Classes:** Two 1-hour lectures and averaging one 3-hour workshop/tutorial per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2.5-hour exam, and two assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines the relationship and evidence for the role of nutrition in the etiology of chronic diseases, such as cancer, coronary heart disease, hypertension, obesity, dental caries and osteoporosis. It also investigates the current nutrition policies and guidelines that are aimed at preventing these diseases at a population level. Students will also get an opportunity to examine the current popular fad diets on the market, and develop a foundation of knowledge in debating, media, communication and counselling skills.

Textbooks

Mann, J, Truswell, AS. Essentials of Human Nutrition. 3rd edition. Oxford University Press. 2007. Truswell AS. ABC of Nutrition. 4th edition. BMJ Books. 2003.

NUTR4001

Clinical Nutritional Science A

Credit points: 24 **Teacher/Coordinator:** Ms Wendy Stuart-Smith **Session:** Semester 1 **Classes:** 24 hours per week consisting of lectures, practical classes and tutorials. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit of study may commence as early as mid February.

Students enrolled in the Honours program study various advanced aspects of clinical nutritional science. The program may include lectures, tutorials, seminars and practicals. Assessment will include projects, examination, assignments, and may include classwork.

NUTR4002

Clinical Nutritional Science B

Credit points: 24 **Teacher/Coordinator:** Ms Margaret Nicholson **Session:** Semester 2 **Classes:** 20 week full time attendance of practical placement at clinical/community/food service sites. **Assessment:** Practical work, assignments and attendance (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit of study will commence prior to the start of semester.

All students must achieve competency in the 3 areas of clinical, community and food service dietetics. Students undertake dietetic clinical training at two or more hospitals. Community placements occur at community nutrition centres, public health units and food industry sites. Food service placements are usually part of a hospital food service department or other suitable site. The semester is of 20 weeks duration and placement starts early (usually late June) to accommodate this.

NUTR4101

Nutrition Research A

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Students enrolled in the Honours program study various advanced aspects of nutrition research. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examination and classwork.

NUTR4102

Nutrition Research B

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** NUTR4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

See NUTR4101

NUTR4103

Nutrition Research C

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** NUTR4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

See NUTR4101

NUTR4104

Nutrition Research D

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** NUTR4103 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

See NUTR4101.

OCCP1096

Understanding Occupation-People-Context

Credit points: 6 **Teacher/Coordinator:** Ms Jane Gamble **Session:** Semester 1 **Classes:** 2hr lecture, 2hr tutorial/week and self-directed learning **Assessment:** Interview and Report / Essay - 4,000 words (70%) Group Case Study presentation with handout (2 pages back to back) (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The process of understanding and appreciating occupations of people in context (that is, participation in meaningful and purposeful daily life activities within diverse environments) is a fundamental skill necessary for occupational therapy practice. Using a client-centred perspective to explore participation in day-to-day activities, students will investigate various perspectives of human occupation across the lifespan and develop the therapeutic communication and observation skills to discover where, when, how and why people from different backgrounds occupy their time. Students will use various methods of systematic analysis (activity, task and environmental analysis), to develop the skills to identify and enhance the inherent therapeutic potential of activities for children, youth and adults. In doing so, students will learn: How do I explore how people (with or without health conditions) participate in daily life activities? How do I find out about the activities and routines in which persons of different ages and cultures participate? How do I use observation and analysis of activities to determine how well people perform occupations? What processes do I use to understand and appreciate the association between what people do in day-to-day life and their health and quality of life?

OCCP1097**Occ Performance: Self-Care & Mobility**

Credit points: 6 **Teacher/Coordinator:** Dr Judy Ranka **Session:** Semester 1 **Classes:** 2 x 1hr lecture/wk, 2hrs tutorial/wk **Assessment:** Occupation Analysis : Individual 1,500 words (40%) Performance Analysis : Individual 2,000 words (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Self-care encompasses all the daily life personal care and mobility occupations one performs to live autonomously. When the capacity to carry out these occupations is reduced, an impact on one's sense of personal competence, dignity and esteem may be observed. Fundamental to occupational therapy practice is the ability to use analysis of tasks, activities and performance, and apply this to design and implement methods to enable successful performance of self-maintenance and mobility occupations. Using various methods of systematic analysis, students will develop the skills to identify and enhance the inherent therapeutic potential of activities for children, youth and adults. In doing so, students will learn: How do I figure out what enables (and hinders) people's participation in and performance of self-care and mobility activities? How do I identify environmental factors that influence people's performance in activities? How do I structure and adapt self-care and mobility activities including use of special equipment, so they possess greater therapeutic potential all persons, regardless of the presence of a health condition?

OCCP1099**Occupational Performance: Healthcare 1**

Credit points: 6 **Teacher/Coordinator:** Dr Chris Chaparo **Session:** Semester 2 **Classes:** 1hr lecture/wk, 2 x 2hr tutorials/wk **Assessment:** Practical portfolio comprising: ROM, UL MMT, Grasp and pinch, LL mobility, Measure of activity heart rate, UL sensory assessment, Biweekly activity log. Orthosis and self critique (40%) Case Study assignments (2) (5,000words total) (2x30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For adults who experience significant challenges to daily life activities due to physical disability, and receive intensive services within physical health (and related) settings, occupational therapy is essential to enhancing, restoring, or maintaining performance of the primary activities necessary for returning to the community (e.g., performing self-care, mobility and other occupations) and for helping families and others to address day-to-day challenges that arise. Mindful of a client-centred approach, students will acquire basic assessment, intervention, and evaluation skills relevant for adults with physical health disorders contexts, and will begin assuming the role occupational therapists perform within interdisciplinary healthcare teams that address physical disabilities. In doing so, students will learn: What occupational therapy processes do I use when the performance of a person of self-care and mobility activities is significantly challenged by their physical capacity? Within physical health care settings, how do I help enhance, restore, or maintain physical aspects of performance in daily life activities of concern? How do I incorporate a client-centred approach within health care systems? How do I help clients and families address current and future challenges related to daily life?

OCCP1100**Professional Practice 1**

Credit points: 6 **Teacher/Coordinator:** Ms Jane Gamble **Session:** Semester 2 **Classes:** 1hr lecture/wk plus 1hr lecture (one week only) **Assessment:** SPEC-R (50%) Presentation - 1 page Individual teaching reflective task - Group - workshop seminar (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Establishing a professional identity and integrating practice with theory is essential to provide quality occupational therapy services. Focusing on professional development in preparation for practice in all areas, during the semester students will acquire supervisory relationship and elemental teamwork skills; gain basic information literacy skills; cultivate a professional approach to work; enhance communication (written and verbal) skills and reflect critically on professional development. At the end of the semester, students will participate in a supervised one-week, full-time experience within a professional service setting.

OCCP2084**Occupational Performance: Healthcare 2**

Credit points: 6 **Teacher/Coordinator:** Dr Reinie Cordier **Session:** Semester 1 **Classes:** 2hrs lecture/wk, 2hr tutorial/wk **Assessment:** Group work (run, present, report) (50%) Cast study (3,000 words) (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For adults who experience significant challenges to perform daily life activities and need interdisciplinary team services within psychosocial health (and related) settings, occupational therapy is essential to enhance, restore, or maintain performance and participation in a routine of daily life activities to return to and live in the community. Mindful of client-centred approach, students will acquire basic assessment, intervention, and evaluation skills relevant for adults within psychosocial health contexts and begin assuming the role occupational therapists perform within healthcare teams. In doing so, students will learn: What occupational therapy assessment, intervention and evaluation processes do and use when the participation of a person in a routine of daily activities and performance of day-to-day activities is significantly challenged. Within psychosocial health settings, how do I help enhance, restore, or maintain performance in daily life activities of concern. How do I incorporate a client-centred approach within healthcare systems.

OCCP2085**Occupational Performance: Home & Family**

Credit points: 6 **Teacher/Coordinator:** Assoc Professor Lindy Clemson **Session:** Semester 1 **Classes:** 2hrs lecture/wk, 2hr tutorial/wk **Assessment:** Case Study Report - 2,000 word report plan: Part A (25%): OT Strategies used to enable home occupations: Part B (25%): Recommended environment modifications (own home) + drawings (based on case study) Exam : 20 MCQ and 10 x short answer, incorporating a video and case study (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For children, youth, and families living in the community and who experience performance challenges, occupational therapy is useful to enhance, restore, or maintain participation in day-to-day activities. Integrating an understanding of childhood development with family-centred practice, students will develop specific assessment, intervention, and evaluation skills to promote participation in day-to-day activities from infancy through adolescence. In doing so, students will learn: How do I provide occupational therapy within a family context. How can I promote quality in life through participation in everyday occupation. How do I consider the complex interaction of the capacity of a person (physical, emotional and cognitive functioning) with environmental factors whilst focusing on the performance of activities of concern to families.

OCCP2086**Professional Practice 2**

Credit points: 6 **Teacher/Coordinator:** Ms Jane Gamble **Session:** Semester 1 **Classes:** 2hrs lecture/wk, 2hrs tutorial/wk and 2hrs tutorial in weeks 4, 8-11 **Prerequisites:** OCCP1099 Occupational Performance: Healthcare 1, OCCP1100 Professional Practice 1 **Assessment:** Doc. Exam P/F * Peer Interview (40%) * FEF (60%) Conducted with placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

Using evidence to creatively solve problems and support professional decisions and working effectively as a collaborative team member is essential to provide quality services. This unit is continuing a focus on professional development in preparation for practice in all areas. During the semester students will acquire the necessary information literacy skills to locate, examine, and evaluate different types of evidence to support their critical reasoning and consolidate their collaborative teamwork skills. In doing so, students will learn: How do I effectively use evidence to support the practice of occupational therapy? What methods do I use to promote effective team collaboration to the benefit of service recipients? At the end of the semester, students will participate in a supervised two-week, full-time experience within a professional service setting.

OCCP2087**Occupational Performance: Community**

Credit points: 6 **Teacher/Coordinator:** Dr Judy Ranka **Session:** Semester 2 **Classes:** 2hrs lecture/wk, 3hrs tutorial/wk **Assessment:** 2 page summary

(10%), Progress Report (20%), Project (30%), Critique Report (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For adults experiencing challenges participating in community, social and civic activities and who could benefit from occupational therapy services, occupational therapy is useful to enhance, restore, or maintain participation within environments outside the home. Considering a broader community context, students will further develop assessment, intervention, and evaluation skills relevant to the participation of more complex activities within the community, such as transportation, shopping and similar activities. In doing so, students will learn: How can I advocate for and promote participation by people in activities within their local communities. How do I consider the complex interaction of capacity in a person (physical, emotional and cognitive functioning) with environmental factors whilst focusing on the performance of activities in the community.

OCCP2088

Occupational Performance: Child & Family

Credit points: 6 **Teacher/Coordinator:** Dr Reinie Cordier **Session:** Semester 2 **Classes:** 2hrs lecture/wk, 2hrs tutorial/fortnight **Assessment:** Reports and presentations (30%) * Examination (Case Study) (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For adults experiencing challenges performing day-to-day activities and could benefit from services in order to continue living in the community. Occupational therapy is useful to enhance, restore, or maintain performance of and participation in self-care, mobility, domestic, social, and leisure activities within the home. Paying particular attention to the typical social context (family) within which people live, students will further develop assessment, intervention, and evaluation skills relevant to the performance of daily life activities within the home. In doing so, students will learn: Within a home context, how do I best provide occupational therapy services from a client-centred perspective? How do I involve families when focusing on the performance of day-to-day activities within the home? How might home environments be modified to enhance safety and performance of everyday activities?

OCCP3061

Professional Practice IIIA

Credit points: 12 **Teacher/Coordinator:** Ms Jane Gamble **Session:** Semester 1, Semester 2 **Classes:** 40 hours/week for 7 weeks **Prerequisites:** OCCP2086 Professional Practice 2 **Assessment:** Student Practice Evaluation Form (SPEF-R) (80%), Reflective Letter of Thanks (20%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Integrating theory and practice in context and becoming skilled in the assessment, intervention and evaluation process is essential when becoming an occupational therapist. Continuing a focus on professional development in context, students will participate in a seven-week, supervised full time experience within a professional service setting.

OCCP3065

Professional Practice IIIB

Credit points: 12 **Teacher/Coordinator:** Ms Jane Gamble **Session:** Semester 1, Semester 2 **Classes:** 40 hours/week for 7 weeks **Prerequisites:** OCCP2086 Professional Practice 2 **Assessment:** Student Practice Evaluation Form - (SPEF-R) (60%), Clinical Reasoning and the "Interactional Professional" (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Integrating theory and practice in context and becoming skilled in the assessment, intervention and evaluation process is essential when becoming an occupational therapist. Continuing a focus on professional development in context, students will participate in a seven-week, supervised full time experience within a professional service setting.

OCCP3076

Occupational Performance: Education

Credit points: 6 **Teacher/Coordinator:** Jane Gamble **Session:** Semester 2 **Classes:** 2 hours/week lecture, 2 hours/week tutorial, and self-directed learning **Assessment:** Assignment (40%) and presentation (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For children and youth who experience challenges engaging in activities associated with educational contexts, occupational therapy is useful to enhance, restore, or maintain participation in activities necessary to attend school and prepare for a transition to adulthood. Integrating an understanding of human development and educational systems, students will develop the assessment, intervention, and evaluation skills to promote the school performance of children and youth. In doing so, students will learn: How do I provide occupational therapy services that are collaborative in nature and consider the concerns of all involved? How do I assist educational systems to provide an inclusive environment that promotes participation for all children and youth?

OCCP3077

Occupational Performance: Productivity

Credit points: 6 **Teacher/Coordinator:** Jane Gamble **Session:** Semester 2 **Classes:** 2 hours/week lecture, 2 hours/week tutorial, and self-directed learning **Assessment:** Case report (40%) and assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For youth and adults who wish to engage in productive (work and volunteer) activities but experience challenges in doing so, occupational therapy is useful to enhance, restore, or maintain performance to participate in remunerative employment and related productive activities. Integrating an understanding of organizational systems with client-centred practice, students will develop the assessment, intervention, and evaluation skills to promote participation in economic and civic activities. In doing so, students will learn: How do I provide occupational therapy within employment and related contexts? How do I promote a person's productivity, given the complex demands of work activities in relation to a person's capacities and opportunities available within the environment?

OCCP3078

Occupational Performance: Aging

Credit points: 6 **Teacher/Coordinator:** Jane Gamble **Session:** Semester 2 **Classes:** 2 hours/week lecture, 2 hours/week tutorial, and self-directed learning **Assessment:** assignment (40%) and presentation (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For older adults who experience challenges participating in day-to-day activities during their retirement years, occupational therapy is useful to enhance, restore, or maintain performance of daily life activities, to prevent future challenges from occurring, and to assist older adults to continue ageing in the place within community contexts. Integrating an understanding of human development and ageing with expertise in the performance of day-to-day activities, students will further develop assessment, intervention, and evaluation skills specific to older adults. In doing so, students will learn: How do I provide occupational therapy for older adults from a client-centred perspective? How do I promote quality of life and health through continuing engagement in day-to-day activities? What methods do I use to help older adults live safely in the community and help prevent hospitalizations?

OCCP3079

Honours Research Seminar 1

Credit points: 6 **Teacher/Coordinator:** Jane Gamble **Session:** Semester 2 **Classes:** 2 hours/week and self-directed learning **Assessment:** Research proposal (80%) and seminar participation (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Research within the field of occupational therapy is essential to promote best practice for clients and communities receiving occupational therapy services. Working in collaboration with academic supervisors (and potential research partners), honours students will explore research ideas and prepare a written research proposal for their individual research projects to be completed in year four.

OCCP4079

OT in Learning & Co-ord Difficulties

Credit points: 6 **Teacher/Coordinator:** Jane Gamble **Session:** Semester 1 **Classes:** 4hrs lecture/wk **Assessment:** Reflection Paper 3,000 words (40%), Case Based Report 4,000 words (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will give opportunities for students to study the impact of learning disabilities on children's home and school occupational performance. During the semester, students will study: various explanations of learning disorders; common assessment procedures used by occupational therapists to identify problems; interventions. The focus will be on direct intervention as experienced in private practice occupational therapy for children and consultation with schools. Students will be required to test at least one young child (typical child, rather than children with difficulties) aged between 3-4. Students who participate in this elective will be eligible for fourth year fieldwork placement in a public school in Killara.

OCCP4080

Upper Limb and Hand Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Judy Ranka, guest occupational therapists and others **Session:** Semester 1 **Classes:** 1 x 1 hr lecture and a 1 x 3 hr practical workshop per week. x 13 weeks, small group audit tasks and weekly independent study **Prerequisites:** OCCP1095 Components of Occupational Performance 1B, OCCP2044 Components of Occupational Performance 2B **Assessment:** 1 x 2000 word practical report and viva (50%), 1 x 3000 word case study report (50%) **Practical field work:** Physical guidance and orthotic fabrication labs **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Weekly attendance is mandatory

Students will develop knowledge and skills required to provide intervention for people whose impaired hand and upper limb capacity impacts on their ability to carry out needed or desired daily tasks and routines. The focus will be on impairments caused by disorders of the central and peripheral nervous system, bones and joints, and connective tissues.

Textbooks

Reading list provided

OCCP4081

Enabling Participation and Safety in Age

Credit points: 6 **Teacher/Coordinator:** Associate Professor Lindy Clemson **Session:** Semester 1 **Classes:** 1x3hr session per week for 13 weeks and independent learning activities **Prerequisites:** OCCP3061 Professional Practice 3A **Assessment:** Case study assignments (2x20%); 1x2 hr exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit aims to extend students knowledge by exploring current issues on ageing and occupational therapy. Students will examine models of practice in ageing across multiple settings. Areas addressed will include acute care, transition from hospital to home, social connectedness, mobility and community engagement, falls prevention, dementia, ageing with a disability such as stroke or Parkinson's Disease, and occupational justice for the older person. This unit will encompass both a population and individual health perspective and will examine the diversity of the occupational therapy roles in this area of practice as the population ages.

OCCP4082

OT in Occ Health, Safety & Rehab

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** Thirteen 4hr lectures/tutorials **Prerequisites:** OCCP3064 Human Occupations III **Assessment:** 4000 words report (60%), 2000 word report (40%), satisfactory completion of independent learning tasks, attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study gives students the opportunity to extend their knowledge and skills of occupational health, safety and rehabilitation developed in OCCP3064 Human Occupations III and other units of study. Students will explore the issues of work-related injuries and disorders and how these impact on the occupational roles of individuals. There is also input from a sociological perspective. Students will learn how to conduct a functional assessment, including writing a report. There will also be content that addresses relevant ergonomic issues in the workplace and consideration of the hierarchy of controls in determining appropriate interventions, including education and training, as well as workplace modifications. Relevant legislation, regulations and competency standards will be used to guide the content and assessment of this unit.

OCCP4083

Mental Health Interventions

Credit points: 6 **Session:** Semester 1 **Classes:** Thirteen 2hr lectures, online components **Assumed knowledge:** OCCP1091 Components of Occ Performance IA, OCCP2044 Components of Occ Performance IIB, OCCP3066 Components of Occ Performance III **Assessment:** Ten in-class quizzes (30%), 2hr open book exam (70%), attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will extend the students knowledge and practical intervention skills in mental health clinical practice. Intervention skills and strategies developed will be both generic and occupational therapy specific. There will be a large experiential learning component so that students will develop a practical 'how-to' confidence in the clinical application of various techniques with particular consumer populations. In line with current state and national directions, this unit will be guided by principles of wellness and recovery. A range of cognitive focused interventions, psycho-education, family interventions, early intervention, mental health promotion, relapse prevention and strategies to develop effective individual rehabilitation plans are some of the techniques and skills students will develop and practice within this unit.

OCCP4084

Child & Adolescent Mental Health in OT

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** (1 x 2 hr lecture and 1 x 2 hr tutorial)/wk **Prerequisites:** OCCP1083 Occupations and roles across the lifespan 1 OR OCCP2088 Occupational Performance: Child and Family **Assumed knowledge:** Knowledge of typical child development **Assessment:** 1 x 2 hr exam (50%) and 1 x 2000 word essay (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Child and adolescent mental health is an emerging field within occupational therapy. Particularly within the context of Australia, the valuable skills of occupational therapists are greatly under-utilised within child and adolescent mental health settings. Furthermore, for many paediatric occupational therapists, more emphasis is needed in addressing the mental health needs of the children and young people we work with. This unit of study will look at all the mental health conditions commonly found amongst children and adolescents from the perspective of the everyday difficulties commonly encountered by children/adolescents with those conditions and at the unique role of the occupational therapist during the assessment and intervention phase. Lectures, problem solving, video case material and printed handouts will be used to facilitate learning.

OCCP4085

People with Intellectual Disability

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** 4hrs/week **Assessment:** 1800 word individual essay (30%), class presentation with 650 word handout (15%), group project presentation with 650 word handout (20%), 2200 word individual report (35%), two 350 word audit tasks (1 individual, 1 group) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to develop students' knowledge, skill and attitudes for working with people with intellectual disability, with a focus mainly on adults, their participation and support needs. Students will study: the definition of intellectual disability; the abilities and support needs of people with intellectual disability; the service settings which people with intellectual disability use, their occupational roles in those settings, individual planning, choice and self-determination, guardianship, positive support for challenging behaviour, ageing and dementia, and families. There will be a detailed focus on 'Active Support' as one important approach to supporting people with intellectual disability participate fully (with support) in domestic and community life. Students will learn how to use Active Support techniques when working directly with people with intellectual disability, as well as learning how to train and support carers and direct-care staff in the use of these techniques. Classroom teaching will be supported by a small-group fieldwork project conducted in disability service settings.

Textbooks

Dempsey I & Nankervis K (eds), Community Disability Services: An Evidence-Based Approach to Practice, UNSW Press, Sydney (2006) A list of readings will be provided. Many readings are available online

OCCP4086**Professional Elective - General**

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** Classes/modes of delivery will vary depending on the topic chosen **Assessment:** Two to three pieces of assessment equivalent to 8 credit points, attendance requirements (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit of study will present a topic for a professional elective that allows students to explore an area of OT practice in depth. The specific topic will be determined from time to time as teaching staff, visiting scholars and resources are available. The unit will extend the learning students have achieved in the topic in the first three years of the course requiring an increase in the depth of student understanding in the topic area than that required in earlier parts of the course.

OCCP4019**Honours Research Seminar II**

Credit points: 4 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** On-campus, 2hrs/week **Assessment:** Oral presentation (60%), seminar/class participation (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The seminar is designed to assist and support honours students with their ongoing research project, to enable them to develop problem-solving strategies in the conduct of research and to develop their skills in oral presentation of research projects. This unit of study also provides a continuing opportunity for honours students to discuss, with relevant staff, concerns regarding data analysis and interpretation related to their individual projects.

OCCP4051**Professional Practice IV**

Credit points: 24 **Teacher/Coordinator:** Ms Jane Gamble **Session:** Semester 1, Semester 2 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB **Assessment:** SPEC-F (100%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit of study has one 8 week block placement in a professional setting plus briefings and debriefings and an on-campus component, to facilitate integration of on-and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

OCCP4071**Professional Practice IV (Hons)**

Credit points: 20 **Teacher/Coordinator:** Jane Gamble **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB **Assessment:** Clinical supervisor's evaluation - (100%) **Practical field work:** Clinical placement (6 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study has one 6 week block placement in a professional setting plus briefings and debriefings to facilitate the integration of on and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, the knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

OCCP4072**Honours Thesis**

Credit points: 24 **Session:** Semester 2 **Classes:** Independent learning **Assessment:** Thesis (50% literature review chapter, 50% journal manuscript with method and results formatted ready for submission) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit of study provides honours students with the opportunity to undertake a supervised research project in an area of occupational therapy. As part of this and the other honours units of study, each student designs and implements an approved research project and

submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

PHTY2052**Clinical Observation and Measurement**

Credit points: 6 **Teacher/Coordinator:** Dr Mark Hancock **Session:** Semester 1 **Classes:** 24 hrs lectures, 24hrs tutorials/semester **Prerequisites:** BIOS1168 Functional Musculoskeletal Anatomy A, BIOS1169 Functional Musculoskeletal Anatomy B, EXSS1018 Biomechanics of Human Movement **Corequisites:** PHTY2053 Physiotherapy Evidence & Practice **Assessment:** Written assignment (30%), practical viva assessment (20%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines the observation and measurement of normal movement using methods that are suitable for clinical application. The importance of measurement is emphasised and the validity and reliability of different procedures are studied. There are three broad modules, the first being 'impairment' which includes the measurement of a range of common impairments such as weakness, pain and decreased range of movement. The second module is 'activity' and it involves observation and description of everyday activities such as standing up, walking and reaching. The mechanics associated with these everyday activities will be covered in lectures to provide a background for structuring observation. The third module is 'participation' and this covers types of measures designed to determine the impact of impairments on levels of participation. Each module considers the development and change in impairments and activities over the lifespan. This is supplemented with lectures on assessing normal motor development in children. The principles and practice of manual handling will be covered in the context of each tutorial. A short module on surface anatomy is included in this unit of study. In addition, students will be assigned to clinical sites and will undertake structured learning tasks which apply principles taught in this unit of study.

PHTY2053**Physiotherapy Evidence and Practice**

Credit points: 6 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 1 **Classes:** 33 face-to-face hours **Prerequisites:** HSBH1003 Health, Behaviour and Society, HSBH1007 Health Science and Research **Corequisites:** PHTY2052 Clinical Observation and Measurement **Assessment:** Two written assignments (2x20%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study consists of two modules. The evidence-based practice module develops the skills required to practise evidence-based physiotherapy. The students learn how to ask suitable clinical questions about effects of therapy, patient prognosis or the utility of diagnostic instruments; and to locate and critically evaluate published evidence so as to make a sound clinical decision regarding the applicability of evidence to patients. The professional practice module introduces the student to broad and specific issues and practices in healthcare delivery affecting physiotherapists. This includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing healthcare environment. Students will explore the NSW Physiotherapy Registration Board policy on professional conduct and learn to apply this policy in ethical and clinical decision-making. The importance of communication, documentation and respect for cultural differences in professional practice will be addressed. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 2001 and other health acts and the meaning of professional misconduct and other associated behaviours will be explored. In addition, students will be assigned to clinical units and will undertake structured learning tasks, which apply principles taught in this unit.

PHTY2054**Musculoskeletal Physiotherapy A**

Credit points: 6 **Teacher/Coordinator:** Mr Peter Colagiuri **Session:** Semester 2 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** BIOS1168 Functional Musculoskeletal Anatomy A, BIOS1169 Functional Musculoskeletal Anatomy B EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical

Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice
Corequisites: PHTY2055 Musculoskeletal Physiotherapy B **Assessment:** Mid semester practical assessment (20%), end semester practical assessment (30%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit of study is to develop the skills required to perform basic musculoskeletal assessment and treatment techniques, safely and effectively apply a selection of electrophysical agents and assess and prescribe exercise-based rehabilitation at the level of a student commencing musculoskeletal clinical practical placements. This unit will integrate knowledge from assumed foundation science. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence-based practice and safety. This unit of study complements Musculoskeletal Physiotherapy B (MSB) and lays the foundation for MSC, MSD and MSE which will further develop skills in the management of disorders of the spine, upper and lower limbs and more complex musculoskeletal conditions.

PHTY2055

Musculoskeletal Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** BIOS1168 Functional Musculoskeletal Anatomy A, BIOS1169 Functional Musculoskeletal Anatomy B EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice **Corequisites:** PHTY2054 Musculoskeletal Physiotherapy A **Assessment:** Mid semester practical assessment (20%), end semester practical assessment (30%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit of study is to develop the skills required to assess, diagnose and manage common musculoskeletal disorders of the lower extremity incurred by patients of all ages at the level of a student commencing musculoskeletal clinical practical placements. This unit will integrate knowledge from assumed foundation science. Students will develop the ability to select and safely implement interventions based on clinical reasoning and principles of evidence based practice. This unit of study complements Musculoskeletal Physiotherapy A (MSA) and together they lay the foundation for MSC, MSD, MSE and MSF which will further develop skills in the management of disorders of the spine, upper extremity and more complex musculoskeletal conditions.

PHTY2056

Neurological Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Ms Angela Stark **Session:** Semester 2 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** BIOS1171 Neuroscience, EXSS2025 Motor Control and Learning **Corequisites:** EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice **Assessment:** mid semester practical assessment (36%), end semester practical assessment (24%) end semester written exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces pathology, impairments, activity limitations and participation restrictions arising from conditions of acute onset, using examples such as stroke, traumatic brain injury, cerebral palsy and Guillain Barré syndrome. Impairments such as weakness, loss of dexterity, loss of sensation and spasticity as well as secondary adaptations to these impairments, such as the development of contracture, will be studied. In addition, this unit of study will provide the foundations for students to develop an ability to apply relevant theoretical and data-based scientific findings to clinical practice in the area of motor disability arising from disease or trauma to the nervous system. Students will learn to measure, assess, and train everyday activities such as rolling over and getting out of bed, sitting, standing up, standing, walking, reaching and manipulating objects with the hand. The contribution of other health professionals to the rehabilitation process is also addressed.

PHTY2057

Cardiopulmonary Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Dr Zoe McKeough **Session:** Semester 2 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** BIOS1170

Body Systems: Structure and Function, EXSS2027 Exercise Physiology for Clinicians **Corequisites:** EXSS1029 Muscle Mechanics and Training, PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice **Assessment:** mid semester practical/viva assessment (15%), end semester practical/viva assessment (15%), end semester written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic respiratory and cardiac dysfunction. In particular, students will evaluate the pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective, inflammatory; restrictive; and obstructive pulmonary disorders, and coronary artery disease. Students will learn the practical skills and develop treatment strategies to effectively manage respiratory problems. Additionally this unit will develop the student's knowledge of exercise and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations to exercise. The unit will provide students with an opportunity to apply, integrate and extend knowledge gained through the foundation sciences and earlier physiotherapy units of study.

PHTY3068

Musculoskeletal Physiotherapy C

Credit points: 6 **Teacher/Coordinator:** Dr Paulo Ferreira/Dr Debra Shirley **Session:** Semester 1 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B **Corequisites:** PHTY3069 Musculoskeletal Physiotherapy D **Assessment:** Mid semester practical assessment (20%), end semester practical assessment (20%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study develops the skills required for primary care management of low back pain at a level to commence a musculoskeletal practicum. Students learn to 'triage' patients to distinguish patients with non-specific pain from those suspected of having underlying disease/pathology. The unit covers the basic epidemiology of spinal pain (risk factors, clinical course, prognostic factors) and the assessment of treatment outcome. The evidence base for management options is explored and students learn to apply a range of treatments such as education and advice, manual therapy, exercise, McKenzie therapy etc. This unit will integrate knowledge from earlier foundation science and physiotherapy subjects. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence-based practice and safety. This unit of study complements Musculoskeletal Physiotherapy A (MSA) and MSB and lays the foundation for MSE and MSF which will further develop skills in more complex musculoskeletal conditions.

PHTY3069

Musculoskeletal Physiotherapy D

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Leaver, Dr Mark Hancock **Session:** Semester 1 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B **Corequisites:** PHTY3068 Musculoskeletal Physiotherapy C **Assessment:** Mid semester practical assessment (20%), end semester practical assessment (30%) end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is part of the musculoskeletal curriculum that develops knowledge and skills required by a graduate physiotherapist in the primary care management of musculoskeletal disorders in the general population. This unit focuses on management of musculoskeletal conditions of the upper limbs. At the completion of this unit student will have demonstrated theoretical knowledge, clinical reasoning and competency in assessment and treatment of the upper limb at a level sufficient to commence student practicum.

PHTY3070

Musculoskeletal Physiotherapy E

Credit points: 6 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 1 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B **Corequisites:** PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069

Musculoskeletal Physiotherapy D **Assessment:** Mid semester practical assessment (20%) end semester viva/practical assessment (30%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide a detailed approach to history taking and performance of the physical examination for a patient with disorders of the cervical and thoracic spine. With the integration of communication and listening skills, application of sound physical testing procedures and clinical reasoning, the aim is to enable students to diagnose/ triage and manage patients with cervical pain or thoracic spine pain who present to primary and secondary care. In addition, students will be able to determine appropriate evidence-based practice management strategies for patients with cervical or thoracic spine problems and design appropriate treatment progression. This unit of study complements Musculoskeletal Physiotherapy D and lays the foundations which will develop further skills in the management of more complex conditions in Musculoskeletal Physiotherapy F.

PHTY3071

Neurological & Cardiopulmonary Physio A

Credit points: 6 **Teacher/Coordinator:** Dr Lyndal Maxwell, Dr Colleen Canning **Session:** Semester 1 **Classes:** 24 hrs lectures, 24 hrs tutorials/semester **Prerequisites:** PHTY2057 Cardiopulmonary Physiotherapy A, PHTY2056 Neurological Physiotherapy A **Assessment:** Mid semester assignment (20%), end semester practical assessment (20%) end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study builds on and expands the knowledge, skills and attributes developed in Cardiopulmonary Physiotherapy A and Neurological Physiotherapy A Three modules are included: cardiopulmonary physiotherapy in the acute care environment, physiotherapy for neurodegenerative conditions and acute neurological/neurosurgical care. The acute care module focuses on assessment and treatment of patients with acute pulmonary dysfunction. In addition students examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis is on appropriate assessment, safe and effective management of intubated and non-intubated patients. The neurodegenerative conditions module examines the pathology, impairments, activity limitations and participation restrictions arising from neurodegenerative conditions which require adaptation (such as Parkinsonism, multiple sclerosis, and motor neuron disease). Students learn to assess and train or prescribe appropriate aids to enable activities such as rolling over, sitting, walking, transferring, wheelchair mobility, and reaching and manipulating objects to be carried out. The acute neurological and cardiopulmonary care module focuses on physiotherapy management of acute neurological and neurosurgical conditions.

PHTY3072

Physiotherapy Practicum A

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S2 Late Int, Semester 1 **Classes:** Clinical placement **Prerequisites:** PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice, PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B, PHTY2056 Neurological Physiotherapy A, PHTY2057 Cardiopulmonary Physiotherapy A, PHTY3071 Neurological & Cardiopulmonary Physio A, PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069 Musculoskeletal Physiotherapy D **Assessment:** (100%) assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit of study involves clinical placements in one of the following areas: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy Practicum A, B, C, D, E are all five week placements which require

full attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

PHTY3073

Physiotherapy Practicum B

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S1 Intensive, S2 Late Int **Classes:** Clinical placement **Prerequisites:** PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice, PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B, PHTY2056 Neurological Physiotherapy A, PHTY2057 Cardiopulmonary Physiotherapy A, PHTY3071 Neurological & Cardiopulmonary Physio A, PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069 Musculoskeletal Physiotherapy D **Assessment:** (100%) assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: S1 Intensive.

This unit of study involves clinical placements in one of the following areas: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy Practicum A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

PHTY3074

Physiotherapy Practicum C

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S1 Late Int, S2 Late Int **Classes:** Clinical placement **Prerequisites:** PHTY2052 Clinical Observation and Measurement, PHTY2053 Physiotherapy Evidence and Practice, PHTY2054 Musculoskeletal Physiotherapy A, PHTY2055 Musculoskeletal Physiotherapy B, PHTY2056 Neurological Physiotherapy A, PHTY2057 Cardiopulmonary Physiotherapy A, PHTY3071 Neurological & Cardiopulmonary Physio A, PHTY3068 Musculoskeletal Physiotherapy C, PHTY3069 Musculoskeletal Physiotherapy D **Assessment:** (100%) assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: S1 Late Int.

This unit of study involves clinical placements in one of the following areas: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy Practicum A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

PHTY3075

Interprofessional & Reflective Practice

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Dean **Session:** Semester 2 **Classes:** Distance / Independent study **Corequisites:** PHTY 3072 Physiotherapy Practicum A: PHTY3073 Physiotherapy Practicum B: PHTY 3074 Physiotherapy Practicum C **Assessment:** Written assignment (40%), portfolio (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study will explore the role of interprofessional and reflective practice in the delivery of people-centred health care. Using experiences from physiotherapy practicum placements and reactions to written accounts of personal experiences of health care, this unit provides opportunities for students to examine and reflect on interprofessional practice in Australian Healthcare. The unit will also assist students' development of generic attributes and capabilities

and learn strategies for self management and lifelong development within the physiotherapy profession.

PHTY4092

Musculoskeletal Physiotherapy E

Credit points: 4 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 1 **Classes:** 18 hrs lectures, 9 hrs tutorials **Prerequisites:** PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** Practical assessment (30%), written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to further advance and consolidate students' ability to apply evidence-based practice in the management of musculoskeletal conditions of the spine. Students study practical and theoretical aspects of manipulative physiotherapy to encourage integration of selected spinal manipulative procedures into the overall management of a patient's problem. Students will evaluate the known efficacy of advanced manipulative procedures, and the mechanisms of effect. Students also practise the application of advanced manipulative procedures including manipulation of selected spinal joints. Thus, students practise and evaluate a range of strategies to decrease pain and impairment, and to improve function in patients with acute, sub-acute and chronic pain. The roles of other health professionals in the management of musculoskeletal conditions are discussed. This unit of study examines the theoretical base for clinical intervention encompassing a historical perspective of musculoskeletal physiotherapy and explores other approaches to the management of musculoskeletal conditions.

PHTY4093

Cardiopulmonary & Neurological Physio

Credit points: 4 **Teacher/Coordinator:** Dr Lyndal Maxwell, Dr Louise Ada **Session:** Semester 1 **Classes:** 18 hrs lectures, 8 hrs tutorials **Prerequisites:** PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B **Assessment:** Two written assignments (2x50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study builds on and expands the knowledge, skills and attributes developed in Cardiopulmonary Physiotherapy A and Neurological Physiotherapy A. Three modules are included: cardiopulmonary physiotherapy in the acute care environment, physiotherapy for neurodegenerative conditions and acute neurological/neurosurgical care. The acute care module focuses on assessment and treatment of patients with acute pulmonary dysfunction. In addition students examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis is on appropriate assessment, safe and effective management of intubated and non-intubated patients. The neurodegenerative conditions module examines the pathology, impairments, activity limitations and participation restrictions arising from neurodegenerative conditions which require adaptation (such as Parkinsonism, multiple sclerosis, and motor neuron disease). Students learn to assess and train or prescribe appropriate aids to enable activities such as rolling over, sitting, walking, transferring, wheelchair mobility, and reaching and manipulating objects to be carried out. The acute neurological and cardiopulmonary care module focuses on physiotherapy management of acute neurological and neurosurgical conditions.

PHTY4094

Physiotherapy Practicum D

Credit points: 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S1 Late Int, S2 Late Int **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Corequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Assessment:** (100%) assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: S2 Late Int.

These units of study (PHTY4094 and PHTY4095) involve clinical placement in two of the following areas not previously covered in physiotherapy practicum A, B or C: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. Physiotherapy Practicum A, B, C, D, E are all five week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

PHTY4095

Physiotherapy Practicum E

Credit points: 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S1 Late Int, S2 Late Int **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Corequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: S2 Late Int.

These units of study (PHTY4094 and PHTY4095) involve clinical placement in two of the following areas not previously covered in physiotherapy practicum A, B or C: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. Physiotherapy Practicum A, B, C, D, E are all five week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

PHTY4096

Physiotherapy in Childhood

Credit points: 4 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** 1hr lecture/week, 5x2hr tutorials/semester plus structured independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group assignment (25%), end semester written exam (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to prepare the student as a competent entry-level practitioner in the area of paediatric physiotherapy. The student will become aware of the changes which occur from infancy through to maturity in neuromotor, musculoskeletal and cardiopulmonary development and will address issues related to assessment and training strategies in children with potential dysfunction in those systems. The emphasis of teaching strategy will be on problem solving for paediatric clinical scenarios via an approach of clinical reasoning. This learning approach will emphasise the importance of teamwork that will prepare the student for the health care setting. The unit will provide opportunity for the students to incorporate information gained from other units of study in order to achieve the learning outcomes of each clinical scenario.

PHTY4097

Physiotherapy in the Workplace

Credit points: 4 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 2 **Classes:** 1hr lecture/week, 5x2hr tutorials/semester plus directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Poster presentation (25%), written report (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides a framework for exploring a broad and emerging role of physiotherapy in the field of occupational health and safety with a focus on work injury prevention and early injury assessment and management. An evidence-based, risk management approach will be used to explore the patterns, causation and control of workplace injury and illness in Australia with particular emphasis on spinal, shoulder and upper limb disorders. Students will gain an understanding of the principles of ergonomics and task analysis and how these can be applied to work injury prevention. To this effect, the role of the physiotherapist in workplace consultancy will be evaluated. Assessment and management of work related disability will be explored. The unit will explore theoretical sociological perspectives on work and organisations in relation to injury causation and rehabilitation and examine the legislative and regulatory framework underpinning the process of injury assessment and management. Specific injury assessment and management strategies such as functional capacity evaluations and functional restoration programs will also be addressed.

PHTY4098

Physiotherapy in Recreation

Credit points: 4 **Teacher/Coordinator:** Ms Alison Hodges **Session:** Semester 2 **Classes:** 1hr lecture, 5x2hr tutorials/semester including directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group assignment (25%), end semester written exam (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit of study is for participants to apply the knowledge, skills and reasoning gained during coursework and clinical practice to recreational activities. Participants will integrate this knowledge to design injury prevention/screening programs for people participating in recreational activities, to develop injury management programs for all recreation groups to facilitate their return to recreation and to plan and implement activity modification programs for those who are unable to participate in standard recreational activities. The relationship of public health issues, e.g., osteoporosis and childhood obesity, to recreation will also be explored. This unit of study will equip participants to manage complex and coexisting problems across the lifespan.

PHTY4099

Physiotherapy in the Community

Credit points: 4 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 2 **Classes:** 1hr lecture/week, 5x2hr tutorials/semester including directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group seminar (25%), end semester written assignment (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study covers the topic of community physiotherapy under two main themes. The first theme addresses the contribution of physiotherapy to the management of particular population groups who receive health care in community settings as a consequence of either personal choice or due to the nature of their chronic disease state; for example, individuals with diabetes, mental illness, and cancer. Health care issues specific to women, to men and to indigenous people will also be addressed. The second major theme will address physiotherapy service delivery in various community-based settings. This aspect of the unit will cover the process of developing a physiotherapy service, including issues such as strategic planning, quality management, health promotion and how to adapt physiotherapy services in the community according to cultural and socio-economic need. Teaching and learning methods will consist of lectures, tutorials and independent learning with student seminars covering some of the topics.

PHTY4100

Physiotherapy for Older People

Credit points: 4 **Teacher/Coordinator:** Assoc Prof Jack Crosbie **Session:** Semester 2 **Classes:** 1hr lecture/week, 5x2hr tutorials/semester plus structured independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal

Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group seminar (25%), end semester written assignment (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is designed to enable students to examine the physiological, psychological and social changes associated with healthy ageing and the more common impairments, disabilities and handicap that arise in an older population. Integration of material from core areas of musculoskeletal, neurological and cardiopulmonary physiotherapy will be required in order to plan management and modify physiotherapy intervention for older persons. The role of the physiotherapist in a variety of environments and in conjunction with other health care resources will be discussed.

PHTY4101

Honours Research Dissertation

Credit points: 8 **Teacher/Coordinator:** Assoc Prof Jack Crosbie **Session:** Semester 2 **Classes:** 6hrs/week **Assessment:** Seminar (30%), Dissertation (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit of study is to provide an opportunity for students of outstanding ability to develop research skills, and specifically, to participate in an investigative study of an aspect of the theoretical or clinical basis of physiotherapy. This unit of study comprises lectures on issues related to conduct of research and fieldwork in which the student participates in a research project. For the fieldwork component, the student will work under the supervision of an academic staff member on a project in which ethical approval has been obtained. The student will also gain experience in scientific writing by the completion of their dissertation. The dissertation will be on a topic broadly related to the project on which the student works.

PHTY4109

Elective Studies

Credit points: 4 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 2 **Classes:** 1hr lecture/wk, 1hr tutorial/wk **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Tutorial participation (10%), 1500 word essay (45%), Class test (45%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will select an approved topic from a list of non-physiotherapy topics offered by the Discipline of Physiotherapy.

PSYC1001

Psychology 1001

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week, plus 1 hour per week of additional web-based (self-paced) material related to the tutorial. **Assessment:** One 2.5hr exam, one 1000w essay, multiple tutorial tests, experimental participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Psychology 1001 is a general introduction to the main topics and methods of psychology, and is the basis for advanced work as well as being of use to those not proceeding with the subject. Psychology 1001 covers the following areas: science and statistics in psychology; behavioural neuroscience; applied psychology; social psychology; personality theory; human development.

This unit is also offered in the Sydney Summer School. For more information consult the website:

http://sydney.edu.au/summer_school/

Textbooks

Psychology 1001 manual, Weiten, W. Psychology. Themes and variations. 8th Ed. Belmont, CA: Thomson Wadsworth. 2010

REHB3062

Public Offenders: Criminality and Rehab

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1, Semester 2 **Classes:** Distance only **Prohibitions:** REHB3051 Rehabilitation of Public Offenders **Assessment:** Mid semester exam (40%), 2000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

7. Undergraduate Units of Study

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit introduces students to issues relating to the rehabilitation of public offenders including adults (males and females) and youth offenders. Students will study the major theories of criminality and community attitudes impacting on government approaches to rehabilitation and incarceration policy. The unit will examine the different approaches and policies to the incarceration of adult males and females and young people and the goals of these approaches. Special attention will be paid to examining the nature of the objectives and desired outcomes of incarceration. Students will analyse the roles and functions of personnel employed within the prison system, including that of custodial personnel and professional workers. In particular the unit will look at the various health issues associated with public offender rehabilitation, including drug addiction, mental illness and HIV/AIDS, the health services available within the prisons and the role played by the various health professionals employed to deal with such problems. Students will also be introduced to the probation and parole system and to the various alternative to full-time incarceration, including community service, day release, work release, and weekend detention. They will examine the aims and objectives of these alternatives and the roles and functions of professional workers (including health workers) employed to administer these programs.

Textbooks

Course will be supplied with study notes and readings

REHB3064

Alcohol and Drug Misuse Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prohibitions:** REHB3061 Rehabilitation and Substance Abuse **Assessment:** 1500 word mid semester essay (40%), 2000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 2.

This unit introduces students to issues relating to a major public health problem: the misuse of alcohol and other addictive drugs. The unit introduces students to two major aspects of this area: issues relating

to the development of health prevention/health promotion policy, covering the philosophies of harm minimisation and zero tolerance; approaches to rehabilitation and treatment of those overusing both alcohol and other drugs. The unit commences with an analysis of public health policy approaches to the rehabilitation and treatment of people overusing alcohol and other harmful drugs. Students will be required to undertake an exercise involving an analysis of the effectiveness of the two major policy approaches to the problem of drug overuse and abuse: harm reduction and zero tolerance. They will be required to examine the evidence supporting these two approaches to public health policy. In the second part of the unit students will study the major therapeutic approaches to treatment and rehabilitation. This will include familiarisation with Alcoholics Anonymous, clinically based approaches including transactional analysis and other group therapy oriented approaches, the various behavioural therapies, therapeutic communities, methadone maintenance, needle exchange and recent trials in safe injection facilities. They will become familiar with the nature of services offered, the role of the various health professionals in these services and the nature of effective treatment and rehabilitation outcomes.

Textbooks

Study notes provided with references

STAT2012

Statistical Tests

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH (1005 or 1905 or 1015) **Prohibitions:** STAT2004, STAT2912 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an introduction to the standard methods of statistical analysis of data: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric tests, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

8. FHS Abroad, Cadigal Program and Yooroang Garang

FHS Abroad

Cultural practices, disease patterns and healthcare systems are vastly different in different countries around the globe. This unit provides students with the opportunity to work with non-government organisations in a developing country for up to six weeks. Regions where students can be placed include South and South-East Asia. As part of the units below students will be expected to participate in local development programs, live within the community that they are visiting, and document key health and development issues.

Table 8.1: FHS Abroad

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Undergraduate			
HSBH3012 FHS Abroad	6	P Successful completion of all 1st year units in an undergraduate FHS degree <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Postgraduate			
HSBH5001 FHS Abroad	6	P Successful completion of an undergraduate health sciences degree or equivalent. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2



Cadigal Entry Program

Admission for Indigenous Students

The Cadigal program is an access and support program for Indigenous people who wish to study at the University of Sydney.

Students entering through the Cadigal program are offered a comprehensive program of academic support which includes:

- the option to enrol in a reduced load for the first two years of the degree, and
- concurrent enrolment in the Aboriginal Health Science Support Program which supplements and supports the work being done in the degree program.

HSC applicants are considered for entry on the basis of their Australian Tertiary Admission Ranking (ATAR). Under the Cadigal program, the ATAR for entry is lower than that required for mainstream entry.

Mature-age applicants are interviewed to assess their suitability for study.

Consideration is given to educational background, life and employment experience and motivations, goals and interests.

Futher information

T: +61 2 9351 9114

sydney.edu.au/health_sciences/yooroang_garang

Yooroang Garang Indigenous Student Support Unit

Aboriginal Health Science Support Program

This supplementary program is studied concurrently with your degree program. Students undertake a selection of the following units, based on an individual needs assessment conducted by Yooroang Garang Indigenous Student Support Unit, and depending on the students' course and course load. The average number of hours in the Support Program is six to eight hours per week for the first two years of enrolment, and one to four hours in the third year.

Admission requirements

Admission to the Aboriginal Health Science Support Program is dependent upon satisfying the eligibility criteria under the Cadigal program (see p94). Selection of students under this Policy may be based on an interview. All students who are offered a place in an award course under the Cadigal program may participate in the Aboriginal Health Science Support Program during the first three years of enrolment.

Course outline

The course outline for the Aboriginal Health Science Support Program is presented in Table 8.2. Units of study are described in Chapter 7.

Table 8.2: Aboriginal Health Science Support Program

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SM008: Part-time, 3 years			
Students enrol in the following units of study either in Semester 1 or Semester 2. Average student hours: 6-8 hours per week over first two years, 1-4 hours per week over third year.			
AHCD1006 Study Skills	4	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1009 Anatomy Support (A)	4	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1010 Anatomy Support (B)	2	Note: Department permission required for enrolment	Semester 2
AHCD1011 Biological Sciences Orientation	2	Note: Department permission required for enrolment	Semester 2
AHCD1012 Biological Sciences Support (A)	6	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1013 Biological Sciences Support (B)	3	Note: Department permission required for enrolment	Semester 1
AHCD1014 Physics Support	6	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1015 Research Methods Support (1)	3	Note: Department permission required for enrolment	Semester 2
AHCD1016 Professional Studies Support (1A)	2	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1017 Professional Studies Support (1B)	4	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1018 Biomechanics Support (1)	2	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1019 Neurobiology Support	3	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1020 Behavioural Sciences Support (A)	2	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1021 Behavioural Sciences Support (B)	6	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD1057 Biological Sciences Support	6	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD2008 Biomechanics Support (2)	2	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD2009 Professional Studies Support (2)	2	Note: Department permission required for enrolment	Semester 1 Semester 2
AHCD2011 Research Methods Support (2B)	4	Note: Department permission required for enrolment	Semester 1 Semester 2
Notes			
1. AHCD1010 includes 2 credit points prior to start of academic year.			
2. AHCD1018 includes 1 credit point prior to start of year.			

9. Postgraduate studies and faculty degrees

The Faculty of Health Sciences offers a wide range of postgraduate programs and students may choose either a research or a coursework pathway. The following listings outline our postgraduate programs at certificate, diploma, master's degree and doctorate levels. Information in this chapter should be read in conjunction with the resolutions of the Senate in the *University of Sydney Calendar* and the *University Postgraduate Studies* handbook.

Research degrees

- Doctor of Philosophy
- Master of Applied Science

For information on the research degrees offered by the Faculty of Health Sciences, please see Chapter 19.

Coursework programs

Further information on the coursework programs offered by the faculty is provided in the relevant chapters of this Handbook.

Faculty coursework degree

Graduate Certificate/Graduate Diploma/Master of Health Science (Sexual Health)

Exercise and Sport Science

- Master of Exercise Physiology
- Graduate Certificate/Graduate Diploma of Health Science (Exercise and Sport Science)
- Master of Exercise and Sport Science

Health Informatics

- Master of Health Informatics

Medical Radiation Sciences

- Master of Diagnostic Radiography
- Master of Molecular Imaging
- Master of Nuclear Medicine
- Master of Radiation Therapy
- Graduate Certificate/Graduate Diploma/Master of Health Science (Medical Radiation Sciences)

Occupational Therapy

- Master of Occupational Therapy

Orthoptics

- Master of Orthoptics

Physiotherapy

- Master of Physiotherapy

Rehabilitation Counselling

- Graduate Diploma/Master of Rehabilitation Counselling

Speech Pathology

- Master of Speech Language Pathology

Graduate Studies in Sexual Health

The graduate program in Sexual Health provides flexible pathways for professionals to extend their expertise in this specialised area. The program uses a blended e-learning mode with many of the units of study delivered on the Blackboard/WebCT (internet-based) delivery platform. The program is offered in both distance and on-campus delivery modes.

This program provides an internationally relevant, multidisciplinary learning experience in human sexuality and sexual health. It has been designed from the viewpoint that sexual health is an essential part of holistic health and wellbeing. Sexual health care is addressed from the perspective of preventative and acute care, as well as rehabilitation. It is structured to provide a core competency base in Sexual Health, with opportunity to develop specialist skills in areas of particular interest. The course is appropriate for professionals in any of the health-related professions (medical, nursing and allied health), as well as other professionals dealing with people (counsellors, family planning workers, social workers, teachers and clergy).

ASSERT (Australian Society for Sexuality Educators' Researchers and Therapists) and the Sexual Health Chapter of the Australian College of Physicians, together with internationally renowned sexologists, have worked with the University of Sydney to develop the program, and will have an active role in course delivery.

There are three courses available within the graduate program in Sexual Health. These are:

- Graduate Certificate of Health Science (Sexual Health)
- Graduate Diploma of Health Science (Sexual Health)
- Master of Health Science (Sexual Health)

All courses in the graduate program in Sexual Health may be completed full time or part time.

In order to qualify for the award of Graduate Certificate of Health Sciences (Sexual Health), students are required to successfully complete units of study to the value of 24 credit points.

In order to qualify for the award of Graduate Diploma of Health Sciences (Sexual Health), students are required to successfully complete units of study to the value of 36 credit points.

In order to qualify for the degree of Master of Health Sciences (Sexual Health), students are required to successfully complete units of study to the value of 48 credit points.

Note: Students who wish to use the Master of Health Science (Sexual Health) as part requirement for registration as Sex Therapist with the Australian Society of Sex Educators, Researchers and Therapists will be required to successfully complete the Sex Therapy units of study, the 200 hours of Sexual Health Placement (BIOS 5067) and the Sexual Counselling Practicum (BIOS 5087).

sydney.edu.au/health_sciences/sexual_health



Graduate Certificate of Health Science (Sexual Health)

The certificate is the baseline level of entry to the program. It provides an opportunity for any professional interested in the area to obtain a basic qualification in sexuality and sexual health.

Units of study completed in the graduate certificate can be credited to the diploma and master's degree programs. Equivalent units of study completed in other tertiary programs may be credited towards the graduate certificate.

The graduate certificate course is offered in both distance delivery mode (Semester 1 and Semester 2 enrolments) and on-campus mode (Semester 2 enrolment).

Admission requirements

- A bachelor's degree or equivalent qualification; or

- other experience or qualifications that provide a sound basis for professional development in the field of sexual health.

Course outline

There are two core units for the Graduate Certificate of Health Science (Sexual Health) course:

- BIOS5069 Introduction to Sexual Health
- BIOS5070 Communication Skills in Sexual Health.

The course outline for the Graduate Certificate of Health Science (Sexual Health) is presented in Table 9.1. Unit descriptions and a list of faculty electives are found in Chapter 20.

Table 9.1: Graduate Certificate of Health Science (Sexual Health)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SG030: Credit points for award: 24			
Full-time, minimum 1 semester; part-time, minimum 2 semesters			
Full-time mode			
Year 1			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1
BIOS5070 Communication Skills in Sexual Health	6		Semester 1
Sexual Health electives [12] (see list below Table 9.18)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1
BIOS5070 Communication Skills in Sexual Health	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Sexual Health electives [12] (see list below Table 9.18)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Graduate Diploma of Health Science (Sexual Health)

The diploma provides a multidisciplinary learning experience in human sexuality and sexual health that allows students to obtain a core competency base, and to develop more advanced skills in areas of particular interest.

Units of study completed in the graduate diploma can be credited to the master's degree program. Equivalent units of study completed in other tertiary programs may be credited towards the diploma.

The diploma course is offered in both distance delivery mode (Semester 1 and Semester 2 enrolments) and on-campus mode (Semester 2 enrolment).

Admission requirements

- A bachelor's degree or equivalent qualification; or

- a graduate certificate-level qualification in sexual health and/or sexuality.

Course outline

There are three core units that have to be completed for the Graduate Diploma of Health Science (Sexual Health) course.

- BIOS5069 Introduction to Sexual Health
- BIOS5070 Communication Skills in Sexual Health, and
- BIOS5075 Managing Sexual Dysfunctions.

The course outline for the Graduate Diploma of Health Science (Sexual Health) is presented in Table 9.2. Unit descriptions and a list of faculty electives are found in Chapter 20.

Table 9.2: Graduate Diploma of Health Science (Sexual Health)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SF057: Credit points for award: 36			
Full-time, minimum 2 semesters; part-time, minimum 3 semesters			
Full-time mode			
Year 1			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1
BIOS5070 Communication Skills in Sexual Health	6		Semester 1
BIOS5075 Managing Sexual Dysfunctions	6		Semester 1
SEMESTER 1 TOTAL: 18 CREDIT POINTS			
Semester 2			
Sexual Health electives [18] (see list below Table 9.3)			
SEMESTER 2 TOTAL: 18 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1
BIOS5070 Communication Skills in Sexual Health	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Sexual Health electives [12] (see list below Table 9.3)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
BIOS5075 Managing Sexual Dysfunctions	6		Semester 1
Sexual Health elective [6] (see list below Table 9.3)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			

Master of Health Science (Sexual Health)

This degree equips professionals with the in-depth knowledge and skills to deal with all types of sexual health concerns, and the competence to provide leadership in sexuality education, research and counselling. Building on core units of study, students have the opportunity to focus on particular areas of interest.

This degree will include a two-week on-campus counselling intensive as part of the core unit of study BIOS5087 Sexual Counselling Practicum (could be replaced by BIOS 5086 Sexual Health Research Project for those students articulating to a PhD). There is also a requirement of 200 hours of supervised placement (BIOS 5067).

Units of study completed in the graduate diploma can be credited to the master's degree. Equivalent units of study completed in other tertiary programs may also be credited.

Admission requirements

- A bachelor's degree or equivalent qualification, in a relevant area, or
- a Diploma in Sexual Health Counselling.

Course outline

Core units of study for all students enrolled in the Master of Health Science (Sexual Health) course include:

- BIOS5069 Introduction to Sexual Health
- BIOS5070 Communication Skills in Sexual Health

- BIOS5075 Managing Sexual Dysfunctions
- BIOS5087 Sexual Counselling Practicum
- BIOS5067 Sexual Health Placement and Supervision.

Students who intend to apply for registration as Sex Therapist with the Australian Society for Sexuality Educators, Researchers and Therapists are required to successfully complete:

- BIOS 5071 Counselling in Sexual Health I
- BIOS5087 Sexual Counselling Practicum
- BIOS 5072 Counselling in Sexual Health II
- BIOS 5067 Sexual Health Placement and Supervision.

Students who intend to articulate into a PhD are advised to enrol in:

- BACH5341 Research & Inquiry in Health Professions
- BIOS5086 Sexual Health Research Project.

Students who wish to pursue a career in Sex Education are advised to enrol in:

- BIOS5087 Sexual Counselling Practicum
- BIOS5086 Sexual Health Research Project.

The course outline for the Master of Health Science (Sexual Health) is presented in Table 9.3. Unit descriptions and a list of faculty electives are found in Chapter 20.

Table 9.3: Master of Health Science (Sexual Health)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC109: Credit points for award: 48			
Full-time, minimum 2 semesters; part-time, minimum 4 semesters			
Full-time mode			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1
BIOS5070 Communication Skills in Sexual Health	6		Semester 1
BIOS5075 Managing Sexual Dysfunctions	6		Semester 1
Sexual Health elective [6] (see list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS5067 Sexual Health Placement and Supervision	6		Semester 1 Semester 2
BIOS5087 Sexual Counselling Practicum	6	Students may enrol in the unit BIOS5086 Sexual Health Research Project (offered in Semester 2) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health.	Semester 2
Sexual Health electives [12] (see list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1
BIOS5070 Communication Skills in Sexual Health	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Sexual Health elective [12] (see list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 2			
Semester 1			
BIOS5075 Managing Sexual Dysfunctions	6		Semester 1
Sexual Health elective [6] (see list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
BIOS5067 Sexual Health Placement and Supervision	6		Semester 1 Semester 2
BIOS5087 Sexual Counselling Practicum	6	<i>Students may enrol in the unit BIOS5086 Sexual Health Research Project (offered in Semester 2) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health.</i>	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Master of Health Science (Sexual Health) elective list

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Electives for Graduate Studies in Sexual Health			
Students may choose from the electives listed below. Some electives will NOT be offered every year.			
Semester 1			
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
BIOS5067 Sexual Health Placement and Supervision	6		Semester 1 Semester 2
BIOS5071 Counselling in Sexual Health I	6		Semester 1
BIOS5075 Managing Sexual Dysfunctions	6		Semester 1
BIOS5077 Advanced Reproductive Health	6		Semester 1
BIOS5085 Principles of Sexual Health Research <i>This unit of study is not available in 2011</i>	6	<i>Note: Department permission required for enrolment Students enrolled in the master's program should note that this unit of study could be taken as an alternative to the core unit BIOS5067 Sexual Health Placement and Supervision. This unit of study is appropriate for students interested in a research career in sexuality and sexual health. Students may also enrol in BIOS5341 instead of this unit of study</i>	Semester 1
BIOS5088 Sexuality in Illness and Disability	6		Semester 1
SEXH5109 Introduction to STIs & HIV <i>This unit of study is not available in 2011</i>	6	P Core units of Graduate Program of Sexual Health	Semester 1
SEXH5206 Diagnostic Methods in Sexual Health	6	<i>Note: Department permission required for enrolment Students who are not enrolled in the STD/HIV program through the Faculty of Medicine must apply to Associate Professor Richard Hillman for permission to enrol in this unit of study.</i>	Semester 1
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
BIOS5067 Sexual Health Placement and Supervision	6		Semester 1 Semester 2
BIOS5072 Counselling in Sexual Health II	6		Semester 2
BIOS5079 Sexuality and Ageing	6		Semester 2
BIOS5083 Sex, Gender and Sexuality	6		Semester 2
BIOS5086 Sexual Health Research Project	6	P BIOS5085 Principles of Sexual Health Research <i>This unit is appropriate for students interested in a research career in sexuality and sexual health</i>	Semester 2
BIOS5087 Sexual Counselling Practicum	6	<i>Students may enrol in the unit BIOS5086 Sexual Health Research Project (offered in Semester 2) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health.</i>	Semester 2
SEXH5008 Sex and Society	2		Semester 2b
SEXH5101 Public Health Aspects of STDs	2		S2 Intensive Semester 2a

9. Postgraduate studies and faculty degrees

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEXH5102 Public Health Aspects of HIV/AIDS	2		Semester 2b
SEXH5205 Advanced Adolescent Sexual Health	6	N SEXH5204 <i>Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.</i>	Semester 2
Notes			
1. Electives can be taken in either Semester 1 or 2.			
2. Electives can be taken in either Year 1 or 2.			
3. Note that some of the units listed are core units for the Graduate Diploma/Master of Health Science (Sexual Health) course.			

10. Behavioural and Social Sciences in Health

The discipline of Behavioural and Social Sciences in Health involves teaching and research in health and healthcare from a social science perspective. Academic staff have expertise in sociology, psychology, education, demography, epidemiology and research methods. They contribute to teaching in most of the undergraduate and postgraduate programs, including research degrees, offered to local and international students by the Faculty of Health Sciences.

The role of the discipline within the Faculty of Health Sciences is to conduct research and to teach behavioural and social science to all students undertaking the courses within the faculty. This involves providing students with knowledge of human behaviour, particularly within the context of health services and the social environment.

Behavioural and social science includes the areas of psychology, sociology, research methods, and statistics.



11. Exercise and Sport Science

Master of Exercise Physiology

This course is a two-year graduate-entry master's degree designed to produce graduates who possess the knowledge, competencies and clinical experience required for safe and effective clinical exercise practice. Students follow a prescribed program of study with a total of 96 credit points.

Admission requirements

To be eligible to apply you will need:

- a PhD, master's or bachelor's degree from an Australian institution or equivalent
- a grade point average of 4.5 or greater (approximately equivalent to a credit average or better) assessed on the highest ranked tertiary qualification presented
- extensive pre-existing knowledge in all of the following five areas:

- human anatomy
- human or exercise physiology
- biomechanics/physics
- psychology/behavioural science
- research design and statistics.

The following undergraduate degrees are currently recognised by the University of Sydney as meeting the eligibility criteria:

1. Bachelor of Applied Science (Exercise and Sport Science) from the University of Sydney
2. Bachelor of Applied Science (Exercise and Sport Science) from the University of Western Sydney
3. Bachelor of Science (Health and Exercise Science) from the University of NSW
4. Bachelor of Exercise Science from the University of Wollongong
5. Bachelor of Exercise Science from Charles Sturt University
6. Bachelor of Exercise Science and Rehabilitation from the University of Wollongong
7. Bachelor of Sport and Exercise Science from Southern Cross University
8. Bachelor of Exercise and Sport Science from University of Newcastle
9. Bachelor of Exercise and Sport Science from the Australian Catholic University (NSW, ACT, VIC campuses)
10. Bachelor of Health Sciences Health Care Stream from the University of Sydney
11. Bachelor of Health Sciences with a Movement Science major from The University of Sydney
12. Bachelor of Science (Health and Sports Science) from the University of New South Wales: including NEUR3101 Muscle and Motor Control (or its equivalent)
13. Bachelor of Exercise Science from Australian Catholic University, Sydney Campus: including EXSC330 Advanced Motor Control and Learning (or its equivalent)
14. Bachelor of Applied Science (Sport and Exercise Science) from the University of Western Sydney: including 400166 Clinical Neurosciences (or its equivalent)
15. Bachelor of Health Science (Sport and Exercise Science) from the University of Western Sydney: including 400964.1 Clinical Neurosciences (or its equivalent)
16. Bachelor of Science (majoring in Exercise Science) from the University of Wollongong: including SHS320 Motor Control and Dysfunction or SHS311 Fundamentals of Neuroscience (or their equivalents)

17. Bachelor of Human Movement from the University of Technology (UTS) Sydney: including elective 91706 Neuroscience (or its equivalent)
18. Bachelor of Management in Sport and Exercise from the University of Technology (UTS) Sydney: including electives 91706 Neuroscience (or its equivalent) and 91429 Physiological Bases of Human Movement.

Professional experience

Across the two-year course, students engage in 500 - 650 hours of clinical experience. Students commence by gaining experience with low-risk clients (at least 140 hours) and progress to working with clients with chronic disease conditions (at least 360 hours).

In order to undertake clinical experience, students must:

- have a current certificate of competency in cardiopulmonary resuscitation (CPR) before attending any practicum placement
- undergo a criminal records check
- seek medical advice and vaccination according to the NSW Health Department Policy Directive
- comply with the requirements of the *NSW Child Protection (Prohibited Employment) Act*
- comply with the *NSW Health Records and Information Privacy Act (2002)*.

Failure to do so may jeopardise placements and the ability to fulfil course requirements.

Uniform requirements

Students are required to dress professionally when attending clinical placements. Students should wear the Exercise and Sport Science polo shirt (as supplied by the Student Guild), smart dark trousers, slacks or skirt (length to be at least to the top of the knee), closed-in, flat-heeled, dark leather shoes (no sports shoes unless they are of an appropriate colour and are neat and tidy).

Careers

Graduates of the Master of Exercise Physiology are equipped to work in exercise rehabilitation. Graduates may work in private practice or in the healthcare system.

Professional recognition

Preliminary accreditation by the Exercise and Sports Science Australia (ESSA) National Universities Course Accreditation Program at the level of Exercise Physiologist has been received. An application for full accreditation has been submitted. In the interim, graduates may apply for Exercise Physiologist accreditation through the evidence-based application process which ESSA has in place. An ESSA-accredited Exercise Physiologist is a practitioner who is competent for practice with clients with chronic disease and disability. An ESSA-accredited Exercise Physiologist is eligible to provide services under Medicare, WorkCover, private health insurance funds and the Department of Veterans Affairs.

Course outline

The course outline for the Master of Exercise Physiology is presented in Table 11.1. See Chapter 20 for unit descriptions and a list of faculty and research electives.



Table 11.1: Master of Exercise Physiology

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC149: Credit points for award: 96			
Full-time, 4 semesters			
Full-time mode			
Year 1			
Semester 1			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
EXSS5050 Human Motor Learning and Control	6		Semester 1
EXSS5058 Principles of Exercise Programming	6	C EXSS5029 Exercise, Metabolism and Physiology; EXSS5059 Professional Practice <i>Students must have a current CPR certificate of competency</i>	Semester 1
EXSS5059 Professional Practice 1	6	C EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming <i>Students must have a current CPR certificate of competency prior to undertaking clinical work.</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS5048 Exercise Throughout the Lifespan	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5051 Clinical Biomechanics	6	P EXSS5030 Human Mechanics <i>Not available during concurrent enrolment in EXSS5046 Sports Biomechanics. Prerequisite and concurrent enrolment rules do not apply to degree code SC149 Master of Exercise Physiology.</i>	Semester 2
EXSS5060 Advanced Exercise Programming	6	A EXSS5029 Exercise, Metabolism and Physiology P EXSS5058 Principles of Exercise Programming <i>Students must have a current CPR certificate of competency</i>	Semester 2
EXSS5061 Professional Practice 2	6	A EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming P EXSS5059 Professional Practice C EXSS5060 Advanced Exercise Programming	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
EXSS5062 Exercise for Musculoskeletal Conditions	6		Semester 1 Semester 2
EXSS5064 Nutrition and Pharmacology	6		Semester 1
EXSS5065 Clinical Exercise Science Case Studies 1	6		Semester 1
EXSS5068 Practicum 1	6	P EXSS5061 Professional Practice 2 <i>Students must have a current CPR certificate of competency prior to undertaking clinical work.</i>	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS5066 Clinical Exercise Science Case Studies 2	6		Semester 2
EXSS5069 Practicum 2	6	P EXSS5061 Professional Practice 2 and EXSS5062 Exercise for Musculoskeletal Conditions <i>Students must have a current CPR certificate of competency prior to undertaking clinical work</i>	Semester 2
EXSS5070 Practicum 3	6	P EXSS5061 Professional Practice 2 and EXSS5062 Exercise for Musculoskeletal Conditions <i>Students must have a current CPR certificate of competency prior to undertaking clinical work.</i>	Semester 2
EXSS5071 Practicum 4	6	P EXSS5061 Professional Practice 2 and EXSS5062 Exercise for Musculoskeletal Conditions <i>Students must have a current CPR certificate of competency prior to undertaking clinical work.</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Graduate Certificate of Health Science (Exercise and Sport Science)

The coursework for the Graduate Certificate in Health Science (Exercise and Sport Science) is designed to provide an introduction to graduate studies in exercise and sport science and to provide a grounding in basic exercise and sport sciences for people involved in sport coaching, who work in the fitness industry, or who advise sports people in their professional practice.

The work will be presented with the assumption that the student has a background knowledge of anatomy or physiology or is prepared to acquire this prior to commencing the course.

Admission requirements

1. To qualify for admission, applicants shall possess: an Australian bachelor's degree in medicine, physiotherapy, occupational therapy, nursing, physical education or other related field (or overseas equivalent). A background in anatomy, biomechanics and physiology is essential
2. A bachelor's degree and additional qualification or experience as deemed appropriate by the head of the academic unit.

Course outline

The course outline for the Graduate Certificate of Health Science (Exercise and Sport Science) is presented in Table 11.2. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 11.2: Graduate Certificate of Health Science (Exercise and Sport Science)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SG026: Credit points for award: 24			
Full-time, minimum 1 semester; part-time, maximum 2 semesters			
Full-time mode			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
Electives [18] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Semester 1			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
Elective [6] (see elective list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Electives [12] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Electives for Graduate Certificate of Health Science (Exercise and Sport Science)			
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
EXSS5030 Human Mechanics	6	A Fundamental functional anatomy	Semester 1
EXSS5046 Sports Biomechanics	6	P EXSS5030 Human Mechanics	Semester 2
EXSS5047 Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)	Semester 1
EXSS5048 Exercise Throughout the Lifespan	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5049 Athlete Exercise Testing and Training	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5050 Human Motor Learning and Control	6		Semester 1
EXSS5067 Seminar in Sport and Exercise Psychology	6		Semester 2

Graduate Diploma of Health Science (Exercise and Sport Science)

This course is designed to provide an opportunity for advanced study in exercise and sport science with a focus on the areas of applied physiology, human mechanics and motor learning.

It is anticipated that this study will be an extension of the student's prior training and professional role.

The course will be presented with the assumption that the student has a background knowledge of anatomy or biomechanics and physiology or is prepared to acquire it, prior to commencing the course.

Admission requirements

To qualify for admission, applicants shall possess an Australian bachelor's degree (pass or honours) in medicine, physiotherapy, occupational therapy, nursing, physical education or other related field (or overseas equivalent).

A background in anatomy, biomechanics and physiology is essential.

Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the faculty.

Qualifying statement

Notwithstanding the above requirements for admission, the faculty may require the applicants to demonstrate, by examination or appropriate work, that they are suitable candidates, before being admitted to the program.

Course outline

The course outline for the Graduate Diploma of Health Science (Exercise and Sport Science) is presented in Table 11.3. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 11.3: Graduate Diploma of Health Science (Exercise and Sport Science)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Last offered in 2011			
Course code SF054: Credit points for award: 36			
Full-time, 2 semesters. Part-time, maximum 2 semesters. 2011 is the last year that this degree will be offered. Hence, all requirements for the degree must be completed in 2 semesters.			
Semester 1			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
Electives [18] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Electives [12] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Electives for Graduate Diploma of Health Science (Exercise and Sport Science)			
Electives may be chosen from the list below, or subject to head of academic unit approval, may be taken from within or outside the Faculty.			
BACH5026 Special Investigation	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
EXSS5030 Human Mechanics	6	A Fundamental functional anatomy	Semester 1
EXSS5046 Sports Biomechanics	6	P EXSS5030 Human Mechanics	Semester 2
EXSS5047 Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)	Semester 1
EXSS5048 Exercise Throughout the Lifespan	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5049 Athlete Exercise Testing and Training	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5050 Human Motor Learning and Control	6		Semester 1
EXSS5051 Clinical Biomechanics	6	P EXSS5030 Human Mechanics <i>Not available during concurrent enrolment in EXSS5046 Sports Biomechanics. Prerequisite and concurrent enrolment rules do not apply to degree code SC149 Master of Exercise Physiology.</i>	Semester 2
EXSS5056 Clinical Exercise Science Practicum 1	12	A Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) P EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2 C EXSS5029 Exercise Metabolism and Physiology <i>Note: Department permission required for enrolment</i>	Semester 1
EXSS5057 Clinical Exercise Science Practicum 2	12	A EXSS5029 Exercise Metabolism and Physiology. Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) P EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2, EXSS5056 Clinical Exercise Practicum 1 <i>Note: Department permission required for enrolment</i>	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EXSS5065 Clinical Exercise Science Case Studies 1	6		Semester 1
EXSS5066 Clinical Exercise Science Case Studies 2	6		Semester 2
EXSS5067 Seminar in Sport and Exercise Psychology	6		Semester 2

Master of Exercise and Sport Science

This course will provide advanced study in the broad discipline of exercise and sport science. Through selection of appropriate elective units, students will gain skills that may be applied to both elite athlete performance as well as more clinically oriented studies.

The course is designed to equip students with an in-depth understanding of applied physiology, biomechanics and motor learning together with the skills to conduct exercise testing and prescription for symptomatic and asymptomatic population groups and elite athletes. Elective studies can be in the areas of ageing, nutrition, public health and psychosocial attributes.

A distinguishing feature of the Masters of Exercise and Sport Science is that students have frequent access to laboratory facilities and equipment. Graduates will have practical skill in laboratory testing of exercise performance which can be applied to their area of specialisation.

Admission requirements

To qualify for admission, applicants shall possess an Australian bachelor's degree (pass or honours) (or overseas equivalent) in medicine, physiotherapy, occupational therapy, nursing, physical education or other related field. A background in anatomy, biomechanics and physiology is essential.

Two units of study in this degree EXSS5056 Clinical Exercise Science Practicum 1 and EXSS5057 Clinical Exercise Science Practicum 2 are designed to meet some of the requirements for accreditation as an Exercise Physiologist by Exercise and Sports Science Australia (ESSA). Admission to these units is restricted to students who are eligible for accreditation as an Exercise Scientist by ESSA, and hence have received appropriate preparation for clinical training. Since demand for these units is expected to exceed the number of clinical places available, eligible students will be allocated according to academic merit, based on undergraduate record. Note that these restrictions apply to these two units only, not the whole degree program.

Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the faculty.

Course outline

The course outline for the Master of Exercise and Sport Science is presented in Table 11.4. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 11.4: Master of Exercise and Sport Science

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC155: Credit points for award: 48			
Full-time, 2 semesters. 2011 is the last year that this degree will be offered. Hence, all requirements for the degree must be completed in 2 semester			
Full-time mode			
Year 1			
Semester 1			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
Electives [18] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Electives [24] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Electives for Master of Exercise and Sport Science			
Electives may be chosen from the list below, or subject to head of academic unit approval, may be taken from within or outside the Faculty.			
BACH5026 Special Investigation	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
EXSS5030 Human Mechanics	6	A Fundamental functional anatomy	Semester 1
EXSS5046 Sports Biomechanics	6	P EXSS5030 Human Mechanics	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EXSS5047 Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)	Semester 1
EXSS5048 Exercise Throughout the Lifespan	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5049 Athlete Exercise Testing and Training	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5050 Human Motor Learning and Control	6		Semester 1
EXSS5051 Clinical Biomechanics	6	P EXSS5030 Human Mechanics <i>Not available during concurrent enrolment in EXSS5046 Sports Biomechanics. Prerequisite and concurrent enrolment rules do not apply to degree code SC149 Master of Exercise Physiology.</i>	Semester 2
EXSS5056 Clinical Exercise Science Practicum 1	12	A Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) P EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2 C EXSS5029 Exercise Metabolism and Physiology <i>Note: Department permission required for enrolment</i>	Semester 1
EXSS5057 Clinical Exercise Science Practicum 2	12	A EXSS5029 Exercise Metabolism and Physiology. Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) P EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2, EXSS5056 Clinical Exercise Practicum 1 <i>Note: Department permission required for enrolment</i>	Semester 2
EXSS5065 Clinical Exercise Science Case Studies 1	6		Semester 1
EXSS5066 Clinical Exercise Science Case Studies 2	6		Semester 2
EXSS5067 Seminar in Sport and Exercise Psychology	6		Semester 2

Note: The following courses are no longer open to new enrolments. The information below is provided for continuing students already enrolled in the programs.

Table 11.5: Master of Exercise and Sport Science (Clinical Exercise Science) Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC129: Credit points for award: 48			
Full-time, 2 semesters; part-time, 4 semesters			
Full-time mode			
Year 1			
Semester 1			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
Electives [18] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS5048 Exercise Throughout the Lifespan	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
Electives [18] (see elective list below)			
Electives for Master of Exercise and Sport Science (Clinical Exercise Science)			
Electives may be chosen from the list below, or subject to head of academic unit approval, may be taken from within or outside the Faculty.			
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
EXSS5030 Human Mechanics	6	A Fundamental functional anatomy	Semester 1
EXSS5036 Exercise for Clinical Populations	6	P EXSS5029 Exercise Metabolism and Physiology <i>Note: Department permission required for enrolment</i>	Semester 2
EXSS5047 Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)	Semester 1
EXSS5050 Human Motor Learning and Control	6		Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EXSS5051 Clinical Biomechanics	6	P EXSS5030 Human Mechanics <i>Not available during concurrent enrolment in EXSS5046 Sports Biomechanics. Prerequisite and concurrent enrolment rules do not apply to degree code SC149 Master of Exercise Physiology.</i>	Semester 2
EXSS5056 Clinical Exercise Science Practicum 1	12	A Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) P EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2 C EXSS5029 Exercise Metabolism and Physiology <i>Note: Department permission required for enrolment</i>	Semester 1
EXSS5057 Clinical Exercise Science Practicum 2	12	A EXSS5029 Exercise Metabolism and Physiology. Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) P EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2, EXSS5056 Clinical Exercise Practicum 1 <i>Note: Department permission required for enrolment</i>	Semester 2
PUBH5021 Global Obesity and Health Promotion <i>This unit of study is not available in 2011</i>	6	<i>Note: Department permission required for enrolment</i>	Semester 2
PUBH5022 Physical Activity and Public Health <i>This unit of study is not available in 2011</i>	6	A Prior research methods coursework at a master's level, similar to PUBH5010 Epidemiology Methods and Uses at the University of Sydney.	Semester 2

Table 11.5.1: Master of Exercise and Sport Science (Clinical Exercise Science) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC130: Credit points for award: 72			
Full-time, 3 semesters; part-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2			
Semester 1			
EXSS5063 Exercise Dissertation	24		Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

Table 11.6: Master of Exercise and Sport Science (Sports Performance) Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC127: Credit points for award: 48			
Full-time, 2 semesters; part-time, 4 semesters			
Full-time mode			
Year 1			
Semester 1			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
Electives [18] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS5046 Sports Biomechanics	6	P EXSS5030 Human Mechanics	Semester 2
EXSS5049 Athlete Exercise Testing and Training	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
Electives [12] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Part-time mode			
Year 1			
Semester 1			
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
Elective [6] (see elective list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
EXSS5046 Sports Biomechanics	6	P EXSS5030 Human Mechanics	Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
Electives [12] (see elective list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
EXSS5049 Athlete Exercise Testing and Training	6	P EXSS5029 Exercise Metabolism and Physiology	Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Electives for Master of Exercise and Sport Science (Sports Performance)			
Electives may be chosen from the list below, or subject to head of Discipline's approval, may be taken from within or outside the Discipline or Faculty.			
BACH5026 Special Investigation	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
EXSS5030 Human Mechanics	6	A Fundamental functional anatomy	Semester 1
EXSS5047 Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)	Semester 1
EXSS5050 Human Motor Learning and Control	6		Semester 1

Table 11.6.1: Master of Exercise and Sport Science (Sports Performance) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC128: Credit points for award: 72			
Full-time, 3 semesters; part-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2			
Semester 1			
EXSS5063 Exercise Dissertation	24		Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Years 1 and 2			
As per Pass course			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 3			
Semester 1			
EXSS5063 Exercise Dissertation	24		Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

12. Health Informatics

Master of Health Informatics

Information exchange is the core of a safe, efficient and effective health system. The underlying aim of the Master of Health Informatics program is to provide graduates with the required knowledge and skills to be able to understand and improve the way in which health care delivery and patient outcomes are enhanced through the effective use and exchange of information.

Health systems internationally are coming under increasing pressures driven by demographic, social and technological change. Existing models of health care delivery will not be sustainable in future decades. Information and communication technologies have a significant role to play in creating opportunities for new models of care delivery. Examples range from telemedicine applications supporting care delivery in the community to sophisticated clinical decision support systems accessible to clinicians at the point of care.

The Master of Health Informatics is intended to attract a diverse range of students with relevant undergraduate qualifications in health, computer science or related areas and provide them with the opportunity to complete an advanced program of study for entry to the health informatics profession. Reflecting the broad nature of health informatics the professional bodies associated with the profession are: the Australian College of Health Informaticians (www.achi.org.au); the Health Informatics Society of Australia (www.hisa.org.au) and the Health Information Management Association of Australia (www.himaa.org.au). The two key bodies internationally are the International Medical Informatics Association (www.imia.org) and the American Medical Informatics Association (www.amia.org).

The course focuses on three central knowledge areas: information and computer science, principles of health informatics, and research methods and analysis applied to health informatics. Each of these knowledge areas will underpin the philosophy of using information

technology to improve quality, safety and cost efficiency of healthcare. The course consists of 12 compulsory units of study and four electives. It is delivered full time over two years or students may elect to enrol part time (part-time study may be approved following consultation with the course director). The program provides a range of delivery modes to suit part-time students. Students may receive credit transfer for core units of study; however credit transfer for electives must be replaced with alternative units of study. Electives can be chosen from across the University of Sydney and include offerings by the School of Information Technologies and the School of Public Health.

Admission requirements

In order to qualify for admission to the Master of Health Informatics, applicants shall have:

- a bachelor's degree from an Australian tertiary institution or equivalent in a health related area, such as medicine, nursing or allied health, or
- a bachelor's degree from an Australian tertiary institution or equivalent in a non-health related area, such as computer science or commerce. (In this case, students must complete two prescribed units of study as electives Fundamentals of Medical Terminology and Health Care System.)

Applicants should normally have a grade point average of at least 4.5 (approximately equivalent to a credit average or better) in their bachelor's degree.

Course outline

The course outline for the Master of Health Informatics is presented in Table 12.1. Unit descriptions and a list of faculty electives are found in Chapter 20. Students can also choose electives from the Schools of Public Health and Information Technologies.

Table 12.1: Master of Health Informatics

Unit of study	Credit points	A: Assumed knowledge	P: Prerequisites	C: Corequisites	N: Prohibition	Session
Course code SC143: Credit points for award: 96						
Full-time, 4 semesters; part-time, minimum 8 semesters						
Full-time mode						
Year 1						
Semester 1						
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005				Semester 1 Semester 2
HIMT5085 Information Systems in Health Care	6	C HIMT5086 Health Informatics Principles <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>				Semester 1 Semester 2
HIMT5086 Health Informatics Principles	6	C HIMT5085 Information Systems in Health Care <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>				Semester 1 Semester 2
Elective [6] (see elective list below)						
SEMESTER 1 TOTAL: 24 CREDIT POINTS						



12. Health Informatics

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
BACH5068 Statistics for Clinical Research	6	Students must have access to a PC to load and use the statistics packages SAS or SPSS	Semester 1 Semester 2
COMP5138 Database Management Systems	6	A Intermediate level of object oriented programming such as Java.	Semester 1 Semester 2
HIMT5087 Professional Practice-Health Informatics	6	Note: Department permission required for enrolment in the following sessions: Semester 1	Semester 1 Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5058 Health Informatics Applications	6		Semester 1
HIMT5079 Health Informatics Research Project	6	P BACH5341 Research & Inquiry in Health Professions	Semester 1
HIMT5088 Health Informatics Evaluation	6		Semester 1
HIMT5089 Health Systems Data Analysis	6	P BACH5068 Statistics for Clinical Research	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT5060 Integration for Health Informatics	6		Semester 2
HIMT5065 Project Management	6		Semester 2
Elective [12] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
HIMT5085 Information Systems in Health Care	6	C HIMT5086 Health Informatics Principles Note: Department permission required for enrolment in the following sessions: Semester 2	Semester 1 Semester 2
HIMT5086 Health Informatics Principles	6	C HIMT5085 Information Systems in Health Care Note: Department permission required for enrolment in the following sessions: Semester 2	Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5087 Professional Practice-Health Informatics	6	Note: Department permission required for enrolment in the following sessions: Semester 1	Semester 1 Semester 2
Elective [6] (see elective list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
BACH5068 Statistics for Clinical Research	6	Students must have access to a PC to load and use the statistics packages SAS or SPSS	Semester 1 Semester 2
COMP5138 Database Management Systems	6	A Intermediate level of object oriented programming such as Java.	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3			
Semester 1			
HIMT5058 Health Informatics Applications	6		Semester 1
HIMT5088 Health Informatics Evaluation	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
HIMT5060 Integration for Health Informatics	6		Semester 2
HIMT5065 Project Management	6		Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 4			
Semester 1			
HIMT5089 Health Systems Data Analysis	6	P BACH5068 Statistics for Clinical Research	Semester 1
HIMT5079 Health Informatics Research Project	6	P BACH5341 Research & Inquiry in Health Professions	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Elective [12] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Electives			
Electives taken may vary in credit points, but the total electives taken must equal 24 credit points.			
Electives may be chosen from across the University of Sydney, including offerings from the Schools of Public Health and Information Technologies, with approval of the course coordinator.			
BACH5255 Qualitative Research Methods	6		Semester 2
HIMT5023 Fundamentals of Medical Terminology	6		Semester 2
HIMT5059 Health Classification Systems	6		Semester 1
HIMT5067 Evidence Based Health Care	6		Semester 1
HIMT5069 Health Care Systems	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
HIMT5092 International Disease Classification A	6		Semester 1
HIMT5093 International Disease Classification B	6	P HIMT5092 International Disease Classification A	Semester 2
HIMT5090 Dissertation	12	P HIMT5079 Health Informatics Research Project, BACH5341 Research & Enquiry in Health Professions <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2

13. Medical Radiation Sciences

The Faculty of Health Sciences is a leader in the provision of a wide range of postgraduate programs, both coursework and research, in the discipline of medical radiation sciences. Our programs are designed and delivered by multidisciplinary world experts in the subject area and prepare students to be leaders within their chosen fields. Our courses are unique and are characterised by embracing the latest research findings, demystifying the most modern relevant technologies and demonstrating state-of-the-art methodologies.

There are three distinct postgraduate pathways offered within the discipline.

Graduate-entry programs

Master of Diagnostic Radiography (MDR), Master of Nuclear Medicine (MNM) and Master of Radiation Therapy (MRT)

These programs prepare entrants for practice in three professional streams – diagnostic radiography, nuclear medicine and radiation therapy.

Graduate-Entry Master's Course Directors

Dr John Ryan (Curriculum design, course planning and staffing)
Associate Professor Michael Kassiou (Curriculum review)

Graduate-entry programs

Admission requirements

The admission requirements for the Master of Diagnostic Radiography, Master of Nuclear Medicine and Master of Radiation Therapy are:

- a PhD, master's or bachelor's degree from an Australian institution or equivalent

Master of Diagnostic Radiography

The MDR aims to prepare graduates who hold an undergraduate degree for professional practice as a diagnostic radiographer. As this program leads to eligibility to practise, students in the course will be assisted in achieving prescribed professional competencies through practical and theoretical skill acquisition and by undertaking clinical fieldwork placements. Students undertake clinical placements in centres which are part of both the public and private sector.

During these placements they have the opportunity to develop an understanding of the career path they have chosen and its place in the modern medical environment. The pace of work in the MDR is reflective of postgraduate expectations, as is the level and complexity of the issues dealt with in the degree, including research project design.

A diagnostic radiographer is a qualified health professional who utilises a range of modalities to provide images and data for the diagnosis and treatment of an injury or disease. The diagnostic radiographer has the skills and knowledge to produce medical images and critically analyse these images and data generated to determine whether they are diagnostically adequate and appropriate for radiological interpretation. In the radiology department the diagnostic radiographer

Postgraduate coursework programs

Postgraduate MRS Course Directors

Master of Molecular Imaging
Professor Steven Meikle

Master of Health Sciences (MRS)
Associate Professor Michael Kassiou (Curriculum review)
Mr Peter Kench (Staff)
Mr Warren Reed (Students)

Postgraduate research programs

Research Coordinator

Associate Professor Jenny Cox

Further information on research degrees offered by the Faculty of Health Sciences is provided in Chapter 19.

Further information

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fhs.usyd.edu.au

- the highest-achieving students will be guaranteed entry to a graduate-entry masters' program in the Faculty of Health Sciences.
- The English language proficiency requirement is an IELTS score of at least 7.0 with at least 6.5 in speaking and writing for international students from a non-English speaking academic background.

will usually work with the radiologist, however, outside the department they may work with a range of medical specialists in a variety of areas.

Honours

(Not available to students commencing after 2010. This information is for continuing students only.)

The honours dissertation will follow the University policy regarding length of written output, that it should not exceed 20,000 words: www.usyd.edu.au/ab/policies/Guidelines_Terms.pdf. Honours grades will be determined by the performance of students in the honours dissertation as well as related units of study and follow University guidelines on assessment of coursework masters honours: www.fhs.usyd.edu.au/learn_teach/mhonsmrkngmatrix.doc.

Course outline

The course will be offered full time at a postgraduate level leading to the award of the degree, Master of Diagnostic Radiography. The general structure of the course is two years, full time with four semesters of four six-credit-point units including theoretical and clinical units of study, as based on a 16 week teaching calendar. Clinical placements will occur both during semester times and outside normal semester times as detailed in the clinical placement calendars.



The course outlines for the Master of Diagnostic Radiography at both pass and honours levels are presented in Tables 13.1 and 13.1.1.

See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 13.1: Master of Diagnostic Radiography (Pass)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC131: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
BIOS5092 Bio Sciences for Health Professionals	6		Semester 1
MRSC5001 Professional Practice Radiography 1	6		Semester 1
MRSC5026 Clinical Studies Radiography 1	6		Semester 1
MRSC5045 Medical Radiation Science 1 Radiography	6	N MRSC5002	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5003 Foundations of Health Care Practice	6		Semester 2
MRSC5005 Professional Practice Radiography 2	6	P MRSC5001 Professional Practice Radiography 1	Semester 2
MRSC5027 Clinical Studies Radiography 2	6	P MRSC5026 Clinical Studies Radiography 1	Semester 2
Elective [6] (see elective list below Table 13.3.1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5067 Evidence Based Health Care	6		Semester 1
MRSC5013 Professional Practice Radiography 3	6	P MRSC5005 Professional Practice Radiography 2	Semester 1
MRSC5028 Clinical Studies Radiography 3	6	P MRSC5027 Clinical Studies Radiography 2	Semester 1
MRSC5038 Medical Radiation Science Radiography 2	6	P MRSC5002 Medical Radiation Science 1	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5014 Professional Practice Radiography 4	6	P MRSC5013 Professional Practice Radiography 3	Semester 2
MRSC5029 Clinical Studies Radiography 4	6	P MRSC5028 Clinical Studies Radiography 3	Semester 2
MRSC5039 Medical Radiation Science Radiography 3	6	P MRSC5038 Medical Radiation Science Radiography 2	Semester 2
MRSC5044 Advanced MRS Practice	6	P MRSC5013 Professional Practice Radiography 3 or MRSC5022 Professional Practice Nuclear Medicine 3 or MRSC5024 Professional Practice Rad Therapy 3	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 13.1.1: Master of Diagnostic Radiography (Honours)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Not available to students commencing after 2010			
Course code SC132: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 2			
Last offered 2011			
Semester 1			
MRSC5013 Professional Practice Radiography 3	6	P MRSC5005 Professional Practice Radiography 2	Semester 1
MRSC5021 Honours Dissertation B	6	P MRSC5008 Honours Dissertation A	Semester 1
MRSC5028 Clinical Studies Radiography 3	6	P MRSC5027 Clinical Studies Radiography 2	Semester 1
MRSC5038 Medical Radiation Science Radiography 2	6	P MRSC5002 Medical Radiation Science 1	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5014 Professional Practice Radiography 4	6	P MRSC5013 Professional Practice Radiography 3	Semester 2
MRSC5029 Clinical Studies Radiography 4	6	P MRSC5028 Clinical Studies Radiography 3	Semester 2
MRSC5039 Medical Radiation Science Radiography 3	6	P MRSC5038 Medical Radiation Science Radiography 2	Semester 2
MRSC5044 Advanced MRS Practice	6	P MRSC5013 Professional Practice Radiography 3 or MRSC5022 Professional Practice Nuclear Medicine 3 or MRSC5024 Professional Practice Rad Therapy 3	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Master of Nuclear Medicine

The MNM aims to prepare graduates who hold an undergraduate degree, for professional practice as a nuclear medicine technologist. As this program leads to eligibility to practise, students in the course will be assisted in achieving prescribed professional competencies through practical and theoretical skill acquisition and by undertaking clinical fieldwork placements. Students undertake clinical placements in centres which are part of both the public and private sector.

During these placements they have the opportunity to develop an understanding of the career path they have chosen and its place in the modern medical environment. The pace of work in the MNM is reflective of postgraduate expectations, as are the level and complexity of the issues dealt with in the degree, including research project design.

A nuclear medicine technologist works in the field of medicine that uses radionuclides in the diagnosis and treatment of disease. A nuclear medicine technologist's responsibilities include the preparation and administration of radiopharmaceuticals to patients and the acquisition and computer analysis of diagnostic functional images using sophisticated instrumentation.

Therapeutic radiopharmaceuticals are prepared for administration and are used in the treatment of specific diseases. New developments in both instrumentation, for example, Positron Emission Tomography (PET), and radiopharmaceuticals produced from a cyclotron make this a rapidly evolving and exciting technology.

Nuclear medicine technologists have responsibility for critically analysing images and data to determine whether they are of a high

diagnostic standard; for performing quality control procedures in all aspects of their work and for ensuring that they provide a high level of patient care.

Honours

(Not available to students commencing after 2010. This information is for continuing students only.)

The honours dissertation will follow the University policy regarding length of written output, that it should not exceed 20,000 words: www.usyd.edu.au/ab/policies/Guidelines_Terms.pdf. Honours grades will be determined by the performance of students in the honours dissertation as well as related units of study and follow University guidelines on assessment of coursework masters honours: www.fhs.usyd.edu.au/learn_teach/mhonsmrkngmatrix.doc.

Course outline

The course will be offered full time at a postgraduate level leading to the award of the degree, Master of Nuclear Medicine. The degree will be offered at the pass or honours level.

The general structure of the course is two years, full time with four semesters of four six-credit-point units including theoretical and clinical units of study, as based on a 16 week teaching calendar. Clinical placements will occur both during semester times and outside normal semester times as detailed in the clinical placement calendars.

The course outlines for the Master of Nuclear Medicine pass and honours are presented in Tables 13.2 and 13.2.1. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 13.2: Master of Nuclear Medicine (Pass)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC133: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
BIOS5092 Bio Sciences for Health Professionals	6		Semester 1
MRSC5009 Professional Practice Nuclear Medicine 1	6		Semester 1
MRSC5030 Clinical Studies Nuclear Medicine 1	6		Semester 1
MRSC5046 Medical Radiation Sci Nuclear Medicine	6	N MRSC5002	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5003 Foundations of Health Care Practice	6		Semester 2
MRSC5010 Professional Practice Nuclear Medicine 2	6	P MRSC5009 Professional Practice Nuclear Medicine 1	Semester 2
MRSC5031 Clinical Studies Nuclear Medicine 2	6	P MRSC5030 Clinical Studies Nuclear Medicine 1	Semester 2
Elective [6] (see elective list below Table 13.3.1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5067 Evidence Based Health Care	6		Semester 1
MRSC5022 Professional Practice Nuclear Medicine 3	6	P MRSC5010 Professional Practice Nuclear Medicine 2	Semester 1
MRSC5032 Clinical Studies Nuclear Medicine 3	6	P MRSC5031 Clinical Studies Nuclear Medicine 2	Semester 1
MRSC5040 Medical Radiation Science Nuclear Med 2	6	P MRSC5002 Medical Radiation Science 1	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5023 Professional Practice Nuclear Medicine 4	6	P MRSC5022 Professional Practice Nuclear Medicine 3	Semester 2
MRSC5033 Clinical Studies Nuclear Medicine 4	6	P MRSC5032 Clinical Studies Nuclear Medicine 3	Semester 2
MRSC5041 Medical Radiation Science Nuclear Med 3	6	P MRSC5040 Medical Radiation Science Nuclear Med 2	Semester 2
MRSC5044 Advanced MRS Practice	6	P MRSC5013 Professional Practice Radiography 3 or MRSC5022 Professional Practice Nuclear Medicine 3 or MRSC5024 Professional Practice Rad Therapy 3	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 13.2.1: Master of Nuclear Medicine (Honours)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC134: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 2			
Last offered 2011			
Semester 1			
MRSC5021 Honours Dissertation B	6	P MRSC5008 Honours Dissertation A	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MRSC5022 Professional Practice Nuclear Medicine 3	6	P MRSC5010 Professional Practice Nuclear Medicine 2	Semester 1
MRSC5032 Clinical Studies Nuclear Medicine 3	6	P MRSC5031 Clinical Studies Nuclear Medicine 2	Semester 1
MRSC5040 Medical Radiation Science Nuclear Med 2	6	P MRSC5002 Medical Radiation Science 1	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5023 Professional Practice Nuclear Medicine 4	6	P MRSC5022 Professional Practice Nuclear Medicine 3	Semester 2
MRSC5033 Clinical Studies Nuclear Medicine 4	6	P MRSC5032 Clinical Studies Nuclear Medicine 3	Semester 2
MRSC5041 Medical Radiation Science Nuclear Med 3	6	P MRSC5040 Medical Radiation Science Nuclear Med 2	Semester 2
MRSC5044 Advanced MRS Practice	6	P MRSC5013 Professional Practice Radiography 3 or MRSC5022 Professional Practice Nuclear Medicine 3 or MRSC5024 Professional Practice Rad Therapy 3	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Master of Radiation Therapy

The MRT aims to prepare graduates who hold an undergraduate degree for professional practise as a radiation therapist. As this program leads to eligibility to practice, students in the course will be assisted in achieving prescribed professional competencies through practical and theoretical skill acquisition and by undertaking clinical fieldwork placements. Students undertake clinical placements in centres which are part of both the public and private sector.

During these placements they have the opportunity to develop an understanding of the career path they have chosen and its place in the modern medical environment. The pace of work in the MRT is reflective of postgraduate expectations, as is the level and complexity of the issues dealt with in the degree, including research project design.

A radiation therapist is responsible for the accurate and precise planning, calculation and delivery of radiation to cure or relieve the symptoms of malignant disease. A radiation therapist is involved in the localisation of the treatment area using treatment simulators and CT scans, the design and calculation of the treatment technique using sophisticated three-dimensional computerised planning systems, and the daily treatment of patients. They also provide emotional, social and educational support to their patients and because patients undergo treatment for several weeks, radiation therapists have the opportunity to develop friendly and supportive relationships with their patients.

Honours

(Not available to students commencing after 2010. This information is for continuing students only.)

The honours dissertation will follow the University policy regarding length of written output, that it should not exceed 20,000 words: www.usyd.edu.au/ab/policies/Guidelines_Terms.pdf. Honours grades will be determined by the performance of students in the honours dissertation as well as related units of study and follow university guidelines on assessment of coursework masters honours: www.fhs.usyd.edu.au/learn_teach/mhonsmrkngmatrx.doc.

Course outline

The course will be offered full time at a postgraduate level leading to the award of the degree, Master of Radiation Therapy. The degree will be offered at the pass or honours level.

The general structure of the course is two years, full time with four semesters of four six-credit-point units including theoretical and clinical units of study, as based on a 16 week teaching calendar. Clinical placements will occur both during semester times and outside normal semester times as detailed in the clinical placement calendars.

The course outlines for the Master of Radiation Therapy at both pass and honours levels are presented in Tables 13.3 and 13.3.1. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 13.3: Master of Radiation Therapy (Pass)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC135: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
BIOS5092 Bio Sciences for Health Professionals	6		Semester 1
MRSC5011 Professional Practice Rad Therapy 1	6		Semester 1

13. Medical Radiation Sciences

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
MRSC5034 Clinical Studies Radiation Therapy 1	6		Semester 1
MRSC5047 Medical Radiation Sci Radiation Therapy	6	N MRSC5002	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5003 Foundations of Health Care Practice	6		Semester 2
MRSC5012 Professional Practice Rad Therapy 2	6	P MRSC5011 Professional Practice Rad Therapy 1	Semester 2
MRSC5035 Clinical Studies Radiation Therapy 2	6	P MRSC5034 Clinical Studies Radiation Therapy 1	Semester 2
Elective [6] (see elective list below Table 13.3.1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5067 Evidence Based Health Care	6		Semester 1
MRSC5024 Professional Practice Rad Therapy 3	6	P MRSC5012 Professional Practice Radiation Therapy 2	Semester 1
MRSC5036 Clinical Studies Radiation Therapy 3	6	P MRSC5035 Clinical Studies Radiation Therapy 2	Semester 1
MRSC5042 Medical Radiation Science Rad Therapy 2	6	P MRSC5002 Medical Radiation Science 1	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5025 Professional Practice Rad Therapy 4	6	P MRSC5024 Professional Practice Radiation Therapy 3	Semester 2
MRSC5037 Clinical Studies Radiation Therapy 4	6	P MRSC5036 Clinical Studies Radiation Therapy 3	Semester 2
MRSC5043 Medical Radiation Science Rad Therapy 3	6	P MRSC5042 Medical Radiation Science Rad Therapy 2	Semester 2
MRSC5044 Advanced MRS Practice	6	P MRSC5013 Professional Practice Radiography 3 or MRSC5022 Professional Practice Nuclear Medicine 3 or MRSC5024 Professional Practice Rad Therapy 3	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 13.3.1: Master of Radiation Therapy (Honours)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Note available to students commencing after 2010.			
Course code SC136: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 2			
Last offered 2011			
Semester 1			
MRSC5021 Honours Dissertation B	6	P MRSC5008 Honours Dissertation A	Semester 1
MRSC5024 Professional Practice Rad Therapy 3	6	P MRSC5012 Professional Practice Radiation Therapy 2	Semester 1
MRSC5036 Clinical Studies Radiation Therapy 3	6	P MRSC5035 Clinical Studies Radiation Therapy 2	Semester 1
MRSC5042 Medical Radiation Science Rad Therapy 2	6	P MRSC5002 Medical Radiation Science 1	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRSC5025 Professional Practice Rad Therapy 4	6	P MRSC5024 Professional Practice Radiation Therapy 3	Semester 2

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
MRSC5037 Clinical Studies Radiation Therapy 4	6	P MRSC5036 Clinical Studies Radiation Therapy 3	Semester 2
MRSC5043 Medical Radiation Science Rad Therapy 3	6	P MRSC5042 Medical Radiation Science Rad Therapy 2	Semester 2
MRSC5044 Advanced MRS Practice	6	P MRSC5013 Professional Practice Radiography 3 or MRSC5022 Professional Practice Nuclear Medicine 3 or MRSC5024 Professional Practice Rad Therapy 3	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Graduate entry electives

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Electives			
Electives may be taken from within or outside the Faculty of Health Sciences, subject to availability, prerequisites and minimum student enrolment. Students must discuss their choice of elective with their academic adviser prior to enrolment. Students may choose to select from the following suggested pool of electives			
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2

Graduate Certificate of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiation professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a two semester (minimum) off-campus course, comprising 24 credit points. There is no requirement to complete a coherent major area. Up to six credit points may be gained by studying an approved unit from outside the University. There are no obligatory units of study in this program.

Students who successfully complete the Graduate Certificate will be able to:

- carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- write coherently and logically
- translate their learning to the workplace and take a place as a senior practitioner and
- apply informed critical thinking to their professional activities.

It should be noted that the MRS graduate coursework program does not lead to accreditation or license to practise as a radiographer, radiation therapist or nuclear medicine scientist in Australia. This can only be achieved by completing the undergraduate or graduate-entry degree accredited by the relevant professional body.

Admission requirements

In order to qualify for admission, applicants must have one of the following:

- a bachelor's degree in a relevant field.

- a Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another university
- Other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty.

Students who entered the Graduate Certificate or Graduate Diploma of Health Science (Medical Radiation Sciences) with an undergraduate diploma or less will be required to achieve at least a credit average to be able to articulate to the Master of Health Science (Medical Radiation Sciences). Acceptance into the MRS graduate program and articulation from any level of the program to any higher level is at the discretion of the academic advisor and program coordinator. The lower level award will be relinquished on achieving the higher award; however, full credit transfer will be given for the four units of study completed in the Graduate Certificate or the six units completed in the graduate diploma, leaving only a further four or two units of study respectively to be completed to achieve the masters.

Course outline

The course outline for the Graduate Certificate of Health Science (Medical Radiation Sciences) is presented in Table 13.4. A minimum of 12 credit points must be completed from Medical Radiation Sciences electives (listed after Table 13.7). See Chapter 20 for unit descriptions and a list of faculty and research electives.

Students' programs of study must be approved by the Course Director before enrolment. Units in this course will be offered depending on sufficient enrolments.

Table 13.4: Graduate Certificate of Health Science (Medical Radiation Sciences)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SG024: Credit points for award: 24			
Off-campus: part-time, 2 semesters			

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Year 1			
Semester 1			
Two electives [12] (see elective list below Table 13.6)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Two electives [12] (see elective list below Table 13.6)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Graduate Diploma of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiation professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a three-semester (minimum) off-campus course, comprising 36 credit points. To qualify for a Certificate of Specialisation issued by the Discipline of Medical Radiation Sciences, there should be a minimum of 30 credit points from a major area. Up to 12 credit points may be gained by studying electives from outside the University. There is one obligatory unit of study that must be completed by all students.

Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Graduate Diploma course. This qualification will be relinquished on achieving the Graduate Diploma qualification.

Students who successfully complete the Graduate Diploma will be able to:

- carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- write coherently and logically
- discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- translate their learning to the workplace and take a place as a senior practitioner
- apply informed critical thinking to their professional activities.

It should be noted that the MRS graduate coursework program does not lead to accreditation or licensure to practise as a radiographer, radiation therapist or nuclear medicine scientist in Australia. This can only be achieved by completing the undergraduate or graduate-entry degree accredited by the relevant professional body.

Admission requirements

In order to qualify for admission, applicants must have one of the following:

- a bachelor's degree in a relevant field
- a Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another university
- other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty.

Students who entered the Graduate Certificate or Graduate Diploma of Health Science (Medical Radiation Sciences) with an undergraduate diploma or less will be required to achieve at least a credit average to be able to articulate to the Master of Health Science (Medical Radiation Sciences). Acceptance into the MRS graduate program and articulation from any level of the program to any higher level is at the discretion of the academic advisor and program coordinator. The lower level award will be relinquished on achieving the higher award; however, full credit transfer will be given for the 4 units of study completed in the Graduate Certificate or the 6 units completed in the Graduate Diploma, leaving only a further four or two units of study respectively to be completed to achieve the Masters.

Course outline

The course outline for the Graduate Diploma of Health Science (Medical Radiation Sciences) is presented in Table 13.5. A minimum of 18 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences elective units of study listed after 13.7. The remaining credit points may be completed from other academic units within the Faculty of Health Sciences. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Students' programs of study must be approved by the course coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

Table 13.5: Graduate Diploma of Health Science (Medical Radiation Sciences)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SF053: Credit points for award: 36			
Off-campus: part-time, 3 semesters			
Year 1			
Semester 1			
Two electives [12] (see elective list below Table 13.6)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Two electives [12] (see elective list below Table 13.6)			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
MRTY5024	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1
Current Issues in Medical Radiations			Semester 2
Elective [6] (see elective list below Table 13.6)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
Two electives [12] (see elective list below Table 13.6)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			

Master of Health Science (Medical Radiation Sciences)

This course aims to advance the knowledge, skills, and attributes of medical radiation professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a four-semester (minimum) off-campus course comprising 48 credit points. To qualify for a Certificate of Specialisation issued by the Discipline of Medical Radiation Sciences, there should be a minimum of 30 credit points from a major area. Up to 18 credit points may be gained by cross-institutional enrolment in approved units of study. There is one obligatory unit of study that must be completed.

Holders of the Graduate Diploma of Health Science (Medical Radiation Sciences) will receive credit transfer for 36 credit points of the Master's course. Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Master's course. These qualifications will be relinquished on achieving the Master's qualification.

Students who successfully complete the Master's program will be able to:

- carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- investigate in detail a topic of interest
- write coherently and logically
- discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- translate their learning to the workplace and take a place as a senior practitioner
- apply informed critical thinking to their professional activities.

It should be noted that the MRS graduate coursework program does not lead to accreditation or license to practise as a radiographer, radiation therapist or nuclear medicine scientist in Australia. This can only be achieved by completing the undergraduate or graduate-entry degree accredited by the relevant professional body.

Admission requirements

In order to qualify for admission, applicants must have one of the following:

- a bachelor's degree in a relevant field
- a Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another university
- other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty.

Students who entered the Graduate Certificate or Graduate Diploma of Health Science (Medical Radiation Sciences) with an undergraduate diploma or less will be required to achieve at least a credit average to be able to articulate to the Master of Health Science (Medical Radiation Sciences). Acceptance into the MRS graduate program and articulation from any level of the program to any higher level is at the discretion of the academic advisor and program coordinator. The lower level award will be relinquished on achieving the higher award; however, full credit transfer will be given for the four units of study completed in the graduate certificate or the six units completed in the graduate diploma, leaving only a further four or two units of study respectively to be completed to achieve the masters.

Course outline

The course outline for the Master of Health Science (Medical Radiation Sciences) is presented in Table 13.6. A minimum of 24 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences electives listed after Table 13.7. The remaining credit points may be completed from other academic units within the Faculty of Health Sciences. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Students' programs of study must be approved by the course coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

Table 13.6: Master of Health Science (Medical Radiation Sciences)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC077: Credit points for awards: 48			
Off-campus: part-time, 4 semesters			
Year 1			
Semester 1			
Two electives [12] (see elective list below)			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
MRTY5024 Current Issues in Medical Radiations	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
Two electives [12] (see elective list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Two electives [12] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Master of Molecular Imaging

Molecular imaging is a sophisticated form of biomedical imaging, which is rapidly growing in importance in the applied life sciences. The key technologies for imaging molecular events in humans and animal models of human disease are positron emission tomography (PET), single photon emission computed tomography (SPECT) and magnetic resonance imaging (MRI). These technologies are continually evolving as scientists and engineers develop new imaging probes, instrumentation and computational algorithms and find new applications for the technology in biomedical research and the biotechnology sector.

This course will prepare graduates to take their place as members and ultimately leaders, of multidisciplinary teams that advance these technologies beyond their current capabilities to meet the future challenges in biomedicine. As such, the course will extend their capacities for problem solving and independent critical analysis. They

will gain deep insights into the design of molecular probes (i.e. radiopharmaceuticals and contrast agents) to image gene, protein and cell function in health and disease, the physical principles of the key imaging technologies and their current and future applications in the life sciences.

The course comprises a research pathway and an industry pathway. In the first part of the course, which is common to both pathways, students explore the design of molecular probes to image gene, protein and cell function in health and disease, the physical principles of the key imaging technologies and the correlates of imaging and disease. In the second part of the course, students may choose to follow a research pathway, which provides an ideal platform for entry to Ph.D. research, or an industry pathway, which explores in greater depth the role of molecular imaging in the biotechnology industry.

Table 13.7: Master of Molecular Imaging

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC157: Pass course; full-time, 1 year; part-time, 2 years			
Full-Time			
Year 1			
Semester 1			
MRTY5108 Molecular Targets and Imaging Probes	6		Semester 1
MRTY5109 Radiotracer Based Molecular Imaging	6		Semester 1
MRTY5110 Pathological Correlates of Mol. Imaging	6	C MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5111 Magnetic Resonance Imaging Fundamentals	Semester 1
MRTY5111 Magnetic Resonance Imaging Fundamentals	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Industry Stream			
Select two elective units from the following:			
PHYS5020 Computation and Image Processing	6		Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MCAN5101 Confocal and Fluorescence Microscopy	6		Semester 1 Semester 2
MCAN5111 Microscopy of Biomolecular Processes	6	A MCAN5101 or MCAN5102 or equivalent	Semester 2
PHAR5515 Pharmaceutical Science	6		Semester 1
PHAR5513 Pharmaceutical Chemistry 1A	6		Semester 1
COMP5424 Information Technology in Biomedicine	6	A Basic programming skills	Semester 1
and			
HSGS5001 Research Dissertation	12	Note: Department permission required for enrolment	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
or			
Research Stream			
MRTY5112 Molecular Imaging Advanced	6	P MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5110 Pathological Correlates of Molecular Imaging, MRTY5111 Magnetic Resonance Imaging Fundamentals	Semester 2
MRTY5113 Research Project	18	P MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5110 Magnetic Resonance Imaging Fundamentals, MRTY5111 Pathological Correlates of Molecular Imaging	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-Time			
Year 1			
Semester 1			
MRTY5108 Molecular Targets and Imaging Probes	6		Semester 1
MRTY5109 Radiotracer Based Molecular Imaging	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Industry Stream			
Select elective units from the following:			
PHYS5020 Computation and Image Processing	6		Semester 2
MCAN5101 Confocal and Fluorescence Microscopy	6		Semester 1 Semester 2
MCAN5111 Microscopy of Biomolecular Processes	6	A MCAN5101 or MCAN5102 or equivalent	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
or			
Research Stream			
MRTY5112 Molecular Imaging Advanced	6	P MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5110 Pathological Correlates of Molecular Imaging, MRTY5111 Magnetic Resonance Imaging Fundamentals	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
MRTY5110 Pathological Correlates of Mol. Imaging	6	C MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5111 Magnetic Resonance Imaging Fundamentals	Semester 1
MRTY5111 Magnetic Resonance Imaging Fundamentals	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Industry Stream			
HSGS5001 Research Dissertation	12	Note: Department permission required for enrolment	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
or			
Research Stream			
MRTY5113 Research Project	18	P MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5110 Magnetic Resonance Imaging Fundamentals, MRTY5111 Pathological Correlates of Molecular Imaging	Semester 2
SEMESTER 2 TOTAL: 18 CREDIT POINTS			

Medical Radiation Sciences electives

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 1			
BACH5085 Clinical Teaching and Supervision	6		Semester 1
BACH5002 Educational Design	6	<i>Note: Department permission required for enrolment Broadband internet access is desirable</i>	Semester 1 Semester 2
MRTY5039 CT Applications	6		Semester 1
MRTY5040 CT Practice I	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
MRTY5042 Digital Communications in Med Radiations	6		Semester 1
MRTY5043 Directed Studies A	6		Semester 1
MRTY5051 MR Theory	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
MRTY5052 MR Applications 1	6		Semester 1
MRTY5090 Advanced Multiplanar Anatomy A	6		Semester 1
MRTY5058 Quality Management in Medical Radiations	6		Semester 1
MRTY5098 Radiographic Image Interpretation A	6	A It is recommended that MRTY5030 Advanced Radiographic Pathology be completed before taking this unit	Semester 1
Semester 2			
BACH5042 Teaching Clinical Reasoning	6		Semester 2
BACH5116 Developing eLearning in Health Contexts	6	A Basic computer skills and some knowledge of adult learning theory would be useful <i>Broadband internet access is essential</i>	Semester 2
MRTY5024 Current Issues in Medical Radiations	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
MRTY5041 CT Practice II	6		Semester 2
MRTY5044 Directed Studies B	6	P MRTY5043 Directed Studies A	Semester 2
MRTY5053 MR Applications 2	6	P MRTY5051 MR Theory <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
MRTY5056 Patient/Practitioner Communication	6		Semester 2
MRTY5087 Advanced MR Theory	6	P MRTY5051 MR Theory	Semester 2
MRTY5091 Advanced Multiplanar Anatomy B	6		Semester 2
MRTY5099 Radiographic Image Interpretation B	6	A It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit	Semester 2
Notes			
For the list of Faculty electives, see Chapter 20.			

14. Occupational Therapy

Master of Occupational Therapy

The Master of Occupational Therapy provides an advanced program of study for entry to the occupational therapy profession for students who have completed an undergraduate degree. The course is built around a conceptual framework titled 'Education of Community of Practice Capability now and in the Future: Towards Person-Environment Occupation Fit'.

The curriculum is designed around the professional competency requirements for occupational therapy practice. The course is accredited with OT Australia and the World Federation of Occupational Therapists.

Note: Students may be required to satisfactorily complete an English proficiency assessment prior to professional practice or fieldwork placements.

Admission requirements

To qualify for admission applicants will need:

- a PhD, master's or bachelor's degree from an Australian institution or equivalent.
- a grade point average of 4.5 or greater (approximately equivalent to a credit average or better) assessed on the highest ranked tertiary qualification presented.

Note: Students without a human health and/or human functioning background may be advised to complete prescribed units of study in anatomy and/or psychology as electives.

Assumed knowledge

Students are expected to enter the program with the following skills. Where these skills require further development students should seek additional preparation prior to commencing Semester 1, for example via bridging courses, community college programs or summer schools according to your level of need.

1. Competence in English language is expected prior to entering this course. Where English competence is insufficient prospective students should pursue, or may be required to complete, intensive English language preparation prior to commencement of the course.
2. International students are required to achieve an average IELTS score of 7.0 with a minimum score of 7.0 for writing and speaking. International student enrolment offers may include a requirement to complete intensive English preparation prior to commencement of the course.
3. Students will be expected to demonstrate competence in computing skills, particularly word processing and internet searching skills, from the beginning of the course.

Course outline

The course outlines for the Master of Occupational Therapy and Master of Occupational Therapy (Honours) programs are presented in Tables 14.1 and 14.1.1. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 14.1 Master of Occupational Therapy

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC141: Credit points for award: 96			
On-campus: full-time, 4 semesters; part-time, 8 semesters			
Full-time mode			
Year 1			
Semester 1			
OCCP5207 Assessing Evidence for OT Practice	6	C OCCP5237 Introduction to OT Theory and Practice or OCCP5211	Semester 1
OCCP5217 OT Assessment and Planning	6	A English and computing skills	Semester 1
OCCP5237 Introduction to OT Theory and Practice	6	A Skills are assumed in the following areas: communicating in English, computer and word processing, interacting positively with others. <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1
and one of			
BACH5321 Psychology for Graduate Students	6	Note: Department permission required for enrolment in the following sessions: Semester 2	Semester 1 Semester 2
BIOS5090 Clin. Oriented Musculoskeletal Anatomy A	6		Semester 1 Semester 2
BIOS5091 Clinically Based Neuroscience	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP5208 Biomechanical & Sensorimotor Strategies	6	P Musculo-skeletal anatomy knowledge	Semester 2



14. Occupational Therapy

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
OCCP5218 OT in Home and Community Environments	6	P Musculo-skeletal anatomy knowledge C OCCP5208 Biomechanical & Sensorimotor Strategies	Semester 2
OCCP5219 OT in School and Work Environments	6	P OCCP5217 OT Assessment and Planning	Semester 2b
OCCP5238 Developing OT Prof. Skills in Practice	6	P OCCP5237 Introduction to OT Theory and Practice or OCCP5211 <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
OCCP5222 Psychosocial and Cognitive Strategies	6	P OCCP5217 OT Assessment and Planning	Semester 1
OCCP5228 Person - Environment - Occupation	6	P OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments	Semester 1
OCCP5239 Community Based OT Fieldwork	6	P (OCCP5237 and OCCP5238) or (OCCP5211 and OCCP5212) <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1
Choose one elective [6]			
Electives may be chosen from units of study available throughout the University, subject to approval, availability and minimum enrolment. A list of electives available in the Faculty of Health Sciences is included in Chapter 14 of the handbook.			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP5240 Implementing Skills in OT Prof Practice	9	P OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i> <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1 Semester 2
OCCP5241 Evaluation of OT Practice	6	P OCCP5207 Assessing Evidence for OT Practice, OCCP5217 OT Assessment and Planning, OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Professional Skills in Practice C OCCP5240 Implementing Skills in OT Professional Practice <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
OCCP5242 Reflexivity and OT Professional Practice	9	P OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork C OCCP5240 Implementing Skills in OT Professional Practice <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i> <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
OCCP5237 Introduction to OT Theory and Practice	6	A Skills are assumed in the following areas: communicating in English, computer and word processing, interacting positively with others. <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1
and one of			
BACH5321 Psychology for Graduate Students	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
BIOS5090 Clin. Oriented Musculoskeletal Anatomy A	6		Semester 1 Semester 2
BIOS5091 Clinically Based Neuroscience	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5208 Biomechanical & Sensorimotor Strategies	6	P Musculo-skeletal anatomy knowledge	Semester 2
OCCP5218 OT in Home and Community Environments	6	P Musculo-skeletal anatomy knowledge C OCCP5208 Biomechanical & Sensorimotor Strategies	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 2			
Semester 1			
OCCP5207 Assessing Evidence for OT Practice	6	C OCCP5237 Introduction to OT Theory and Practice or OCCP5211	Semester 1
OCCP5217 OT Assessment and Planning	6	A English and computing skills	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5219 OT in School and Work Environments	6	P OCCP5217 OT Assessment and Planning	Semester 2b
OCCP5238 Developing OT Prof. Skills in Practice	6	P OCCP5237 Introduction to OT Theory and Practice or OCCP5211 <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3			
Semester 1			
OCCP5222 Psychosocial and Cognitive Strategies	6	P OCCP5217 OT Assessment and Planning	Semester 1
OCCP5239 Community Based OT Fieldwork	6	P (OCCP5237 and OCCP5238) or (OCCP5211 and OCCP5212) <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5240 Implementing Skills in OT Prof Practice	9	P OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
OCCP5241 Evaluation of OT Practice	6	P OCCP5207 Assessing Evidence for OT Practice, OCCP5217 OT Assessment and Planning, OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Professional Skills in Practice C OCCP5240 Implementing Skills in OT Professional Practice <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 15 CREDIT POINTS			
Year 4			
Semester 1			
OCCP5228 Person - Environment - Occupation	6	P OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments	Semester 1
Choose one elective [6]			
Electives may be chosen from units of study available throughout the University, subject to approval, availability and minimum enrolment. A list of electives available in the Faculty of Health Sciences is included in Chapter 14 of the handbook.			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5242 Reflexivity and OT Professional Practice	9	P OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork C OCCP5240 Implementing Skills in OT Professional Practice <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i> <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 9 CREDIT POINTS			
Note			
Students wishing to change from part-time to full-time mode must consult with the course coordinator in advance before enrolling for Year 3.			

Table 14.1.1: Master of Occupational Therapy (Honours)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC142: Credit points for award: 96			
On-campus: full-time, 4 semesters; part-time, 8 semesters			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Full-time mode			
Year 1 (last offered in 2011)			
As per Pass course			
Year 2 (last offered in 2011)			
Semester 1			
OCCP5222 Psychosocial and Cognitive Strategies	6	P OCCP5217 OT Assessment and Planning	Semester 1
OCCP5228 Person - Environment - Occupation	6	P OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments	Semester 1
OCCP5239 Community Based OT Fieldwork	6	P (OCCP5237 and OCCP5238) or (OCCP5211 and OCCP5212) <i>Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1
OCCP5243 OT Honours Project Development	6	P OCCP5207 Assessing Evidence for OT Practice <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP5240 Implementing Skills in OT Prof Practice	9	P OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1 Semester 2
OCCP5242 Reflexivity and OT Professional Practice	9	P OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork C OCCP5240 Implementing Skills in OT Professional Practice <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.</i>	Semester 1 Semester 2
OCCP5244 OT Honours Research Thesis	6	P OCCP5243 OT Honours Project Development	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Master of Health Science (Occupational Therapy)

Note: The Master of Health Science (Occupational Therapy) is no longer open to new enrolments. This information is for continuing students only.

The Master of Health Science (Occupational Therapy) course is designed to provide advanced study in occupational therapy and related topics to prepare graduate students to lead practice through knowledge and actions.

Participants enrolled in this program may complete their studies with a specialist focus: a specialty requires that 50 percent of credit points are completed in an identified topic area. These topic areas are negotiated between the student and course coordinator with approval of the head of academic unit. The course has both coursework and inquiry project options. Students may seek to have work completed in the Master of Health Science (Occupational Therapy) credited against the requirements of professional doctorate (HScD) offered by the faculty.

Honours

Candidates in the MHLthSc (OT) who have achieved 65 percent credit or better in all units of study and 75 percent distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation.

Admission requirements

Applicants for admission to the Master of Health Science (Occupational Therapy) shall possess:

1. an award of Bachelor of Applied Science (Occupational Therapy) from Cumberland College of Health Sciences or the University of Sydney, or
2. an award of Bachelor of Applied Science (Honours) in Occupational Therapy from the University of Sydney, or
3. an award of Bachelor of Science with a major in anatomy from the University of New South Wales and a Graduate Diploma in Occupational Therapy from Cumberland College of Health Sciences, or
4. an award of Master of Occupational Therapy from The University of Sydney, or
5. such qualifications as are deemed equivalent to (1), (2), (3) or (4), or
6. an award of Diploma in Occupational Therapy from a recognised educational body and submit such other evidence of general and/or professional qualifications as will satisfy the faculty that the applicant possess the educational preparation and capacity to pursue graduate studies.

For occupational therapists without these qualifications entry may be possible through successful completion of a qualifying program designed specifically for individual applicants.

Course outline

The course outlines for the Master of Health Science (Occupational Therapy) at both pass and honours levels are presented in Tables 14.2 and 14.2.1. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 14.2: Master of Health Science (Occupational Therapy) Pass

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC074: Credit points for award: 48			
Part-time, off-campus, 2 to 4 semesters			
Part-time mode (no new intake in 2011)			
Year 1			
<i>Choose 24 credit points from:</i>			
Topics in Theory (see note 1)			
Topics in Research (see note 2)			
Professional Practice Topics (see note 3)			
Year 2			
<i>Choose 24 credit points from:</i>			
Professional Practice Topics (see note 3)			
Notes			
1. Topics in Theory are listed in Section A of Master of Health Science (Occupational Therapy) electives outlined below Table 14.2.1.			
2. Topics in Research are listed in Section B of Master of Health Science (Occupational Therapy) electives outlined below Table 14.2.1.			
3. Professional Practice Topics are listed in Section C of Master of Health Science (Occupational Therapy) electives outlined below Table 14.2.1.			

Table 14.2.1: Master of Health Science (Occupational Therapy) Honours

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC075: Credit points for award: 60			
Off-campus: Part-time, 5 semesters			
Part-time mode			
Years 1 and 2 (no commencing students in 2011)			
As per Pass course			
Year 3			
OCCP5136 Dissertation <i>This unit of study is not available in 2011</i>	12	A Normally student doing OCCP5136 Dissertation has already completed 48 credit points <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Master of Health Science (Occupational Therapy) electives

The MHLthSc (OT) consists of three topic areas from which participants select specific units of study: topics in theory, topics in research and professional practice topics. Participants are required to complete a minimum of 6 credit points from Topics in Theory and a minimum of 6 credit points from Topics in Research. Specific units of study contained in these topic areas are described below.

(A) Topics in Theory

1. Core Theory units (minimum 6 credit points)

2. Specialty Theory units

(B) *Topics in Research*
(minimum 6 credit points)

(C) Professional Practice Topics

1. Topics in Assessment
2. Topics in Enhancing Human Occupation
3. Inquiry Topics/Projects

Electives for Master of Health Science (Occupational Therapy)

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
The offering of any one of these elective units of study will depend on sufficient student demand and staff availability.			
A. Topics in Theory			
Core Theory units			
OCCP5186 Theory in Occupational Therapy	6		Semester 1
B. Topics in Research			
BACH5026 Special Investigation	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
OCCP5145 Research Elective Independent Study	6	A BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research, BACH1147 Qualitative Health and Social Research, or equivalent	Semester 1 Semester 2
PHTY5190 Evidence-Based Decision Making	6		Semester 1
C. Professional Practice Topics			
Professional Practice Topics are divided into three broad topic areas:			
1. Topics in Assessment			
2. Topics in Enhancing Human Occupation			
3. Inquiry Topics/Projects			
Masters candidates are required to complete a minimum of 36 credit points from Professional Practice Topics but there are no minimum credit requirements from these four broad topic areas.			
1. Topics in Assessment			
OCCP5231 Client-Centred Assessment in OT	6		Semester 2
or			
Faculty and other research electives (see Chapter 20 for a list of electives)			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
2. Topics in Enhancing Human Occupation			
OCCP5143 Driving Assessment and Training A	6	A This unit of study is available only to qualified occupational therapists with a minimum of two years experience. Less than two years experience requires permission of the coordinator. C OCCP5144 Driving Assessment and Training B <i>Note: Department permission required for enrolment This unit of study must be taken concurrently with OCCP5144 Driving Assessment and Training B and are conducted in the same two week block. Please check website for the dates of the block mode</i>	Semester 1 Semester 2
OCCP5144 Driving Assessment and Training B	6	A This unit of study is available only to qualified occupational therapists with a minimum of two years experience. Less than two years experience requires permission of the coordinator. C OCCP5143 Driving Assessment and Training A <i>Note: Department permission required for enrolment This unit of study must be taken concurrently with OCCP5143 Driving Assessment and Training A and are conducted in the same two week block. Please check website for the dates of the block mode</i>	Semester 1 Semester 2
OCCP5187 Falls Prevention With Older People	6	<i>Available to MOT students</i>	Semester 1
OCCP5236 SI and NDT: An Integrated Approach	6	A Basic knowledge of typical development <i>Note: Department permission required for enrolment Available to MOT students.</i>	Semester 1
3. Inquiry Topics/Projects			
BACH5026 Special Investigation	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
OCCP5070 Selected Topic <i>This unit of study is not available in 2011</i>	6	<i>Note: Department permission required for enrolment The focus of this unit may change from year to year. See Discipline website for unit of study listings and additional details</i>	Semester 1 Semester 2
OCCP5185 Selected Topic <i>This unit of study is not available in 2011</i>	3	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

15. Orthoptics

Master of Orthoptics

Orthoptists are allied health professionals and key members of the medical eye care team who prevent, manage and research disorders of the eye and vision systems. They have particular expertise in the assessment and treatment of binocular vision (use of the two eyes as a pair).

Orthoptists support patients who have visual problems associated with conditions such as stroke and head injury, work with blind and partially sighted people and treat children with lazy eyes, including conditions such as amblyopia and strabismus.

Orthoptists assist in the assessment of patients with eye diseases and are skilled in many of the exacting diagnostic and treatment procedures related to disorders of the eye and visual system such as testing peripheral vision, ultrasonography, biometry, assisting in minor surgery and prescription of glasses and eye exercises.

The program aims to prepare graduates for registration with the Australian Orthoptic Board in order to be able to practise in Australia and may be completed on a full-time basis over two years.

Students should be aware that course requirements for clinical units of study can be spread over 48 weeks of the year and that some

clinical placements are offered in regional, rural and interstate locations in block mode. Some local placements are also offered in block mode. Compulsory clinical briefing session can also be held outside the normal semester dates.

Admission requirements

- Applicants must possess a bachelor's degree from an institution recognised by the University of Sydney.
- International students whose bachelor degree was not conducted in English will be required to have an average IELTS score of 7.0.

If the prior bachelor's degree did not include general human anatomy and physiology, students are advised to contact the course director to discuss how they might address background knowledge (phone +61 2 9351 9464).

Course outline

The course outline for the Master of Orthoptics is presented in Table 15.1. Unit of study descriptions and a list of faculty electives are provided in Chapter 20.

Table 15.1: Master of Orthoptics

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC110: Credit points for award: 96			
On-campus: full-time, minimum 4 semesters; part-time, minimum 8 semesters			
Full-time mode			
Year 1			
Semester 1			
ORTH5060 Perspectives in Vision	6		Semester 1
ORTH5039 The Eye and Vision	6		Semester 1
ORTH5040 Binocular Vision & Ocular Motility 1	6		Semester 1
ORTH5041 Introduction to Professional Practice	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5029 Clinical Management of Refractive Error	6		Semester 1 Semester 2
ORTH5042 Ocular Pathology 1	6		Semester 2
ORTH5043 Binocular Vision & Ocular Motility 2	6		Semester 2
ORTH5044 Professional Practice 1	6		Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
ORTH5050 Ocular Pathology 2	6		Semester 1



Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ORTH5045 Professional Practice 2	6	Offered semester 1 for SC110, offered semester 2 for SH131/SC151	Semester 1 Semester 2
ORTH5046 Neurological Ocular Disorders	6		Semester 1
ORTH5047 Research Project 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5048 Professional Practice 3	6	Note: Department permission required for enrolment in the following sessions: Semester 1	Semester 1 Semester 2
ORTH5049 Professional Practice 4	6	Note: Department permission required for enrolment in the following sessions: Semester 1	Semester 1 Semester 2
ORTH5053 Advanced Professional Practice	6		Semester 2
ORTH5051 Research Project 2	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Students wishing to study part-time must first discuss this with the course director of the Master of Orthoptics and gain academic approval prior to enrolling in part-time mode. Part-time students may enrol in units of study that total no more than 17 credit points per semester.			

Table 15.2: Bachelor of Health Sciences/Master of Clinical Vision Sciences

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH131/SC151: Pass course; full-time, 4 years			
Year 3 (last offered in 2011)			
Semester 1			
ORTH5044 Professional Practice 1	6		Semester 1 Semester 2
ORTH5050 Ocular Pathology 2	6		Semester 1
HSBH3004 Health, Ethics and the Law	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
Senior BHS elective [6] (see list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5045 Professional Practice 2	6	Offered semester 1 for SC110, offered semester 2 for SH131/SC151	Semester 1 Semester 2
ORTH5052 Current Topics in CVS	6		Semester 2
Select two (2) Senior BHS electives [12] (see list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (offered in 2011 only)			
Semester 1			
ORTH5029 Clinical Management of Refractive Error	6		Semester 1 Semester 2
ORTH5031 Eye Movement Disorders	6	P ORTH5040 Binocular Vision and ORTH5043 Concomitant Strabismus	Semester 1
ORTH5046 Neurological Ocular Disorders	6		Semester 1
ORTH5047 Research Project 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5048 Professional Practice 3	6	Note: Department permission required for enrolment in the following sessions: Semester 1	Semester 1 Semester 2
ORTH5049 Professional Practice 4	6	Note: Department permission required for enrolment in the following sessions: Semester 1	Semester 1 Semester 2
ORTH5051 Research Project 2	6		Semester 2
ORTH5053 Advanced Professional Practice	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 4 (offered in 2012 only)			
Semester 1			
ORTH5029 Clinical Management of Refractive Error	6		Semester 1 Semester 2
ORTH5060 Perspectives in Vision	6		Semester 1 Semester 2
ORTH5046 Neurological Ocular Disorders	6		Semester 1
ORTH5047 Research Project 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5048 Professional Practice 3	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
ORTH5049 Professional Practice 4	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
ORTH5051 Research Project 2	6		Semester 2
ORTH5053 Advanced Professional Practice	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Senior BHS units of study			
HSBH3001 Health and Indigenous Populations	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3002 Health Information Science	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
HSBH3003 Health Service Strategy and Policy	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3005 Evidence Based Health Care	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3006 Research Methods in Health	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems N Intermediate Statistics (BACH4043, BACH4055, BACH5253)	Semester 1
HSBH3009 International Health Project	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3010 Health and Lifelong Disability	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3011 Rural Health	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1

16. Physiotherapy

Enquiries regarding postgraduate courses should be directed initially to Student Central:

T: +61 2 9351 9161
www.fhs.usyd.edu.au

Master of Physiotherapy (Graduate-Entry Master's Program)

Course Director

Dr Colleen Canning T +61 2 9351 9263

Student Liaison Academic

Ms Angela Stark T +61 2 9351 9549

Course aims

The principal aims of the course are to:

- produce a body of graduates with the academic and clinical skills to be registered as beginning practitioner physiotherapists in NSW
- encourage the undertaking of research within the profession.

The course is accredited with the Australian Physiotherapy Council. Graduates of the program are eligible to apply for registration as physiotherapists with the Physiotherapy Board of Australia. All graduates must meet the requirements of the Physiotherapy Board of Australia, including the English language skills requirements. These requirements at time of writing are a minimum of seven (in all four bands) in the IELTS test to qualify if they did not complete their secondary studies in English in one of the approved countries. Please refer to:

<http://www.physiotherapyboard.gov.au/Registration-Standards.aspx> for up to date information concerning English proficiency requirements for registration eligibility.

Admission requirements

The following undergraduate degrees are currently recognised by the University of Sydney as meeting the pre-existing knowledge criteria:

1. Bachelor of Applied Science (Exercise and Sports Science) from the University of Sydney
2. Bachelor of Exercise Science and Rehabilitation from the University of Wollongong
3. Bachelor of Science (Health and Exercise Science) from the University of New South Wales
4. Bachelor of Exercise and Sports Science from the Australian Catholic University (NSW, ACT, VIC campuses)
5. Bachelor of Health Sciences Health Care Stream from the University of Sydney

6. Bachelor of Health Sciences with a Movement Science major from the University of Sydney
7. Bachelor of Science (Health and Sports Science) from the University of New South Wales: including NEUR3101 Muscle and Motor Control (or its equivalent)
8. Bachelor of Exercise Science from Australian Catholic University, Sydney Campus: including EXSC330 Advanced Motor Control and Learning (or its equivalent)
9. Bachelor of Applied Science (Sport and Exercise Science) from the University of Western Sydney: including 400166 Clinical Neurosciences (or its equivalent)
10. Bachelor of Health Science (Sport and Exercise Science) from the University of Western Sydney: including 400964.1 Clinical Neurosciences (or its equivalent)
11. Bachelor of Science (majoring in Exercise Science) from the University of Wollongong including the elective SHS320 Motor Control and Dysfunction or SHS311 Fundamentals of Neuroscience (or their equivalents)
12. Bachelor of Human Movement from the University of Technology Sydney: including elective 91706 Neuroscience (or its equivalent)
13. Bachelor of Management in Sport and Exercise from the University of Technology Sydney including the elective 91706 Neuroscience (or its equivalent) and 91429 Physiological Bases of Human Movement (or its equivalent).

Applicants with a degree from the above list are only required to submit their application to UAC. Visit www.uac.edu.au/.

Clinical education

For information on clinical education visit:
sydney.edu.au/health_sciences/clinical/

Course outline

This course enables students with selected previous degrees to undertake study in physiotherapy taking into account their previous knowledge and skills. This course will require the completion of 96 credit points. The course is structured around four academic blocks. The course outline for the graduate entry master's program is presented in Table 16.1. See Chapter 20 for unit descriptions of study and a list of faculty and research electives.



Table 16.1: Master of Physiotherapy (Graduate Entry Master's Program)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC104: Credit points for award: 96			
Full-time, 4 semesters			
Year 1			
Semester 1			
PHTY5192 Cardiopulmonary Physiotherapy 1	6		Semester 1
PHTY5193 Musculoskeletal Physiotherapy 1	6	C PHTY5194 Musculoskeletal Physiotherapy II	Semester 1
PHTY5194 Musculoskeletal Physiotherapy 2	6	C PHTY5193 Musculoskeletal Physiotherapy I	Semester 1
PHTY5195 Neurological Physiotherapy 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY5196 Professional and Scientific Practice	6		Semester 2
PHTY5197 Neurological & Cardiopulmonary Physio 1	6	P PHTY5192 Cardiopulmonary Physiotherapy I, PHTY5195 Neurological Physiotherapy I	Semester 2
PHTY5198 Musculoskeletal Physiotherapy 3	6	P PHTY5193 Musculoskeletal Physiotherapy I, PHTY5195 Musculoskeletal Physiotherapy II C PHTY5199 Musculoskeletal Physiotherapy IV	Semester 2
PHTY5199 Musculoskeletal Physiotherapy 4	6	P PHTY5193 Musculoskeletal Physiotherapy I, PHTY5194 Musculoskeletal Physiotherapy II C PHTY5198 Musculoskeletal Physiotherapy III	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
(This pattern last offered 2011)			
PHTY5180 Physiotherapy Practicum I	6	P PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	Semester 1
PHTY5181 Physiotherapy Practicum II	6	P PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	S1 Late Int
PHTY5182 Physiotherapy Practicum III	6	P PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	S1 Late Int
PHTY5188 Musculoskeletal Physiotherapy 5	4	P PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	Semester 1
SEMESTER 1 TOTAL: 22 CREDIT POINTS			
Semester 2			
PHTY5183 Advanced Physiotherapy	4	P PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV, PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II	Semester 2
PHTY5184 Paediatric Physiotherapy	4	P PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	Semester 2
PHTY5185 Physiotherapy for Older Persons	4	P PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	Semester 2a
PHTY5186 Physiotherapy in Selected Populations	4	P PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	Semester 2
PHTY5187 Scientific Practice II	4	P PHTY5180 Physiotherapy Practicum I, PHTY5181 Physiotherapy Practicum II, PHTY5182 Physiotherapy Practicum III	Semester 2
PHTY5189 Physiotherapy Practicum IV	6	P PHTY5180 Physiotherapy Practicum I, PHTY5181 Physiotherapy Practicum II, PHTY5182 Physiotherapy Practicum III C PHTY5183 Advanced Physiotherapy, PHTY5184 Paediatric Physiotherapy, PHTY5185 Physiotherapy for Older Persons, PHTY5186 Physiotherapy in Selected Populations <i>Note: Department permission required for enrolment in the following sessions: S1 Late Int</i>	S1 Late Int S2 Late Int
SEMESTER 2 TOTAL: 26 CREDIT POINTS			

17. Rehabilitation Counselling

Graduate Diploma in Rehabilitation Counselling/Master of Rehabilitation Counselling

These courses offer professional development for students wishing to add to their existing qualifications in social sciences or health sciences. Graduates attain professional status as a rehabilitation counsellor and are qualified to provide specialist counselling, rehabilitation and case management services to people who have experienced injury, disability or social disadvantage. They may work in government/public, community or private rehabilitation settings, as rehabilitation coordinators in industry, vocational/social trainers, counsellors in drug and alcohol, psychiatric and correctional settings. They may also work as human resource managers and private rehabilitation consultants. Supervised practical experience in work settings ensures students make vital links with industry.

The Graduate Diploma in Rehabilitation Counselling can be completed on a one-year full time basis or over a longer period on a part time basis. The Master of Rehabilitation Counselling can be completed over two years full-time or again over a longer period if studies are undertaken on a part-time basis. Classes are offered in both the graduate diploma and masters program in on-campus and distance education mode. The nature of the on campus offering varies between subjects and can include regular weekly classes or workshops throughout the semester at less regular intervals (or both). Some units of study have no on campus classes but are purely taught through online methods.

Students wishing to articulate from the graduate diploma to the masters will need to apply directly to the Course Coordinator by 30 October of their finishing year and will need to achieve an overall credit average to be eligible. A student enrolled in the Master of Rehabilitation

Counselling who elects to exit early from the masters' must satisfactorily complete the requirements for the graduate diploma.

Admission requirements

Graduate Diploma in Rehabilitation Counselling

To be eligible to apply you will need:

1. a PhD, masters or bachelors degree from an Australian institution or equivalent
2. a grade point average of 4.5 or greater (approximately equivalent to a credit average or better) assessed on the highest ranked tertiary qualification presented.

Master of Rehabilitation Counselling

To be eligible to apply you will need:

1. a PhD, master's or bachelor's degree from an Australian institution or equivalent;
2. a grade point average of 4.5 or greater (approximately equivalent to a credit average or better) assessed on the highest ranked tertiary qualifications presented.

Course outline

The course outlines for the graduate Rehabilitation Counselling programs are presented in Tables 17.3 and 17.4. Unit of study descriptions and a list of faculty and research electives are provided in Chapter 20.

Table 17.1: Graduate Diploma in Rehabilitation Counselling

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SF061: Credit points for award: 48			
On and off-campus: full-time, 2 semesters; part-time, 4 semesters (see note)			
Full-time mode			
Semester 1			
REHB5060 Rehabilitation Philosophy	6	N REHB5045 Rehabilitation Theory	Semester 1
REHB5070 Vocational Development and Counselling	6	N REHB5044 Vocational Development and Counselling	Semester 1
REHB5071 Work Injury and Workers' Compensation	6	N REHB5046	Semester 1
REHB5076 Introductory Rehabilitation Counselling	6	N REHB5043 Rehabilitation Counselling A	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB5061 Applied Psychosocial and Medical Rehab	6	N REHB5012 Medical Aspects of Disability, REHB5047 Psychosocial Aspects of Disability	Semester 2
REHB5072 Applied Counselling and Case Management	6	P REHB5076 Introductory Rehabilitation Counselling N REHB5049 Rehabilitation Counselling B and REHB5051 Rehabilitation and Case Management	Semester 2



Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
REHB5073 Client Assessment and Job Placement	6	P REHB5070 Vocational Development and Counselling N REHB5050 Client Assessment and Job Placement	Semester 2
REHB5074 Professional Practice A	6	A University of Sydney Code of Conduct N REHB5048 Field Experience I, REHB5054 Field Experience II <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
REHB5060 Rehabilitation Philosophy	6	N REHB5045 Rehabilitation Theory	Semester 1
REHB5076 Introductory Rehabilitation Counselling	6	N REHB5043 Rehabilitation Counselling A	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5061 Applied Psychosocial and Medical Rehab	6	N REHB5012 Medical Aspects of Disability, REHB5047 Psychosocial Aspects of Disability	Semester 2
REHB5072 Applied Counselling and Case Management	6	P REHB5076 Introductory Rehabilitation Counselling N REHB5049 Rehabilitation Counselling B and REHB5051 Rehabilitation and Case Management	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
REHB5070 Vocational Development and Counselling	6	N REHB5044 Vocational Development and Counselling	Semester 1
REHB5071 Work Injury and Workers' Compensation	6	N REHB5046	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5073 Client Assessment and Job Placement	6	P REHB5070 Vocational Development and Counselling N REHB5050 Client Assessment and Job Placement	Semester 2
REHB5074 Professional Practice A	6	A University of Sydney Code of Conduct N REHB5048 Field Experience I, REHB5054 Field Experience II <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 17.2: Master of Rehabilitation Counselling

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
For commencing students 2011			
Course code SC147: Credit points for award: 96			
On and off-campus: full-time, 4 semesters; part-time, 8 semesters			
Full-time mode			
Year 1			
Semester 1			
REHB5060 Rehabilitation Philosophy	6	N REHB5045 Rehabilitation Theory	Semester 1
REHB5070 Vocational Development and Counselling	6	N REHB5044 Vocational Development and Counselling	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
REHB5071 Work Injury and Workers' Compensation	6	N REHB5046	Semester 1
REHB5076 Introductory Rehabilitation Counselling	6	N REHB5043 Rehabilitation Counselling A	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB5061 Applied Psychosocial and Medical Rehab	6	N REHB5012 Medical Aspects of Disability, REHB5047 Psychosocial Aspects of Disability	Semester 2
REHB5072 Applied Counselling and Case Management	6	P REHB5076 Introductory Rehabilitation Counselling N REHB5049 Rehabilitation Counselling B and REHB5051 Rehabilitation and Case Management	Semester 2
REHB5073 Client Assessment and Job Placement	6	P REHB5070 Vocational Development and Counselling N REHB5050 Client Assessment and Job Placement	Semester 2
REHB5074 Professional Practice A	6	A University of Sydney Code of Conduct N REHB5048 Field Experience I, REHB5054 Field Experience II <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students will be approved to undertake field placement by obtaining a) a criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
REHB5075 Avocational Rehab Management	6	N REHB3039 Avocational Rehabilitation	Semester 1
REHB5077 Psychiatric Rehabilitation	6	N REHB5042 Psychiatric Rehabilitation	Semester 1
REHB5078 Rehab Counselling Dissertation A	6	N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
Master of Rehabilitation Counselling elective [6] (see list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB5079 Perspectives on Rehab Legislation	6	P REHB5072 Applied Counselling and Case Management	Semester 2
REHB5080 Professional Practice B	6	A The University of Sydney Code of Conduct <i>Students will be approved to undertake field placement by obtaining a) a criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 and c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
REHB5081 Rehab Counselling Dissertation B	6	P REHB5078 Rehab Counselling Dissertation A N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
Master of Rehabilitation Counselling elective [6] (see list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
For commencing students in 2011			
Year 1			
Semester 1			
REHB5060 Rehabilitation Philosophy	6	N REHB5045 Rehabilitation Theory	Semester 1
REHB5076 Introductory Rehabilitation Counselling	6	N REHB5043 Rehabilitation Counselling A	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5061 Applied Psychosocial and Medical Rehab	6	N REHB5012 Medical Aspects of Disability, REHB5047 Psychosocial Aspects of Disability	Semester 2
REHB5072 Applied Counselling and Case Management	6	P REHB5076 Introductory Rehabilitation Counselling N REHB5049 Rehabilitation Counselling B and REHB5051 Rehabilitation and Case Management	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

17. Rehabilitation Counselling

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 2			
Semester 1			
REHB5070 Vocational Development and Counselling	6	N REHB5044 Vocational Development and Counselling	Semester 1
REHB5071 Work Injury and Workers' Compensation	6	N REHB5046	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5073 Client Assessment and Job Placement	6	P REHB5070 Vocational Development and Counselling N REHB5050 Client Assessment and Job Placement	Semester 2
REHB5074 Professional Practice A	6	A University of Sydney Code of Conduct N REHB5048 Field Experience I, REHB5054 Field Experience II <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3			
Semester 1			
REHB5075 Vocational Rehab Management	6	N REHB3039 Vocational Rehabilitation	Semester 1
Master of Rehabilitation Counselling elective [6]: see list below			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5079 Perspectives on Rehab Legislation	6	P REHB5072 Applied Counselling and Case Management	Semester 2
Master of Rehabilitation Counselling elective [6]: see list below			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 4 (first offered in 2012)			
Semester 1			
REHB5077 Psychiatric Rehabilitation	6	N REHB5042 Psychiatric Rehabilitation	Semester 1
REHB5078 Rehab Counselling Dissertation A	6	N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5080 Professional Practice B	6	A The University of Sydney Code of Conduct <i>Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 and c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
REHB5081 Rehab Counselling Dissertation B	6	P REHB5078 Rehab Counselling Dissertation A N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Master of Rehabilitation Counselling electives			
Semester 1			
REHB5062 Brain Injury Rehabilitation	6	N REHB5022 Acquired Brain Injury Rehabilitation, REHB3067 Acquired Brain Injury Rehabilitation	Semester 1
REHB5063 Rehabilitation of PTSD	6	N REHB5034 Rehabilitation and PTSD, REHB3065 PTSD and Rehabilitation	Semester 1
REHB5069 Rehabilitation of Alcohol & Drug Misuse	6	N REHB5014 Rehabilitation and Substance Abuse, REHB3064 Alcohol and Drug Misuse Rehabilitation	Semester 1
Semester 2			
REHB5066 Chronic Pain & Rehabilitation Management	6	N REHB5036 Chronic Pain in Rehabilitation, REHB3066 Chronic Pain: Disability and Rehab	Semester 2
REHB5067 Multicultural Rehabilitation Management	6	N REHB5024 Rehabilitation of Persons from NESB, REHB3070 Ethnic Minorities and Disability	Semester 2
REHB5068 Public Offenders: Aspects of Rehab	6	N REHB5016 Rehabilitation of Public Offenders, REHB3062 Public Offenders: Criminality & Rehab	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Note			
The offering of these electives will depend on availability of staff and student demand.			

Bachelor of Health Sciences/Master of Rehabilitation Counselling

Note: There will be no further intakes to the combined Bachelor of Health Sciences/Master of Rehabilitation Counselling. Students wishing to pursue a career in this area should first complete a three-year generalist degree such as the Bachelor of Health Sciences before progressing to the Master of Rehabilitation Counselling.

Course outline

The course outline for the Bachelor of Health Sciences/Master of Rehabilitation Counselling course is presented in Tables 17.3 and

17.4. Descriptions of the undergraduate units of study and a list of faculty and research electives are found in Chapter 7 while postgraduate unit descriptions and elective lists are in Chapter 20.

Table 17.3: Bachelor of Health Sciences/Master of Rehabilitation Counselling

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
For continuing students 2011			
Course code SC147: Credit points for award: 96			
Full-time mode			
Year 2			
Semester 1			
REHB5070 Vocational Development and Counselling	6	N REHB5044 Vocational Development and Counselling	Semester 1
REHB5071 Work Injury and Workers' Compensation	6	N REHB5046	Semester 1
REHB5077 Psychiatric Rehabilitation	6	N REHB5042 Psychiatric Rehabilitation	Semester 1
REHB5078 Rehab Counselling Dissertation A	6	N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB5073 Client Assessment and Job Placement	6	P REHB5070 Vocational Development and Counselling N REHB5050 Client Assessment and Job Placement	Semester 2
REHB5079 Perspectives on Rehab Legislation	6	P REHB5072 Applied Counselling and Case Management	Semester 2
REHB5080 Professional Practice B	6	A The University of Sydney Code of Conduct <i>Students will be approved to undertake field placement by obtaining a) a criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 and c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
REHB5081 Rehab Counselling Dissertation B	6	P REHB5078 Rehab Counselling Dissertation A N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 2			
Semester 1			
REHB5070 Vocational Development and Counselling	6	N REHB5044 Vocational Development and Counselling	Semester 1
REHB5075 Vocational Rehab Management	6	N REHB3039 Vocational Rehabilitation	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5073 Client Assessment and Job Placement	6	P REHB5070 Vocational Development and Counselling N REHB5050 Client Assessment and Job Placement	Semester 2

17. Rehabilitation Counselling

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
REHB5079 Perspectives on Rehab Legislation	6	P REHB5072 Applied Counselling and Case Management	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3			
Semester 1			
REHB5071 Work Injury and Workers' Compensation	6	N REHB5046	Semester 1
Master of Rehabilitation Counselling elective [6]: see list below			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5074 Professional Practice A	6	A University of Sydney Code of Conduct N REHB5048 Field Experience I, REHB5054 Field Experience II <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i> Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 c) the Health Records and Information Privacy Act, 2004	Semester 1 Semester 2
Master of Rehabilitation Counselling elective [6]: see list below			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 4 (first offered in 2012)			
Semester 1			
REHB5077 Psychiatric Rehabilitation	6	N REHB5042 Psychiatric Rehabilitation	Semester 1
REHB5078 Rehab Counselling Dissertation A	6	N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
REHB5080 Professional Practice B	6	A The University of Sydney Code of Conduct Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 and c) the Health Records and Information Privacy Act, 2004	Semester 1 Semester 2
REHB5081 Rehab Counselling Dissertation B	6	P REHB5078 Rehab Counselling Dissertation A N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Master of Rehabilitation Electives			
Semester 1			
REHB5062 Brain Injury Rehabilitation	6	N REHB5022 Acquired Brain Injury Rehabilitation, REHB3067 Acquired Brain Injury Rehabilitation	Semester 1
REHB5063 Rehabilitation of PTSD	6	N REHB5034 Rehabilitation and PTSD, REHB3065 PTSD and Rehabilitation	Semester 1
REHB5069 Rehabilitation of Alcohol & Drug Misuse	6	N REHB5014 Rehabilitation and Substance Abuse, REHB3064 Alcohol and Drug Misuse Rehabilitation	Semester 1
Semester 2			
REHB5066 Chronic Pain & Rehabilitation Management	6	N REHB5036 Chronic Pain in Rehabilitation, REHB3066 Chronic Pain: Disability and Rehab	Semester 2
REHB5067 Multicultural Rehabilitation Management	6	N REHB5024 Rehabilitation of Persons from NESB, REHB3070 Ethnic Minorities and Disability	Semester 2
REHB5068 Public Offenders: Aspects of Rehab	6	N REHB5016 Rehabilitation of Public Offenders, REHB3062 Public Offenders: Criminality & Rehab	Semester 2
Note: The offering of these electives will depend on availability of staff and student demand.			

Table 17.4: Bachelor of Health Sciences/Master of Rehabilitation Counselling

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH133/SC152: Pass course; full-time, 4 years			
Year 3 (offered in 2011)			
Semester 1			
REHB5075 Avocational Rehab Management	6	N REHB3039 Avocational Rehabilitation	Semester 1
2 BHS Senior electives [12] (see BHS elective list below)			
Master of Rehabilitation Counselling elective [6] (see MRC elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB5074 Professional Practice A	6	A University of Sydney Code of Conduct N REHB5048 Field Experience I, REHB5054 Field Experience II <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
2 BHS Senior electives [12] (see BHS elective list below)			
Master of Rehabilitation Counselling elective [6] (see MRC elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (offered in 2011 and 2012 only)			
Semester 1			
REHB5070 Vocational Development and Counselling [6]			
REHB5070 Vocational Development and Counselling	6	N REHB5044 Vocational Development and Counselling	Semester 1
REHB5071 Work Injury and Workers' Compensation	6	N REHB5046	Semester 1
REHB5077 Psychiatric Rehabilitation	6	N REHB5042 Psychiatric Rehabilitation	Semester 1
REHB5078 Rehab Counselling Dissertation A	6	N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 2</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB5073 Client Assessment and Job Placement	6	P REHB5070 Vocational Development and Counselling N REHB5050 Client Assessment and Job Placement	Semester 2
REHB5079 Perspectives on Rehab Legislation	6	P REHB5072 Applied Counselling and Case Management	Semester 2
REHB5080 Professional Practice B	6	A The University of Sydney Code of Conduct <i>Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 and c) the Health Records and Information Privacy Act, 2004</i>	Semester 1 Semester 2
REHB5081 Rehab Counselling Dissertation B	6	P REHB5078 Rehab Counselling Dissertation A N REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Bachelor of Health Sciences Senior electives			
HSBH3001 Health and Indigenous Populations	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3002 Health Information Science	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
HSBH3003 Health Service Strategy and Policy	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3004 Health, Ethics and the Law	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
HSBH3005 Evidence Based Health Care	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3006 Research Methods in Health	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems N Intermediate Statistics (BACH4043, BACH4055, BACH5253)	Semester 1
HSBH3009 International Health Project	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2

17. Rehabilitation Counselling

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HSBH3010 Health and Lifelong Disability	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 2
HSBH3011 Rural Health	6	P HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems	Semester 1
Master of Rehabilitation Counselling electives			
Semester 1			
REHB5062 Brain Injury Rehabilitation	6	N REHB5022 Acquired Brain Injury Rehabilitation, REHB3067 Acquired Brain Injury Rehabilitation	Semester 1
REHB5063 Rehabilitation of PTSD	6	N REHB5034 Rehabilitation and PTSD, REHB3065 PTSD and Rehabilitation	Semester 1
REHB5069 Rehabilitation of Alcohol & Drug Misuse	6	N REHB5014 Rehabilitation and Substance Abuse, REHB3064 Alcohol and Drug Misuse Rehabilitation	Semester 1
Semester 2			
REHB5066 Chronic Pain & Rehabilitation Management	6	N REHB5036 Chronic Pain in Rehabilitation, REHB3066 Chronic Pain: Disability and Rehab	Semester 2
REHB5067 Multicultural Rehabilitation Management	6	N REHB5024 Rehabilitation of Persons from NESB, REHB3070 Ethnic Minorities and Disability	Semester 2
REHB5068 Public Offenders: Aspects of Rehab	6	N REHB5016 Rehabilitation of Public Offenders, REHB3062 Public Offenders: Criminality & Rehab	Semester 2
Notes			
1. Electives may be chosen from units of study available throughout the University, subject to approval, availability and minimum enrolment. A list of electives available in the Faculty of Health Sciences is included in Chapter 7 of the handbook.			
2. Rehabilitation Counselling students are encouraged to take REHB2026 Fundamentals of Rehabilitation as one of their BHS electives.			

18. Speech Pathology

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Postgraduate Coordinator (Research Programs): Associate Professor Leanne Togher

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The faculty has one of the largest programs in the discipline of speech language pathology in Australia. Together expert academics and clinical staff offer a mentored and stimulating learning environment and research opportunities that are supported by the extensive facilities and resources.

Programs of study

Coursework programs

Master of Speech Language Pathology (MSLP) is a professional-entry coursework program that qualifies students to practise as speech pathologists.

The MSLP is available as a full time (two years) or part time (four years) program. Students must hold a PhD, master's or bachelor's

degree to apply for entry into the MSLP. Enrolling students should note that the course requirements are spread across approximately 48 weeks of the year. Students intending to enrol part time should be aware that the requirements for clinical placement means that they need to be able to attend block placements when they are available. Students enrolling full time should be prepared to undertake a demanding course. The course is accredited by Speech Pathology Australia.

Research degrees

See Chapter 19 for information on the research degrees offered by the faculty in relation to speech pathology.

Master of Speech Language Pathology

This program has been designed for graduates with a PhD, Master's or bachelor's degree in a relevant area. The curriculum is designed to enable students to learn in a way that resembles the clinical practice of speech pathology. Case-based learning and clinical placements help students acquire the skills necessary to qualify and practise as speech pathologists in Australia.

Speech pathologists work with children and adults with communication difficulties. These communication difficulties include problems with speaking, understanding what people say, reading, writing, voice problems and stuttering. Speech pathologists also work with children and adults who have swallowing difficulties or need alternative ways to communicate.

Admission requirements

Applicants for the graduate speech pathology program must comply with the entry criteria set out in the course resolutions in order to be considered for entry to the program.

Curriculum structure

The curriculum is designed around the competency requirements for speech pathology professional practice. The curriculum incorporates

18 compulsory units of study. These units will provide students with the competencies expected of a beginning practitioner in speech pathology.

Course outline

This course enables students with requisite knowledge and skills from their previous studies to undertake study in speech pathology. The course will build on their existing knowledge. The course is comprised of 96 credit points and is structured around four academic blocks and four clinical blocks. The clinical blocks may occur outside normal semester times. The academic program will require all students (including part-time students) to attend in orientation week and for 13 teaching weeks in each semester and sometimes outside these semester periods.

The course outline for the Master of Speech Language Pathology is presented in Table 18.1. See Chapter 20 for unit descriptions and a list of faculty and research electives.



Table 18.1: Master of Speech Language Pathology (Pass)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC112: Credit points for award: 96			
On-campus: full-time, 4 semesters; part-time, 8 semesters			
Full-time mode			
Year 1			
Semester 1			
CSCD5018 Core Studies	3		Semester 1
CSCD5019 Speech Pathology Practice (Introduction)	3		Semester 1
CSCD5020 Articulation and Phonology	6	A Ability to transcribe normal adult speech in broad phonetic transcription	Semester 1
CSCD5021 Language 1	6	A Understanding of basic linguistics, including grammatical analysis	Semester 1
CSCD5022 Specialist Studies 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD5023 Swallowing and Neurogenics 1	6	P CSCD5018 Core Studies	Semester 2
CSCD5024 Language 2	6	A CSCD5020 Articulation and Phonology, CSCD5021 Language 1	Semester 2
CSCD5025 Specialist Studies 2	3	A Anatomy of the head and neck, thorax and respiratory system	Semester 2
CSCD5026 Professional Development 1	3		Semester 2
CSCD5027 Clinical Practice 1	6	P CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1 <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
CSCD5028 Specialist Studies 3	6	A CSCD5021 Language 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2 <i>This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1 2
CSCD5029 Neurogenics 2	6	A CSCD5023 Swallowing and Neurogenics 1 <i>This unit of study is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1
CSCD5030 Professional Development 2	6	P CSCD5026 Professional Development 1 <i>This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1 Semester 2
CSCD5031 Clinical Practice 2	6	P CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2, CSCD5026 Professional Development 1, CSCD5027 Clinical Practice 1 <i>This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult Failure to achieve a pass grade in the first scheduled 16 day placement may result in students being withdrawn from their second 16 day placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD5032 Research Led Practice	6	P CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2; or equivalents C CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult; or equivalents <i>Students enrolling in degree codes SG034 and SC144 will need to seek permission from the unit coordinator for enrolment</i>	Semester 2
CSCD5033 Applied Clinical Research	6	P CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2 C CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult; or equivalent <i>Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CSCD5053 Clinical Practice 3 - Paediatric	6	P CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2 <i>This unit of study is typically completed with concurrent enrolment with CSCD5053 Clinical Practice 3: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
CSCD5054 Clinical Practice 3 - Adult	6	P CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
CSCD5018 Core Studies	3		Semester 1
CSCD5019 Speech Pathology Practice (Introduction)	3		Semester 1
CSCD5021 Language 1	6	A Understanding of basic linguistics, including grammatical analysis	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
CSCD5024 Language 2	6	A CSCD5020 Articulation and Phonology, CSCD5021 Language 1	Semester 2
CSCD5025 Specialist Studies 2	3	A Anatomy of the head and neck, thorax and respiratory system	Semester 2
CSCD5026 Professional Development 1	3		Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
CSCD5020 Articulation and Phonology	6	A Ability to transcribe normal adult speech in broad phonetic transcription	Semester 1
CSCD5022 Specialist Studies 1	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
CSCD5023 Swallowing and Neurogenics 1	6	P CSCD5018 Core Studies	Semester 2
CSCD5027 Clinical Practice 1	6	P CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1 <i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3			
Semester 1			
CSCD5028 Specialist Studies 3	6	A CSCD5021 Language 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2 <i>This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1 Semester 2
CSCD5029 Neurogenics 2	6	A CSCD5023 Swallowing and Neurogenics 1 <i>This unit of study is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
CSCD5030 Professional Development 2	6	P CSCD5026 Professional Development 1 <i>This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CSCD5031 Clinical Practice 2	6	P CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2, CSCD5026 Professional Development 1, CSCD5027 Clinical Practice 1 <i>This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult Failure to achieve a pass grade in the first scheduled 16 day placement may result in students being withdrawn from their second 16 day placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 4			
Semester 1			
CSCD5033 Applied Clinical Research	6	P CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2 C CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult; or equivalent <i>Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.</i>	Semester 1 Semester 2
CSCD5053 Clinical Practice 3 - Paediatric	6	P CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2 <i>This unit of study is typically completed with concurrent enrolment with CSCD5053 Clinical Practice 3: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
CSCD5032 Research Led Practice	6	P CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2; or equivalents C CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult; or equivalents <i>Students enrolling in degree codes SG034 and SC144 will need to seek permission from the unit coordinator for enrolment</i>	Semester 2
CSCD5054 Clinical Practice 3 - Adult	6	P CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Master of Speech Language Pathology (Honours)

(Not available to students commencing after 2010)

At the end of Year 1 (48 credit points) students with academic performance that meets the criteria are invited to apply for the master's honours program. The Master of Speech Language Pathology honours degree is undertaken by coursework and a research dissertation. To be eligible for admission to this degree students must already be enrolled in the Master of Speech Language Pathology and have achieved at least a weighted average mark of 70 per cent in Year 1 coursework. In the honours degree the research dissertation replaces 15 credit points of coursework.

To be awarded honours, students must achieve at least a weighted average grade of 70 per cent or above in all coursework, and must

successfully complete a research dissertation of equivalent standard. Should a student fail to achieve the overall weighted average mark of 70 per cent for coursework units of study, s/he may complete the dissertation but will not be awarded an honours degree. There is a single grade of honours. Enrolment for the honours dissertation is a minimum of two semesters. Re-enrolment will be necessary if the dissertation cannot be submitted within that time frame.

Course outline

The course outline for the Master of Speech Language Pathology (Honours) is presented in Table 18.1.1. See Chapter 20 for unit descriptions and a list of faculty and research electives.

Table 18.1.1: Master of Speech Language Pathology (Honours)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC113: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
As per Pass course			
Year 2			
Semester 1			
CSCD5028 Specialist Studies 3	6	A CSCD5021 Language 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2 <i>This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1
CSCD5029 Neurogenics 2	6	A CSCD5023 Swallowing and Neurogenics 1 <i>This unit of study is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1
CSCD5031 Clinical Practice 2	6	P CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2, CSCD5026 Professional Development 1, CSCD5027 Clinical Practice 1 <i>This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult Failure to achieve a pass grade in the first scheduled 16 day placement may result in students being withdrawn from their second 16 day placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
CSCD5035 Professional Development 2H	3	P CSCD5026 Professional Development 1 <i>Note: Department permission required for enrolment in the following sessions: Semester 2 This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1 Semester 2
CSCD5036 Research in Clinical Practice 1	3	<i>Note: Department permission required for enrolment in the following sessions: Semester 2 This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult</i>	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD5037 Research in Clinical Practice 2	12	P CSCD5036 Research in Clinical Practice 1	Semester 2
CSCD5053 Clinical Practice 3 - Paediatric	6	P CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2 <i>This unit of study is typically completed with concurrent enrolment with CSCD5053 Clinical Practice 3: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.</i>	Semester 1 Semester 2
CSCD5054 Clinical Practice 3 - Adult	6	P CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

19. Research Degrees

Note: Information in this chapter should be read in conjunction with the resolutions of the Senate in the University of Sydney Calendar, University of Sydney (Doctor of Philosophy (PhD)) Rule 2004, and the University Postgraduate Research/Coursework handbook.

The faculty offers supervision in a range of research training opportunities in the health sciences that are supported within the following research areas.

Research groups

- Clinical and Rehabilitation Sciences
- Disability and Community
- Exercise, Health and Performance
- Health Systems and Global Populations
- Medical Imaging and Radiation Sciences

Research units

- Ageing Work and Health Unit

Research centre

- Australian Stuttering Research Centre

Each of these bodies conducts a wide range of research. Further details may be found at:
www.fhs.usyd.edu.au/research_innovation.

The faculty offers the following postgraduate research degrees that may be taken across any of these faculty research areas:

- Doctor of Philosophy
- Doctor of Health Science (*for continuing students only*)
- Master of Applied Science.

Course design

The courses have different designs but there are a number of common features. All higher degree research students must complete an annual progress report and interview annually.

Students are expected to participate regularly in University and faculty forums and conferences, virtual or campus-based, as active members of the research community.

Students will be expected to present their work to their peers at least once a year in research forums.

Supervision

For each student, a supervisor who is a member of the academic staff of the faculty will be appointed. In accordance with University policy, one or more associate supervisors will also be appointed. These supervisors are normally identified during consultations prior to application to the research course. The faculty strongly encourages all applicants to consult with their proposed primary supervisor prior to and during the application process.

Application

For local students, an application should be made on the prescribed form and should be lodged with the Research and Innovation Office (Cumberland). Forms may be downloaded from these websites:

- sydney.edu.au/health_sciences/future_students/research_degrees
- www.fhs.usyd.edu.au/forms/research/pg_research_application.pdf

International students apply through the University's International Office. See www.usyd.edu.au/internationaloffice.

Costs

The federal government's Research Training Scheme (RTS) provides HECS exemptions for Commonwealth-funded higher degree students for the duration of an accredited higher degree course. This means local PhD and HScD students are covered by the scheme for four years fulltime (or equivalent) and research Master students are covered for two years full time (or equivalent).

For information on fees for international students, see: www.usyd.edu.au/internationaloffice/publications/fees.shtml.

Further Enquiries

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Doctor of Philosophy (PhD)

The PhD is designed to provide graduates with the opportunity to undertake in-depth study in a specialised area. It is a research degree that, for most students, has a minimum period of candidature of three years. The PhD degree is important for academic appointments and research appointments in government and industrial research and development organisations.

The Faculty of Health Sciences is able to offer supervision across a broad range of research topics. Areas of research expertise are available on respective faculty research group websites. To access this information visit the faculty's research website (sydney.edu.au/health_sciences/research_innovation) and follow the links to the research area of your choice.

Program aims

The PhD has two aims. One is to prepare a substantial piece of

research work that represents an original contribution to the particular field of study, while the other is to train candidates in the general area of research methodology, equipping them with skills which will serve them in any area of research.

Admission requirements

The minimum admission requirement to the PhD is a master's degree with a significant research component, or a bachelor's degree with first or second class honours, from the University of Sydney, or equivalent qualification.

Alternatively, you may be admitted having passed a qualifying examination at an equivalent standard. This could be the completion of a period of relevant advanced study and research towards a master's degree at the University of Sydney.



The proposed course of advanced study and research must receive approval from the faculty research group convenor or unit director, who also certifies that appropriate supervisors and resources are available. In most instances, a period of probationary candidature of two semesters is required. Some coursework may be required, but in no case is it a major component.

Supervision

PhD students are expected to work individually and under the direction of their primary supervisor and one or more associate supervisors on advanced study and research in one of the chosen research areas.

Doctor of Health Science (HScD)

Note: No new intake in 2011. The information provided below is for continuing students only.

The focus of the Doctor of Health Science (HScD) program is on developing the researching professional, in comparison with the PhDs greater focus on preparing professional researchers and academics. Students extend their professional knowledge and practice, develop their research skills, and conduct relevant research in health professional settings. The program is interprofessional and multidisciplinary in its approach.

There are particular pathways between many of the faculty's master's by coursework degree programs and this degree program. Prospective students interested in developing a plan of advanced study connecting a master's by coursework to the Doctor of Health Science should consult with the academic coordinator for their chosen master's course and/or the academic coordinator for the Doctor of Health Science program.

Program aims

The broad aim is to strengthen the relationship between the University and the professional workplace through improving linkages between workplace practice and practice-based research. The program provides advanced professional development for professionals working in the health field who wish to acquire the knowledge and skills required to assume leadership. These roles might be, for example, as program planners, clinical managers, clinicians who conduct some research and/or educators. There is an emphasis on systematic and scientific investigation to interpret theory and research, critique current methods and interventions and translate these findings into a form which can direct present and future practice. Current health practice requires health professionals to take an evidence-based practice approach, to be more responsive to health systems issues, to be more focused on efficacy of clinical interventions and to be more flexible in the ways services are provided. These changes require current and aspiring leaders in the health professions to develop sophisticated intellectual and practical skills that have not, until recently, been in high demand, and to develop new ways of organising the delivery of care to clients in organisations with diminishing resources.

Graduates will have developed high-quality research and inquiry skills. These skills will enable them to conduct research that will contribute to the development of their professions and enhance health practice generally by means of promoting a greater understanding among health professionals of the knowledge, roles and practices necessary for high-quality health service delivery. This will enable them, for instance, to design, implement and evaluate health care programs to ensure they are responsive to meeting current health needs. The degree is thus not intended to be just profession specific: rather it is premised on the idea of greater professional flexibility and the development of new forms of practical knowledge through disciplinary and/or multidisciplinary study. The Doctor of Health Science program offers a path for professionals in health related areas to extend their expertise and to initiate research in workplace settings.

Time limits

Candidates can proceed on a full or part-time basis. The normal maximum length of candidature would be four years full time and eight years part time.

The *University of Sydney (Doctor of Philosophy (PhD)) Rule 2004* is outlined in the General University section at the back of the handbook.

Admission requirements

The Dean may admit an applicant to candidature for the degree if the applicant holds or has fulfilled the requirements for:

- Bachelor of Applied Science or the Bachelor of Health Sciences with first or second class honours from the University of Sydney, or an undergraduate degree in the health sciences deemed to be equivalent, or
- Master of Applied Science from the University of Sydney, or
- Master of Health Science from the University of Sydney with a credit average of at least 70, or equivalent, and
- a minimum of three years recent, full-time experience in the health field, or equivalent.

Course design

The program, primarily designed for part-time study, has a normal expectation of the equivalent of three years full-time study, consisting of up to one-third coursework and the remaining in independent research and study, leading to production of a thesis. While a full-time study program is detailed in Table 19.1, units of study to suit an individual student's needs may not always be available.

The coursework component, comprising a minimum of six to a maximum of eight units of study, assists students to develop their expertise. Students are able to specialise in any of the profession-specific areas within the faculty, although not all areas will be available for any one intake. An outline of the coursework component is presented in Table 25.1. Course work is typically completed in the first third of candidature; however, this may be varied with the supervisor's approval where appropriate.

The research component is the conduct of a research project under the direction of a supervisor and one or more associate supervisors appointed by the University. The outcomes will be scholarly, reflect rigorous research and will make an original contribution to knowledge.

The degree is awarded when the candidate has completed all course requirements and the candidate's thesis has been successfully examined.

Coursework units of study

Core units

BACH5026 Special Investigation
DHSC7001 Theory in the Health Professions
DHSC7003 Foundations for Doctoral Studies
DHSC7005 Developing a Research Proposal
DHSC7006 Leading in the Health Professions

Required research methods

One unit selected from the following list and approved by the student's supervisor:
BACH5011 Survey Research Methods
BACH5068 Statistics for Clinical Research
BACH5253 Intermediate Statistics

BACH5255 Qualitative Research Methods
 BACH5328 Evaluating Health Interventions
 PUBH5018 Introductory Biostatistics
 PHTY5190 Evidence-Based Decision Making

Students should note that some of the above may only be available by distance mode while others may only be available in on-campus mode. Details of mode and semester of availability are included in the unit of study descriptions. Students may also select a research unit of study offered elsewhere in the University, but not on this list, with permission of their supervisor.

Elective unit(s)

Students will normally complete one or two electives, approved by the student's supervisor, to extend their knowledge and capabilities in relevant research and/or practice in keeping with the aims of the Doctor of Health Science program.

Electives will usually be chosen from the range of graduate units of study currently offered within the faculty and University. Unit of study descriptions and a list of faculty electives are found in Chapter 20.

Students will select their electives in consultation with their supervisors. An initial agreed coursework program must be specified in the application for admission.

Students should note that some of the above may only be available by distance mode while others may only be available in on-campus mode. Details of mode and semester of availability are included in the unit of study descriptions.

Research and thesis

Thesis

The primary product of the student's research and study is the thesis. The topic of the research and thesis shall be approved by the faculty. The student shall submit for examination a thesis of 60,000 words (or equivalent), which shall be a substantial and original contribution to the subject concerned. The thesis may be presented in traditional form or as thesis including publication(s) according to University rules.

Research presentations

Students will be expected to present their work to their peers at least three times in research forums (one of which should be external to the University). Two will take the form of 'work in progress' colloquia. The last might be analogous to an oral defence of the nearly completed thesis.

Opportunities internal to the University will include both faculty research forums and University research conferences open to all health sciences researchers. Students are expected to participate regularly in University and faculty forums and conferences, virtual or campus-based, as active members of the research community. Flexible modes of communication are sometimes used to involve students located at a distance in on-campus activities. The level and frequency of participation is agreed in principle on admission.

Students completing the program in off-campus mode are normally expected to attend the faculty forums. During that period of residence and at other times by mutual agreement they are expected to make contact with significant academic staff within the faculty.

Credit transfer

An applicant applying for credit transfer will have satisfied the admission criteria listed above and have demonstrated a high level of competency. In general, no more than 50 percent of the total coursework credit points for the award of the degree will be granted credit transfer. Credit transfer will only be granted for units of study undertaken within the last five years. Application for credit transfer is made as part of the application for admission to the HScD program.

For credit for coursework, academic achievement will be at credit level of at least 70 in any unit of study for which credit transfer is sought, with the exception of BACH5186 Professional Development Skills

where a distinction level of at least 75 is required. Approval for credit transfer will be granted by the Sub Dean (Research Students) on the recommendation of the Doctor of Health Science Program Coordinator, in consultation with the student's supervisors.

Normally, credit transfer will only be granted for previously completed units of study that can be demonstrated as directly contributing to the student's total program of study in the Doctor of Health Science degree. General faculty policy on credit transfer for the professional doctorate, together with specific policy in relation to core, elective and research units of study is listed below.

Core units of study

Credit transfer is granted for core units of study only in certain circumstances. Credit may be granted if the units of study were undertaken while enrolled in a Master's by coursework in the Faculty of Health Sciences as part of a planned pathway to doctoral research degree candidature. In exceptional circumstances, credit may be granted if students can show that they have completed these units of study, or highly equivalent units of study, at the required level in another award program.

Elective units of study

Prospective students will consult with their supervisor regarding credit transfer for elective units of study. Credit transfer will be granted for already completed units of study if the supervisor in consultation with the academic coordinator considers the completed units as relevant to the student's thesis research project. Credit transfer applications must be signed off by the student's supervisor and the program's academic coordinator and approved by the Sub Dean (Research Students).

Research units of study and thesis

For those with a part-completed candidature in a research master's degree, up to two semesters (full-time equivalent) credit transfer may be granted for the research thesis component. Students should take into account that while such credit transfer will reduce the minimum time of thesis submission, it may also reduce the amount of HECS exemption. The amount and nature of credit transfer in the research thesis will generally be given by the Sub Dean (Research Students) on the recommendation of the HScD program coordinator after consultation with the student's supervisor.

Progression

All higher degree research students complete an annual progress report and are interviewed annually. Satisfactory progress is indicated by:

- completing coursework requirements at the rate of two units of study per semester (part-time enrolment) or four units of study per semester (full-time enrolment)
- achieving at least a credit average in units of study undertaken in the course to date
- presenting to peers at least once in approximately the first, middle and final thirds of candidature
- Achieving approval of the student's research proposal
- Achieving objectives agreed with the supervisor for the year or other outcomes agreed equivalent.

Unsatisfactory progress is indicated by failure to achieve the milestones above. Additionally, requiring leave of absence for more than 12 months would be taken to indicate unsatisfactory progress.

Costs

Local students should note that under the Research Training Scheme (RTS) a maximum of four years full time equivalent enrolment in the course is allowable. During local enrolment the Higher Education Contribution Scheme (HECS) exemption applies at either a full-time rate (for local students enrolled full-time) or a part-time rate (for local students enrolled part-time).

International students must pay fees for part time or full-time study.

Thus, full-time students enrolled in the coursework component are required to enrol in four units of study per semester (24 credit points) and part-time students are required to enrol in two units of study per semester (12 credit points). Student should take this into account when planning their research and study program. Students who are unable to meet these requirements or wish to seek further information about progression rate in the program should seek advice.

Further enquiries

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Course outline

The course outline for the Doctor of Health Science is presented in Table 19.1.

Table 19.1: Doctor of Health Science

Unit of study	Credit points	A: Assumed knowledge	P: Prerequisites	C: Corequisites	N: Prohibition	Session
Course code SB017						
On or off-campus: full-time, minimum 3 years, maximum 4 years; part-time, minimum 3 years, maximum 8 years						
Full-time mode						
Year 1 (Coursework)						
Semester 1						
BACH5026 Special Investigation	6		<i>Note: Department permission required for enrolment</i>			Semester 1 Semester 2
DHSC7001 Theory in the Health Professions <i>This unit of study is not available in 2011</i>	6		<i>Note: Department permission required for enrolment</i>			Semester 1
DHSC7003 Foundations for Doctoral Studies <i>This unit of study is not available in 2011</i>	6		<i>Note: Department permission required for enrolment</i>			Semester 1
One approved elective [6]						
SEMESTER 1 TOTAL: 24 CREDIT POINTS						
Semester 2						
DHSC7005 Developing a Research Proposal <i>This unit of study is not available in 2011</i>	6		P DHSC7003 Foundations for Doctoral Studies <i>Note: Department permission required for enrolment</i>			Semester 1 Semester 2
DHSC7006 Leading in the Health Professions <i>This unit of study is not available in 2011</i>	6		<i>Note: Department permission required for enrolment</i>			Semester 2
Two approved electives [12]						
SEMESTER 2 TOTAL: 24 CREDIT POINTS						
Years 2 and 3 (Research Thesis)						
Part-time mode						
Year 1 (Coursework)						
Semester 1						
DHSC7001 Theory in the Health Professions <i>This unit of study is not available in 2011</i>	6		<i>Note: Department permission required for enrolment</i>			Semester 1
DHSC7003 Foundations for Doctoral Studies <i>This unit of study is not available in 2011</i>	6		<i>Note: Department permission required for enrolment</i>			Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS						
Semester 2						
BACH5026 Special Investigation	6		<i>Note: Department permission required for enrolment</i>			Semester 1 Semester 2
1 approved elective [6]						
SEMESTER 2 TOTAL: 12 CREDIT POINTS						
Year 2 (Coursework)						
Semester 1						
DHSC7005 Developing a Research Proposal <i>This unit of study is not available in 2011</i>	6		P DHSC7003 Foundations for Doctoral Studies <i>Note: Department permission required for enrolment</i>			Semester 1 Semester 2
1 approved elective [6]						
SEMESTER 1 TOTAL: 12 CREDIT POINTS						

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
DHSC7006 Leading in the Health Professions <i>This unit of study is not available in 2011</i>	6	<i>Note: Department permission required for enrolment</i>	Semester 2
1 approved elective [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3 and subsequent years (Research Thesis)			

Master of Applied Science (MAppSc) - SC108

The master's degree offers candidates, from a wide range of disciplines and training, the opportunity to pursue their research interests within the faculty. Candidates are expected to work individually and under the direction of a primary supervisor and one or more associate supervisors on advanced study and research in one of the chosen research areas. At the end of the candidature, a student is expected to present a thesis for examination.

The proposed research topic must receive approval from the convener of the appropriate research group or unit director within the faculty who will also certify that appropriate supervisors and resources are available.

The faculty can offer supervision over a broad range of research topics. Areas of research expertise are available on the respective Faculty Research Group websites. To access this information visit the Faculty of Health Sciences at www.fhs.usyd.edu.au, and follow the links to the research area of your choice.

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Applications

- An application for admission to a master's degree program is accepted subject to the availability of facilities and supervision. Courses and arrangements as stated in the handbook or any other publication, announcement or advice of the faculty are expression of intent only and are not to be taken as a firm offer or undertaking. The faculty reserves the right to discontinue or vary such courses, or arrangement of staff allocations at any time without notice.
- An application shall be made on the prescribed form and shall be lodged with the Research and Innovation Office (Cumberland).
- An application shall normally be made by the end of October immediately preceding the year in which the applicant wishes to register, except that, for a program being conducted for the first time, application for admission shall be made by the specified closing date, as determined by the head of the Research and Innovation Office (Cumberland), from time to time.
- An applicant may seek admission to a master's degree program either as a full-time or part-time on-campus or full-time or part-time off-campus student.

Time limits

Candidates can proceed on a full or part-time basis. The normal maximum length of candidature would be four semesters full-time and eight semesters part-time.

Admission Requirements

To qualify for admission to the Master of Applied Science degree, applicants must possess:

- A relevant bachelor's degree from the University of Sydney or other Australian university or an overseas institution of higher education equivalent to an Australian bachelor degree.
- Evidence of general and academic qualifications and experience as will satisfy the faculty that the applicant possesses the

educational preparation and capacity to pursue independent research

Criteria for this program may differ from each area of study.

20. Postgraduate units of study

This section contains a list of the units of study available to postgraduate students as general electives and research electives. It also contains details of all postgraduate units of study available in the Faculty of Health Sciences. It should be noted that:

- Not all units of study are offered each semester.
- The mode of presentation varies between units of study.

- The credit point values of units are not all the same.
- There may be limitations on enrolment in some units of study.

Students who require further information about the content or administration of the units of study and when they are offered should contact the coordinator of the specific unit.

Faculty elective lists

The following list shows the units of study available as electives or research electives to postgraduate students throughout the faculty. The mode of presentation varies between academic units. Units are offered subject to sufficient demand and staff availability. See the

pages following for descriptions of the units of study. Students who require further information on the content or administration of electives and when they are offered should contact the coordinator of the specific unit of study.

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Faculty electives			
BACH5042 Teaching Clinical Reasoning	6		Semester 2
BACH5085 Clinical Teaching and Supervision	6		Semester 1
BACH5116 Developing eLearning in Health Contexts	6	A Basic computer skills and some knowledge of adult learning theory would be useful Broadband internet access is essential	Semester 2
BACH5118 Learning in Groups	6	Note: Department permission required for enrolment Broadband internet access is desirable	Semester 1
BACH5224 Organisational Management	6		Semester 1
BACH5321 Psychology for Graduate Students	6	Note: Department permission required for enrolment in the following sessions: Semester 2	Semester 1 Semester 2
BACH5336 Lecturing and Large Group Teaching	6	A BACH5001 Adult Learning and BACH5002 Educational Design Broadband internet access is essential	Semester 1
BACH5345 Workplace Health and Safety	6		Semester 1
BIOS5041 Ageing, Biology and Health	6		Semester 2
BIOS5069 Introduction to Sexual Health	6		Semester 1
BIOS5070 Communication Skills in Sexual Health	6		Semester 1
BIOS5075 Managing Sexual Dysfunctions	6		Semester 1
BIOS5079 Sexuality and Ageing	6		Semester 2
BIOS5083 Sex, Gender and Sexuality	6		Semester 2
BIOS5088 Sexuality in Illness and Disability	6		Semester 1
EXSS5029 Exercise Metabolism and Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology	Semester 1
EXSS5030 Human Mechanics	6	A Fundamental functional anatomy	Semester 1
EXSS5050 Human Motor Learning and Control	6		Semester 1
HIMT5023 Fundamentals of Medical Terminology	6		Semester 2
HIMT5067 Evidence Based Health Care	6		Semester 1



20. Postgraduate units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HIMT5069 Health Care Systems	6	<i>Note: Department permission required for enrolment in the following sessions: Semester 1</i>	Semester 1 Semester 2
HSBH5001 FHS Abroad	6	P Successful completion of an undergraduate health sciences degree or equivalent. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSBH5002 FHS Indigenous Communities	6	P Successful completion of all 1st year units in a graduate entry masters FHS degree <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MRTY5056 Patient/Practitioner Communication	6		Semester 2
OCCP5187 Falls Prevention With Older People	6	<i>Available to MOT students</i>	Semester 1
PHTY5134 Therapy in Disorders of the Hand <i>This unit of study is not available in 2011</i>	6	A Graduate experience in hand therapy as a qualified physiotherapist or occupational therapist <i>Note: Department permission required for enrolment</i>	Semester 2
Faculty research electives			
BACH5026 Special Investigation	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BACH5068 Statistics for Clinical Research	6	<i>Students must have access to a PC to load and use the statistics packages SAS or SPSS</i>	Semester 1 Semester 2
BACH5255 Qualitative Research Methods	6		Semester 2
BACH5341 Research & Inquiry in Health Professions	6	N BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005	Semester 1 Semester 2
OCCP5145 Research Elective Independent Study	6	A BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research, BACH1147 Qualitative Health and Social Research, or equivalent	Semester 1 Semester 2
The offering of these electives will depend on availability of staff and student demand.			

Unit of study descriptions

BACH5001

Adult Learning

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package with WebCT support. **Assessment:** Assignment based, written assessments (30%,10%,60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Broadband internet access is desirable, last offering of this unit

The unit has been designed to encourage you to think critically about the concepts, strategies and theories of adult learning (traditional and contemporary) from theoretical and research literature relevant to education across the health sciences and services. The purpose of this process is to enable you to make informed, evidence-based arguments for enhancing deep approaches to student learning and encouraging self-regulated learning in your own teaching practice.

BACH5002

Educational Design

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1, Semester 2 **Classes:** Distance Learning. No on-campus classes. **Assessment:** Planning project submitted as two assignments (60% and 40%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Broadband internet access is desirable

This unit examines the procedures and practices used by an educational designer in collecting and analysing data required for planning and proposing educational programs and designing effective learning plans. The models and readings recognise the differences and commonalities in the design needs of academics, clinical teachers and professional educators in university and further education settings, clinical and workplace contexts, and patient and community health education. Current concerns, such as evidence based design, constructive alignment, flexible and technology based modes of delivery and student approaches to learning are addressed. Participants experience design processes, such as pedagogical reasoning, by undertaking a small design project relevant to their setting.

Textbooks

Caffarella R, Planning Programs for Adult Learners: A Practical Guide for Educators, Trainers and Staff Developers, Jossey Bass, San Francisco (2002)
Fraser K, Student Centered Teaching: The Development and Use of Conceptual Frameworks, Green Guide No 18, Higher Education and Research Society of Australasia (1996)

BACH5011

Survey Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** Individual supervision; night classes and distance education **Assessment:** Three written assignments (3x33.3%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

BACH5026

Special Investigation

Credit points: 6 **Teacher/Coordinator:** Associate Professor Roger Standliffe **Session:** Semester 1, Semester 2 **Classes:** Independent learning; contract arrangement with supervisor **Assessment:** Individual negotiated learning contract (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit provides participants with an opportunity to investigate an area relevant to a theory, practice or a significant topic or issue of relevance to their professional interest. Many students use this as an

opportunity to undertake a critical review of the literature or explore an innovation in their workplace. Prospective students need to contact their program coordinator to discuss their topic.

BACH5042

Teaching Clinical Reasoning

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 2 **Classes:** Blended mode: online learning with 2 on-campus sessions **Assessment:** Assignments (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Participants explore theories, models and research of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

Textbooks

Higgs, J. Jones, M.A, Loftus, S. and Christensen, N. (Eds.) (2008). Clinical Reasoning in the Health Professions. (3rd ed.) Elsevier: Boston.

BACH5068

Statistics for Clinical Research

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard, Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Off-campus **Assessment:** Four written assignments, Descriptive statistics (10%), Inferential statistics 1 (25%), inferential statistics 2 (25%), Regression and non-parametrics statistics (40%) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Students must have access to a PC to load and use the statistics packages SAS or SPSS

This unit aims to introduce students to basic statistical principles relevant to the manipulation and analysis of clinical data. Students will be exposed to concepts of sampling, distributions of scores, summaries of data, and treatment of categorical and quantitative data. This last topic will include chi square analysis, calculation of confidence intervals, tests for differences in the locations of samples (including t-tests and tests for non-normally distributed data), correlation and regression, sample size estimation and an introduction to survival analysis. It is expected that at the conclusion of the unit students will be able to: appraise published statistical analyses; perform simple statistical tests by hand and with the assistance of a computer package SAS or SPSS; and present statistical data.

Textbooks

Various recommended texts on introductory statistics

BACH5085

Clinical Teaching and Supervision

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1 **Classes:** Semester1 Blended mode: online learning with 2 on-campus sessions **Assessment:** Assignment (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study is concerned with exploring current theory and best practice in teaching and supervision in clinical settings. Participants will be expected to develop a critical and research-informed understanding of the clinical setting as a highly complex and specialised context for student learning. Participants will be introduced to the principles of roles and responsibilities of clinical educators/supervisors/teachers, styles and models of clinical supervision, clinical assessment, and other important issues. These issues include integrating theory into clinical practice, mentorship and preceptorship, managing difficult situations, reflections, etc. The teaching and learning experiences in this subject are structured to allow you the opportunity to learn and apply these principles to your own teaching contexts.

Textbooks

Rose, M & Best, D. (Eds.) (2005). Transforming practice through clinical education, professional supervision & mentoring. Elsevier: Churchill Livingstone.

BACH5116**Developing eLearning in Health Contexts**

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 2 **Classes:** WebCT **Assumed knowledge:** Basic computer skills and some knowledge of adult learning theory would be useful **Assessment:** Presentation (50%), Written assignment (50%) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Broadband internet access is essential

In this unit of study, participants will be introduced to the research and theoretical literature, and evolving technologies in the field of eLearning. Participants will apply elements of best practice in their design of elearning for their own contexts. On completion of this unit, participants should be able to provide an evidence based educational rationale for their choice of elearning design and use of relevant technologies. Weekly participation in online discussion forum is mandatory.

BACH5118**Learning in Groups**

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1 **Classes:** Distance mode, no on-campus classes **Assessment:** Online group assignment, observation report, reflective report (40%, 40%, 20%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Broadband internet access is desirable

This unit is concerned with working in groups and learning in groups and leadership. The focus is on group processes and the way in which we can facilitate these in an educational leadership role, or as a teacher, learner or participant in order to achieve effective learning and productive work related goals. The common core of knowledge for working effectively in these types of groups is group dynamics (how groups function). The unit does not directly address personal growth and therapeutic groups, or social support through groups other than the extent to which these may have a learning agenda. Participants discuss and critique the theoretical explanations of group processes and apply these to group functioning. Skills are developed in noticing and diagnosing aspects of group process. Participants work in interprofessional groups to undertake an online project and consideration of professional, indigenous and culturally diverse groups is essential. Some knowledge of adult learning theory is an advantage (readings are suggested).

Textbooks

Jaques D & Salmon G, Learning in Groups: A Handbook for Face-to-Face and Online Environments (4th ed), Routledge (2006)

BACH5186**Professional Development Skills**

Credit points: 6 **Teacher/Coordinator:** Prof Glennys Howarth **Session:** Semester 1, Semester 2 **Classes:** Distance education with WebCT support: no on-campus attendance required **Assessment:** Secondary source data analysis (30%), Literature review (50%), Discussion (20%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: Broadband internet access is desirable

Participants in this unit of study will be expected to develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical analysis, formation of tables and graphs, critical literature review. Participation in WebCT discussion forum is mandatory.

BACH5224**Organisational Management**

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1 **Classes:** Distance education **Assessment:** Three written assignments (25%, 30%, 45%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally

agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses these as a springboard for the analysis of changing functions of a successful manager.

BACH5253**Intermediate Statistics**

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard, Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Distance education with some night classes **Prerequisites:** BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research; or equivalent **Assessment:** Written reports, written exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in BACH1143 Designing Health Research and BACH1145 Quantitative Health and Social Research. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BACH5255**Qualitative Research Methods**

Credit points: 6 **Teacher/Coordinator:** Dr Russell Shuttleworth **Session:** Semester 2 **Classes:** Either on-campus, 3hrs lecture, lab, tutorial/week or by distance education **Assessment:** 2x1500 word essays (journal entries) (2x25%), 1x3,000 word essay (draft research proposal) (50%) **Practical field work:** 2hrs fieldwork **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate; students also work on a research project of their choice throughout the semester.

Textbooks

Silverman D, Doing Qualitative Research (2nd ed), Sage (2005)

BACH5321**Psychology for Graduate Students**

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Four online assessments (online quiz style, 1500 word equivalent length) (4x25%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 2.

This unit provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour - how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. This unit is only available to students who have no undergraduate studies in psychology.

BACH5328**Evaluating Health Interventions**

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** Web-based **Assessment:** Continuous. Project based assignments and participation **Campus:** Cumberland **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Researchers and professional evaluate health interventions to improve knowledge of health, disease and clinical practice, and to support decision making for improved health services. This unit will enable students to make informed choices among a range of evaluation perspectives, theories, methods and designs.

Textbooks

Ovretreit J, *Evaluating Health Interventions*, Open University Press, Buckingham (1998)

BACH5336

Lecturing and Large Group Teaching

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1 **Classes:** Distance learning only, no on-campus classes **Assumed knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design **Assessment:** Analysis report (10%), eResource (30%), Lecture Plan (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Broadband internet access is essential

This unit examines the context of large group teaching with a particular focus on effective lectures and lecturing within and outside university settings. Lecture structure is considered in the light of recent evidence concerning the impact of memory, attention and motivation in the process of student learning and the transfer of learning. Design issues, such as strategies to engage deep learning, monitoring understanding, and flexibility offered by the new information and communication technologies are explored. Relevant micro-skills of teaching, such as getting and keeping attention, explaining, variation, dynamic structuring and managing disruption are addressed.

Textbooks

Recommended:

Bligh D, *What's the Use of Lectures?*, Jossey Bass, San Francisco (2000)
Fraser K, *Student Centred Teaching: the Development & Use of Conceptual Frameworks*, Green Guide No 18, Higher Education & Research Society of Australasia, Canberra (1996)
Biggs J, *Teaching for Quality Learning at University* (3rd ed), Open University Press, UK (2007)

BACH5338

Cyberpsychology and Online Health

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2 **Classes:** On-campus, 2hrs lectures, lab, tutorial/week **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Cyberpsychology and e-health aims to educate those seeking careers in allied health on how societal and individual health is both affected and resourced by the internet. The unit of study will be based on current research and policy guidelines set by the Australian and American Medical Associations, the American Psychological Association and Australian Psychological Society for the use of information technology in the following areas: informing allied health professionals of online resources for their profession; how types of ICT functions may affect the behaviour of youth and the elderly; ethics and viability of delivering general health and mental health resources online; the evolution of telemedicine and cyber-pharmacology practices; provision of psychological therapy over the internet; general health and mental health research and testing online; quality control and assessment of general and specific online health resources; future directions of information technology and its application to health.

Textbooks

No set textbook, but recommended reading will be provided

BACH5341

Research & Inquiry in Health Professions

Credit points: 6 **Teacher/Coordinator:** Dr Kaye Brock and Dr Rob Heard (Sem 1), Dr Tatjana Seizova-Cajic (Sem 2) **Session:** Semester 1, Semester 2 **Classes:** Distance mode (students must have access to the internet): 3hr group on-campus consultations (optional) **Prohibitions:** BACH3126, BACH4047, BACH5268, DHSC7002, DHSC7005 **Assessment:** Three Online quiz's (40%), Literature review (10%), Draft proposal (10%), Final Proposal (40%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit provides an overview of the research process and focuses on the formulation of a proposal for a small research project. It provides students with an opportunity to learn about (or update their knowledge

of) research methods at the introductory level and acts as an introduction to the research electives which concentrate on a particular methodology or aspect of the research process. Students explore quantitative and qualitative approaches to research with their own specific research question in mind. Basic research designs are considered (including interview, observation, longitudinal and cross-sectional designs, experiment, single case study, survey) together with their suitability for investigating different types of research questions. Students also learn about ethics in research, sampling, validity and reliability of measures and descriptive statistics.

Textbooks

Minichiello V, Sullivan G, Greenwood K & Axford R, *Handbook of Research Methods for Nursing and Health Sciences* (2nd ed), Pearson Education Australia, Frenchs Forest (2004)

Babbie E, *The Practice of Social Research* (11th ed), Thomson/Wadsworth, Belmont (2007)

BACH5345

Workplace Health and Safety

Credit points: 6 **Teacher/Coordinator:** Professor Philip Bohle **Session:** Semester 1 **Classes:** One 2-hour seminar, one 1-hour tutorial per week **Assessment:** One 2,000-word essay (50%), one 2,000-word case study (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study presents a multi-disciplinary and critical introduction to the study of health and safety at work. It evaluates the perspectives of the wide range of health, technical and health disciplines that contribute to the field and guides the application of these perspectives to a broader and more comprehensive understanding of disease and injury prevention and management. It addresses theories of occupational injury and disease causation; the health and safety of older workers; precarious employment and occupational health and safety; regulation and prevention; workers compensation and rehabilitation; approaches to health and safety management; worker participation and involvement; and case studies of 1) occupation stress; 2) working hours, work-life conflict and health and 3) work-related musculoskeletal injuries.

Textbooks

Quinlan, M., Bohle, P. & Lamm, F. (2010). *Managing occupational health and safety: A multidisciplinary approach* (3rd Edition). South Yarra: Palgrave Macmillan

BIOS5041

Ageing, Biology and Health

Credit points: 6 **Teacher/Coordinator:** Dr Peter Knight **Session:** Semester 2 **Classes:** Web-based. No on-campus attendance required **Assessment:** Three 2000 word essays **Campus:** Cumberland **Mode of delivery:** On-line

This unit studies human ageing from biological perspectives. The emphasis is on understanding the main features of 'normal' ageing or senescence as distinct from disease processes and the contribution of environmental factors to ageing. It has three modules: the normal process of ageing (which addresses the factors contributing to ageing, the effects of ageing on body systems, and the relationship between ageing and disease); the effects of hospitalisation and medications on the aged; and preventive gerontology focusing on nutrition and exercise.

BIOS5067

Sexual Health Placement and Supervision

Credit points: 6 **Teacher/Coordinator:** Unit coordinator: Mr Brett McCann; FHS coordinator: Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** Clinical placement 100hours **Assessment:** Feedback from placement supervisor (30%), Reflective report 2000 words (40%), Interview with coordinator (30%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

The aim of this unit is to provide the student with the opportunity to apply the competencies and skills learned in the other units in a practical field work situation. The student will have a choice of working in the research, education or counselling fields of sexual health. The University will assist the student to find a suitable professional placement and supervision. This will provide the opportunity for supervised training in sexual health. Students will gain practical experience while reflecting on personal and professional learning goals. Students will be able to take theoretical sexual health models

(in counselling, research or education) and utilise them within a practical field setting. At the end of the unit, the student will display a standard of skill in sexual health (education, research or counselling) deemed acceptable practice and based on the theoretical framework of the profession. The placement will consist of approximately 200 hours of supervised activities based on a learning contract negotiated between the student and supervisor in consultation with the unit coordinator. Assessment of performance in this unit of study will be based on feedback from the placement supervisor, submission of the placement activity diary and reflective reporting both to peers and the course coordinator.

BIOS5069

Introduction to Sexual Health

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** Offered in off-campus online learning mode in Semester 1. **Assessment:** Consist of three group work tasks (5%) and (2x20%), quiz (20%), two assignments (10%) and (25%) **Campus:** Cumberland **Mode of delivery:** On-line

This unit is designed to provide the student with an overview of sexual health and sexology as a science and as a profession. Sex, sexuality and sexual health will be approached in a holistic manner in keeping with the World Health Organisation (WHO) and the Millennium Declaration of World Association of Sexology (WAS). The history of sexual health and sexology will be presented in a manner as to encourage critical evaluation of personal and professional ideas and choices. The unit will provide an understanding of the bio-psychosocial aspects of sexuality and health care in a manner such as to promote positive attitudes to sexuality and sexual health. Students will work in a multi professional, multicultural environment and be encouraged to develop an awareness of sexuality and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries. This unit will explore specific issues in sexology and sexual health such as: sexual function and dysfunction; sexually transmissible infections and HIV; ethical and legal issues in sexology; sexual rights and factors that affect these; sexuality in illness and disability; sexuality and ageing; sexuality in pregnancy, infertility and contraceptive use.

This unit will be offered in a distance mode, using the WebCT (internet based) delivery platform. Assessment will include online quizzes, case based small group work assignments and individual activity reports. Synchronous online discussions will be held at times convenient to the students. The on-campus delivery mode will replace online discussions and activities with small group tutorials, presentations and seminars.

At the end of this introductory unit of study the students will: develop an awareness of sexuality and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries; be sensitised to their personal values and attitudes in sexuality and sexual health and explore the range of differences in others; be aware of the issues related to the sexual rights of all individuals; have an overall understanding of the bio-psychosocial aspects of sexuality and sexual health care; be able to apply these principles in their professional situation; develop an understanding of sexology as a science and profession; understand the way in which sexology developed over the years and the ways in which community knowledge, attitudes, values and beliefs developed over time.

Textbooks

Sexuality Now: Embracing Diversity (2009) Third Edition ed Janell L Carroll. Thomson Wadsworth

BIOS5070

Communication Skills in Sexual Health

Credit points: 6 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 1 **Classes:** Offered in off-campus online learning mode in Semester 1. **Assessment:** Group task (5%), on line MCQ (30%,20% and 10%) and an assignment (35%). **Campus:** Cumberland **Mode of delivery:** On-line

This introductory unit will provide the students with an overview of the models of sexual health counselling and professional ethics in a multicultural and global context. The students will explore ways of

discussing and communicating with clients of varying socio-cultural groups on sexual health issues in the context of their own professional situation. The students will be sensitised to their attitudes and beliefs in the area of sexual and reproductive health, and consider the range of attitudes, beliefs and values in the context of the clients' religious and socio-cultural background. The students will also explore ways of discussing and communicating with clients on sexual health issues in the context of the clients' comfort and context and their own professional situation.

At the end of the unit, the student will be able to: have an understanding of the terminology of sexual health and be aware of professional communication patterns, demonstrate an understanding of the principles of communication and assessment of clients presenting with a sexual concern, demonstrate the ability to take a sexual history and be able to apply the PLISSIT management model in the students' professional context, understand the range of personal and community agenda individuals bring to sexuality and sexual health, and how these affect professional communication, demonstrate an ability to perceive sexual health issues within local and global context..

Assessment will include online quizzes, small group work assignments and individual activity reports. The on-campus delivery mode will replace online discussions and activities with small group tutorials, presentations and seminars.

Textbooks

Egan, E. (2009) The Skilled Helper: A Problem Management and Opportunity Development Approach to Helping, 9th Edition, Brooks/Cole-Thomson Learning, Belmont, California, USA.

BIOS5071

Counselling in Sexual Health I

Credit points: 6 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 1 **Classes:** Offered in off-campus, online learning mode **Assessment:** reflective report (20%) group exercise (25%), interview (30%) and an assignment (25%). **Campus:** Cumberland **Mode of delivery:** On-line

This unit builds upon BIOS5070 Communication Skills in Sexual Health. Students may enrol concurrently in BIOS 5070 and BIOS 5071.

The unit will explore the range of counselling /therapeutic approaches related to sexuality and sexual expression. Students will look at the philosophical approaches, scientific background and evidence base for the most popular counselling approaches. The students will explore the common patterns of presentations in sexual concerns and dysfunctions with special reference to cultural and socio-cultural influences. This unit will enable students to identify specific counselling models and understand the application of counselling models to the area of sexual health counselling, especially in the context of different cultural and socio-cultural backgrounds. Specific topics will include: the role of pattern recognition as part of the counselling process and the process of identifying common patterns underlying client presentations; an overview of common counselling models (including cognitive, behavioural, systems theory, solution focused and narrative) and their application to sexual health; an overview of non-formal and alternate methods of 'counselling' such as tantric sex and surrogacy; understanding the evidence base for counselling practice and assessing the effectiveness of counselling models; applying counselling models to different areas of sexual health; understanding the problems and issues in counselling such as cross-cultural and religious factors related to sexual expression. This unit will be offered in a distance mode, using WebCT (internet based).

At the completion of this unit of study you will: demonstrate an understanding of common counselling models and scientific approaches to sexual counselling, demonstrate an understanding of the principles of sexual counselling and be able to apply the selected counselling models in the professional context to different areas of sexual health, be able to recognise, describe and understand the principles of application of the selected techniques in different sexual concerns, understand the evidence base for counselling practice and assessing the effectiveness of counselling models, be aware of the issues in sexual counselling such as socio-cultural, religious and gender factors related to the delivery of sexual health care,

demonstrate an ability to perceive sexual health issues within personal biases and values' context.

Textbooks

Skowronski, D., Okun, B.F, Blonna, R., Levitan, J, Barlow, D. H., Durand, V. M, Long, L.L., Young, M. E. (2007). *Counselling in Sexual Health*. Thomson Custom Publishing. Nelson Australia Pty Limited. (Text will be available 2nd week of March)

BIOS5072

Counselling in Sexual Health II

Credit points: 6 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 2 **Classes:** Off-campus, online learning mode **Assessment:** Will include two reports (20%) and (25%) an online MCQ (30%) and an individual assignment (25%). **Campus:** Cumberland **Mode of delivery:** On-line

This unit builds upon the earlier units in the counselling stream, namely, BIOS5070 Communication Skills in Sexual Health and BIOS5071 Counselling Strategies in Sexual Health I. Successful completion of these is a prerequisite for enrolment in this unit. This unit will provide the student an in-depth knowledge of the common counselling models in sexual health. These will include: the PLISSIT model and its application; the SNARCH model of counselling; cognitive behavioural therapy; systems model. A critical analysis of these models in terms of their applicability and outcome in varying sexual health situations and socio-cultural groups will be explored. Students will select one model that is most relevant to their personal and professional interest, and critically review the use and effectiveness in sexual health. They will then demonstrate their ability to apply this model in a hypothetical clinical situation, and defend the use of this method to the other members of the group. This unit will be offered in a distance mode, using WebCT (internet based).

Textbooks

Skowronski, D., Okun, B.F, Blonna, R., Levitan, J, Barlow, D. H., Durand, V. M, Long, L.L., Young, M. E. (2007). *Counselling in Sexual Health*. Thomson Custom Publishing. Nelson Australia Pty Limited.

BIOS5075

Managing Sexual Dysfunctions

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** No on-campus attendance required. Offered in a distance mode, using the WebCT (internet based) delivery platform **Assessment:** Online review quizzes, 2 debates on current issues (30%), individual activity reports (50%) and a reflective report on professional practice (20%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide the student with an understanding of the biological and psychosocial factors that influence the sexual response in males and females and the changes that take place through the lifecycle. The students will explore the concept of normality of sexual function and behaviour and the psychosocial factors that determine them. The students will critically evaluate the current models of the sexual response in males and females through the lifecycle and the range of sexual dysfunctions. The student will gain the competency to evaluate available management options from biological and psychosocial perspectives and select those appropriate for specific clients. At the end of the unit, the student will be able to: critically discuss the concept of "normality" and the range of values and behaviours in a socio-cultural context, demonstrating the ability to explore this from their personal context; discuss and critically evaluate the models used to explain the adult sexual response in males and females, based on current research; critique current classifications of sexual dysfunction and demonstrate the ability to evaluate common sexual concerns and dysfunctions based on current evidence and research; critically discuss the range of possible psychological, social and physical reasons for specific sexual dysfunctions, and place these in the context of clients' socio-cultural and religious background and beliefs; list and critically evaluate the management options available for the management of sexual concerns, as well as reflect on how these impact on their own professional practice.

Textbooks

J Bancroft (ed), *Human Sexuality and Its Problems* (3rd ed), Churchill Livingstone (2008)

BIOS5077

Advanced Reproductive Health

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** Distance online Web CT/Blackboard. Equivalent to 2 one hour lectures per week Plus 2 hours tutorials per week. **Assessment:** 1X group work contribution mark (20%), 4X essays 1000 words (80%) **Campus:** Cumberland **Mode of delivery:** Distance Education

The students will explore current information on common issues that arise in reproductive health from adolescence to old age including the biological and psychological aspects of pregnancy, infertility, termination of pregnancy and genetic counselling as they relate to sexuality and sexual health. This unit will provide the student with the skills to detect and manage issues in clients who present with reproductive concerns related to sexual health. They will have the opportunity to critically review and evaluate the current state of reproductive health in specific areas of personal and professional interest to the student. At the conclusion of this module students will be able to: critically evaluate the resources available to assist clients with reproductive health issues particularly related to sexual health from adolescence to old age; explore the options available for clients seeking contraceptive advice with special reference to their own cultural and socio-religious background; discuss the options available for clients presenting with an unplanned pregnancy and the problems with access in specific client situations; discuss the issues regarding sexuality that may arise during and after pregnancy; critically review the current literature on the intimacy and relationship issues that may arise for a couple with sub-fertility; demonstrate the ability to critically evaluate the evidence and research base to specific reproductive issues such as reproduction in older ages and genetic counselling.

BIOS5079

Sexuality and Ageing

Credit points: 6 **Teacher/Coordinator:** Dr Russell Shuttleworth **Session:** Semester 2 **Classes:** Distance education delivery- no on-campus attendance required, using the WebCT/Blackboard (internet based) delivery platform **Assessment:** Essay based assessments. 3x essays 1000 words (1x15%, 2x 20%); 1x essay 700 words (15%); 1x essay 500-800 words (20%); 1x essay 500-600 words (10%); **Campus:** Cumberland **Mode of delivery:** Distance Education

Students will explore and critically assess the literature on the sexual and reproductive changes that take place in older adults and the social, psychological and emotional consequences of these changes. Students will evaluate the research on sexual health concerns and dysfunctions in older adults and available management options. They will also be sensitised to the issues of sexual dysfunction and sexually transmissible diseases in the elderly, and the consequences of these on partners and carers. They will have the opportunity to explore their own attitudes towards sexuality and ageing and explore the situation in nursing homes and aged care facilities. Students will be encouraged to explore specific topic areas in depth, as relevant to their professional role and/or research interests. At the end of this unit, the student will be able to: 1) demonstrate an understanding of ageing in Australian society, and discuss the implications in terms of health; 2) explore personal values and attitudes to ageing and sexuality; 3) critically review the literature on the impact of biological changes and social and cultural contexts on the sexuality of older adults; 4) understand how the psycho-social and life changes of older age impact on sexuality and sexual health; 5) demonstrate the competence to detect and manage practical issues of sexual dysfunction related to ageing; 6) discuss the effects of specific diseases on the aged and their partners; 7) demonstrate an understanding of the issues of sexuality and intimacy in older adults in the context of nursing home and aged care facilities and their implications to professionals working in the field at all levels (e.g., administrators, carers, policy makers); and 8) discuss issues related to STIs in the aged population.

BIOS5083

Sex, Gender and Sexuality

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon; consultant, Prof Milton Diamond **Session:** Semester 2 **Classes:** Distance education- no on-campus attendance required, using the WebCT (internet based) delivery platform **Assessment:** Online quizzes (20%), case-based small group work

assignments (10%), individual activity report (30%) as well as reflective reports on professional practice (40%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide the student with an understanding of the biological basis of sexual development from fetus to adulthood and the socio-cultural factors that determine their expression. The students will be sensitised to the terminology of gender discourse and investigate the range of gender and sexual differences and practices in the community. Students will explore the range of sex and gender issues in the context of current research and evidence base, and reflect on the implications to their professional practice. At the end of this unit, the student will be able to: discuss the terminology used in gender discourse; critically review the literature on the biology of sexual development from fetus to adolescence and an understanding of the factors that influence the process; evaluate the current evidence on syndromes of atypical sexual development and intersex and demonstrate an understanding the medical and ethical concerns in the management; demonstrate an understanding of the variations of sexual orientation and the factors that affect the expression in the community and discuss the current 'nature vs nurture' issues in the genesis and management of sexual orientation; assess the current literature on issues of gender identity (transgender and transsexual) and social and cultural factors in their expression in a community; demonstrate an understanding of the social and psychological factors that influence the expression of gender roles in the community; critically evaluate the current research base and evidence on sex and gender and apply this to their own personal and professional environment.

BIOS5085

Principles of Sexual Health Research

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** No on-campus attendance required **Assessment:** The student will produce a research proposal with a reflective report of the process of development and the feasibility of conducting the project. Assessment will be based on the quality of the proposal and participation in the activities set in the WebCT site **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Students enrolled in the master's program should note that this unit of study could be taken as an alternative to the core unit BIOS5067 Sexual Health Placement and Supervision. This unit of study is appropriate for students interested in a research career in sexuality and sexual health. Students may also enrol in BIOS5341 instead of this unit of study

This unit will provide the student with an opportunity to critically review a specific area in sexual health and identify a specific area for research. The student will then develop a research plan and ethics application as well as assess the feasibility of accomplishing the research. The unit will be directly supervised by an academic in the program and supported by a WebCT site. Students will work individually with their supervisor. At the completion of the unit, the student will be able to: explore and critically evaluated the current state of research and evidence base in a specific area of sexual health; review the ethical issues of research in sexual health and write an ethics proposal; identify an area of research, develop a research plan and assess the feasibility of conducting the research.

BIOS5086

Sexual Health Research Project

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 2 **Classes:** Online in WebCT format. Students will be required to attend a 2 day on-campus session at the end of Semester 2 **Prerequisites:** BIOS5085 Principles of Sexual Health Research **Assessment:** The student will produce a major report in the format of a journal article at the end of this unit of study. They will also present the results of their research at a research symposium. Assessment will be based on the quality of the report and presentation (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: This unit is appropriate for students interested in a research career in sexuality and sexual health

The aim of this unit is to provide the opportunity to implement the research project planned in BIOS5085 Principles of Sexual Health Research and present the outcome at a student conference as well as in the form of a major report in the format of a journal article. This

unit will be directly supervised by an academic in the program and supported by a WebCT site. Students will be encouraged to participate in online discussions with students enrolled in research Master's and PhD degrees in the graduate program in sexual health. At the completion of the unit, the student will be able to: conduct a research project in a selected area of sexual health; analyse and discuss the results and write up the project as a journal article; present research results at a research symposium.

BIOS5087

Sexual Counselling Practicum

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 2 **Classes:** Two week intensive block mode comprising Intensive face-to-face training, comprising lectures/demonstrations, small group discussion, role-plays, feedbacks and site visits. There will also be an online component **Assessment:** Assessment will include an evidence based research report and presentation (30%), role play interview (40%), a group presentation (30%). Students will be graded as satisfactory and unsatisfactory **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students may enrol in the unit BIOS5086 Sexual Health Research Project (offered in Semester 2) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health.

This unit will provide practical instruction in the application of specific counselling approaches in sexual health. Students will explore the issues of providing counselling in a variety of situations, including: clients of different ages and gender; clients from cultures different to their own; a variety of sexual concerns and problems. The students will also be sensitised to specific issues in sexual health counselling communications, and learn to deal with these effectively in their practice. This would include dealing with: situations where the client misunderstands the question and/or motives of the counsellor; situations where the client's personal characteristics, background and motivation for counselling influence the communication process; situations where the counsellor's personal characteristics, background and previous professional experience may influence the effectiveness of the counselling process; inappropriate client sexual behaviour. At the end of this unit, the student will be able to demonstrate the ability to: take a sexual history; conceptualise a client's presenting issues; design basic counselling interventions applied to sexual health; identify counselling outcomes; provide general counselling to individuals presenting with sexual health difficulties; deal with clients from a variety of backgrounds, socio-cultural backgrounds with a variety of sexual health concerns.

BIOS5088

Sexuality in Illness and Disability

Credit points: 6 **Teacher/Coordinator:** Dr Russell Shuttleworth **Session:** Semester 1 **Classes:** Distance education mode, using the WebCT (internet based) delivery platform. No on-campus attendance required **Assessment:** Essay based assessments, 4 by 600 word essays (3x 15%, 1x 10%), 700 word essay (15%), 1000 word essay (20%), Group work contributions (10%) **Campus:** Cumberland **Mode of delivery:** On-line

Sexual health is comprised of biological, psychological, social and cultural aspects. This unit will provide students with a holistic understanding of the sexual health issues of disabled and chronically ill people. The prevailing Western cultural perceptions of the sexuality of disabled people and their move to be included in the sexual rights movement will be outlined. An overview of the various models of disability will be presented and their usefulness in understanding different kinds of sexual health issues for this population will be discussed. Students will be provided with an understanding of the sexual health concerns for people with a diverse range of impairments derived from the research literature. The impact of culture, gender and sexual orientation on disabled people's sexual opportunities will be discussed. Current theoretical perspectives, treatment interventions and policy contexts as these relate to sexuality and disability will also be presented. At the end of this unit of study the student will be able to: 1) discuss how differences in sexual and other bodily functions affect the sexual expression of people with a range of impairments and chronic illnesses; 2) describe the range of intervention and treatment options available for this population; 3) discuss the body

image, sexual self-esteem, and interpersonal concerns of disabled and chronically ill people; 4) discuss the ways in which a range of backgrounds and identity categories including gender, sexual, and ethnic/cultural interact with disabled people's sexuality; 5) demonstrate an understanding of various disciplinary and theoretical perspectives as they relate to sexuality and disability; and 6) apply these perspectives to disabled people's sexual issues and evaluate their social policy implications.

BIOS5090

Clin. Oriented Musculoskeletal Anatomy A

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Willis **Session:** Semester 1, Semester 2 **Classes:** 3hrs lect, 2hrs prac/wk **Assessment:** mid semester prac exam (20%), end semester prac exam (20%), end semester written exam (45%), essay (15%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study meets the needs of students seeking a basic knowledge of the gross structure of the musculoskeletal system of the human body. The structures studied have been carefully selected to support the knowledge required by health practitioners and there is particular emphasis on the functional applications of knowledge within the framework of clinical situations. A study of the gross anatomy of the upper limb and histological features of the musculoskeletal system or a study of the gross anatomy of the lower limb, torso and head and neck are currently available. The unit includes laboratory classes where tissues from cadavers are examined in detail: attendance at such classes are required for this unit. Instructional methodology will include: lectures, practical classes, and Web-based online support.

BIOS5091

Clinically Based Neuroscience

Credit points: 6 **Teacher/Coordinator:** Dr Jin Huang **Session:** Semester 1 **Classes:** Three 1hr lectures/week and a small online component **Assessment:** assignment (15%), mid semester exam (30%), end semester exam (55%) **Practical field work:** 2hrs/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces fundamental concepts of nervous system organisation and function. Anatomy of the brain and spinal cord is studied using models to understand cortical and subcortical pathways as well as integrating centres that control movement and posture. The physiology component will introduce students to mechanisms underlying signal generation and neural transmission, mechanisms of spinal reflexes, the function of the somatosensory and autonomic nervous system and motor pathways. Tutorials will consist of case studies aimed at identifying simple neural problems associated with sensory and motor systems and are specifically designed for students following professional preparation degrees.

Textbooks

Lundy Ekman L, Neuroscience: Fundamentals for Rehabilitation (3rd ed), Saunders (2007)
Crossman A and Neary D, Neuroanatomy: An Illustrated Colour Text (3rd ed), Churchill Livingstone (2005)

BIOS5092

Bio Sciences for Health Professionals

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1-hour lectures per week, one 1-hour practical per week and independent learning activities **Assessment:** 1 hour Mid-semester exam (45%), 2 hour End-semester exam (55%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces the fundamentals of Anatomy (structure), Physiology (function) and Pathophysiology (disease processes) of the major systems of the human body. The knowledge and skills acquired will enhance the health science student's ability to engage in case study-based problem-solving and to develop their clinical reasoning skills. The unit also examines the essential principles of infection control in health care practice and the immune system, highlighting the role of the immune system in disease production and prevention, in response to trauma and in neoplasia. Material will be presented in lectures, practical sessions and online. This unit includes laboratory classes in which human cadavers are studied.

COMP5138

Database Management Systems

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** Intermediate level of object oriented programming such as Java. **Assessment:** Assignment (40%), Final Exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides a conceptual and practical introduction to the use of common platforms that manage large relational databases. Students will understand the foundations of database management and enhance their theoretical and practical knowledge of the widespread relational database systems, as these are used for both operational (OLTP) and decision-support (OLAP) purposes. The unit covers the main aspects of SQL, the industry-standard database query language. Students will further develop the ability to create robust relational database designs by studying conceptual modelling, relational design and normalization theory. This unit also covers aspects of relational database management systems which are important for database administration. Topics covered include storage structures, indexing and its impact on query plans, transaction management and data warehousing.

Objectives: In this unit students will develop the ability to:

- Understand the foundations of database management;
- Strengthen their theoretical knowledge of database systems in general and relational data model and systems in particular;
- Create robust relational database designs;
- Understand the theory and applications of relational query processing and optimization;
- Study the critical issues in data and database administration;
- Explore the key emerging topics in database management.

COMP5424

Information Technology in Biomedicine

Credit points: 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Tut 1hr) per week **Assumed knowledge:** Basic programming skills **Assessment:** Lab Skills (10%), Assignment (20%), Quiz (20%), Final Exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Information technology (IT) has significantly contributed to the research and practice of medicine, biology and health care. The IT field is growing enormously in scope with biomedicine taking a lead role in utilizing the evolving applications to its best advantage. The goal of this unit of study is to provide students with the necessary knowledge to understand the information technology in biomedicine. The major emphasis will be on the principles associated with biomedical digital imaging systems and related biomedicine data processing, analysis, visualization, registration, modelling, compression, management and communication. Specialist areas such as Picture Archiving and Communication Systems (PACS), computer-aided diagnosis (CAD), image-guided surgery (IGS), content-based medical image retrieval (CBMIR), and ubiquitous m-Health, etc. will be addressed. A broad range of practical integrated clinical applications will be also elaborated.

CSCD5018

Core Studies

Credit points: 3 **Teacher/Coordinator:** Dr Catherine Madill **Session:** Semester 1 **Classes:** One 3-hour lecture per week **Assessment:** Exam (30%), Mid Semester Exam (30%), End Semester Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Basic introduction to human anatomy, physiology and neurophysiology underlying the body systems essential for production of speech, language and swallowing. Basic physics of sound is also covered.

Textbooks

Seikel, J.A., King, D.W., & Drumright, D.G. (2010). Anatomy and Physiology for Speech . Language and Hearing (4th Ed). Thomson

CSCD5019

Speech Pathology Practice (Introduction)

Credit points: 3 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** One 2-hour lecture per week **Assessment:** Presentation and Flyer

1,000 words (50%), Practical Language Sampling and Analysis 1,500 words plus appendix (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

An introduction to speech pathology practice. Students will gain an understanding of communication and its components through various theoretical, experiential and practical activities. This unit of study is a prerequisite for CSCD5027 Clinical Practice 1.

CSCD5020

Articulation and Phonology

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1 **Classes:** One 3-hour lecture per week, one 1-hour observation of treatment per week **Assumed knowledge:** Ability to transcribe normal adult speech in broad phonetic transcription **Assessment:** Phonological Quiz (0%) barrier task, Assignment 1 2 pages (20%), Assignment 2 10 pages (40%), Viva Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will acquire an understanding of normal aspects of articulation and phonological development, the nature of phonological and articulatory impairments in children and techniques for assessment, analysis, diagnosis and intervention. This unit of study is a prerequisite for CSCD5027 Clinical Practice 1.

CSCD5021

Language 1

Credit points: 6 **Teacher/Coordinator:** Dr Natalie Munro **Session:** Semester 1 **Classes:** One 3-hour lecture per week **Assumed knowledge:** Understanding of basic linguistics, including grammatical analysis **Assessment:** Assignment 5 pages (50%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Theoretical and applied knowledge in language development and disorders. This unit of study is a prerequisite for enrolment in CSCD5027 Clinical Practice 1.

CSCD5022

Specialist Studies 1

Credit points: 6 **Teacher/Coordinator:** Associate Professor Michelle Lincoln **Session:** Semester 1 **Classes:** One 1-hour lecture per week, one 2-hour lecture per week, one 1-hour seminar per week **Assessment:** In-class Presentation (20%), Prolonged Speech Viva (0%) barrier task, eLearning Participation (0%) barrier task, Assignment 1,500 words (30%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Assessment, diagnosis and management of specialist populations, including fluency and clients with complex communication needs. This unit of study is a prerequisite for enrolment in CSCD5027 Clinical Practice 1.

CSCD5023

Swallowing and Neurogenics 1

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Madill **Session:** Semester 2 **Classes:** Two 2-hour lectures per week **Prerequisites:** CSCD5018 Core Studies **Assessment:** Weekly Online Labs (10%), Mid Semester Exam (30%), MBS Exam (10%) barrier task, End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Central and peripheral nervous system dysfunction and description assessment and intervention for paediatric feeding and adult swallowing disorders, as well as for neurological speech and language disorders. Introduction to aphasia. This unit of study is a prerequisite for CSCD5031 Clinical Practice 2, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research.

Textbooks

Crary MA & Groher ME, Introduction to Adult Swallowing Disorders, Butterworth Heinemann, St Louis (2003)
CD ROM: The Dynamic Swallow
Duffy JR, Motor Speech Disorders: Substrates, Differential Diagnosis, and Management (2nd ed) Elsevier Mosby (2005)

CSCD5025

Specialist Studies 2

Credit points: 3 **Teacher/Coordinator:** Dr Cate Madill **Session:** Semester 2 **Classes:** 4hrs/week on-campus **Assumed knowledge:** Anatomy of the head and neck, thorax and respiratory system **Assessment:** 1 hr exam (60%), 1000 word assignment (40%), auditory-perceptual exam (pass/fail), viva exam (pass/fail) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Assessment, diagnosis and management of voice disorders. This unit of study will enable students to describe, analyse and apply; i) the anatomical, physiological, aerodynamic, biomechanical, acoustic and perceptual principles of vocal function; ii) principles and skills in the assessment and analysis of vocal function; iii) different voice techniques and facilitating vocal change to the voice disordered population; iv) evaluation and management of individuals with a variety of phonatory disorders and v) different voice techniques and facilitating vocal change in the non-disordered population; in relation to themselves, a fellow student and class cases. This unit of study is a prerequisite for CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research.

CSCD5026

Professional Development 1

Credit points: 3 **Teacher/Coordinator:** Dr Belinda Kenny **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Assessment:** Progressive assessment and written exam. Reports (40%), assignment (60%), 2 barrier tasks **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Issues relevant to speech pathology practice and service delivery. Includes study of professional ethics, relevant state and federal legislation and work place contexts. This unit of study is a prerequisite for CSCD5030 Professional Development 2 and CSCD5031 Clinical Practice 2.

CSCD5027

Clinical Practice 1

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1 **Assessment:** Clinical Competency Assessment (100%), Orientation (0%) barrier task, Required Paperwork (0%) barrier task, Case-based Viva (0%) barrier task, CPR Certificate (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Clinical placement to develop clinical competencies related to client assessment and management, communication skills, report writing, case management and professional development. This unit of study is a prerequisite for CSCD5031 Clinical Practice 2.

Textbooks

To assist their clinical learning, students are expected to refer to the: COMPASS Competency Assessment in Speech Pathology: Assessment Resource Manual, 2006; Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001; CDTRC Clinic Handbook (distributed in hard copy but also available on the Professional Placement Speech Pathology eLearning site) and Flasher, L., & Fogle, P. (2004). Counseling Skills for Speech-Language Pathologists and Audiologists. Singular Publishing

CSCD5028

Specialist Studies 3

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** 4 hrs/week on-campus **Assumed knowledge:** CSCD5021 Language 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2 **Assessment:** Assignment (40%), assignment (20%), exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult

Assessment, diagnosis and intervention of children and adults with complex speech and/or language problems, including those due to sensory, cognitive and developmental impairments.

CSCD5029

Neurogenics 2

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 1 **Classes:** Two 2-hour lectures per week **Assumed knowledge:** CSCD5023 Swallowing and Neurogenics 1 **Assessment:** Assignment 1 3,000 words (50%), Assignment 2 2,500 words (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Assessment, diagnosis and management of acquired aphasia and related cognitive communication impairments from perspectives of impairment, disability and handicap (limitation, activity and health/participation).

Textbooks

Chapey R (ed), *Language Intervention Strategies in Adult Aphasia* (5th ed), Lippincott Williams & Wilkins, Baltimore (2008)

CSCD5030

Professional Development 2

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** 2 hrs/week on-campus **Prerequisites:** CSCD5026 Professional Development 1 **Assessment:** Case study response (50%), report (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Advanced issues in speech pathology practice including ethics, management of clients and services, government political and legal influences, professional self regulation and recruitment. This unit of study prepares students for evidence based practice research and completion of Quality Improvement projects in future clinical placement.

CSCD5031

Clinical Practice 2

Credit points: 6 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement. Two 16 day placements on and off-campus depending on availability **Prerequisites:** CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2, CSCD5026 Professional Development 1, CSCD5027 Clinical Practice 1 **Assessment:** COMPASS assessment of clinical competence mid and end semester for each placement (100%). Completion of other requirements as well as attendance at debrief activities are barrier tasks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult Failure to achieve a pass grade in the first scheduled 16 day placement may result in students being withdrawn from their second 16 day placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following conduction of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January - December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students attend a speech pathology clinic to consolidate their client skills in areas required for competency as a beginning practitioner in speech pathology.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD5032

Research Led Practice

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 2 **Classes:** Distance Mode - 9 weeks of e-Learning participation weeks 0-8, or learning contract. **Prerequisites:** CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2; or equivalents **Corequisites:** CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult; or equivalents **Assessment:** Clinical question 50 words with peer critique 100 words (10%), Two critically appraised papers with peer critiques (20%), One critically appraised topic with peer critique (40%), 6-page Implementation Plan (30%), eLearning Participation (0%) barrier task **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

Note: Students enrolling in degree codes SG034 and SC144 will need to seek permission from the unit coordinator for enrolment

This unit will provide the opportunity for students to apply the skills needed for critical evaluation of literature pertinent to speech pathology practice and the principles underlying evidence-based practice. Students will focus on specific areas of specialised practice. These areas will be chosen to strengthen the student's professional portfolio demonstrating competencies in all required areas.

Textbooks

Dollaghan CA, *The Handbook of Evidence-Based Practice in Communication Disorders*, Brookes, Baltimore (2007)

CSCD5033

Applied Clinical Research

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** Online or learning contract **Prerequisites:** CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2 **Corequisites:** CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult; or equivalent **Assessment:** Project contract (10%), progress report (10%), presentation (20%), final report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

Note: Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.

Students complete a work based quality improvement project, and document plans, progress and outcomes.

CSCD5035

Professional Development 2H

Credit points: 3 **Teacher/Coordinator:** Dr Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** One 2-hour lecture per week **Prerequisites:** CSCD5026 Professional Development 1 **Assessment:** Report 2,500 words (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Advanced issues in speech pathology practice including ethics, management of clients and services, government political and legal influences, professional self regulation and recruitment.

CSCD5036

Research in Clinical Practice 1

Credit points: 3 **Teacher/Coordinator:** Associate Professor Kirrie Ballard **Session:** Semester 1, Semester 2 **Classes:** One 1-hour seminar per week, one 1-hour eLearning pract per week **Assessment:** Research Presentation (0%) pass/fail, Progress Report (0%) pass/fail, Ethics Proposal (0%) pass/fail (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Advanced investigation in nominated areas and development of a proposal for independent research. Students will also be required to develop a paper that demonstrates the application of academic literature to a clinical problem.

CSCD5037

Research in Clinical Practice 2

Credit points: 12 **Teacher/Coordinator:** Associate Professor Kirrie Ballard **Session:** Semester 2 **Classes:** One 1-hour meeting with Honours Supervisor per week, one 1-hour eLearning practice per week **Prerequisites:** CSCD5036 Research in Clinical Practice 1 **Assessment:** Project Presentation (0%) pass/fail, Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will carry out research under supervision. Students may be required to undertake and satisfactorily complete coursework as part of this unit. Students will submit their dissertation in journal article format.

CSCD5053

Clinical Practice 3 - Paediatric

Credit points: 6 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1, Semester 2 **Classes:** 24 days attendance at clinical placement plus required orientation **Prerequisites:** CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2 **Assessment:** COMPASS assessment of clinical competence mid and end semester (100%). Completion of professional portfolio, two clinical vivas and other paperwork as well as attendance at debrief activities are barrier tasks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: This unit of study is typically completed with concurrent enrolment with CSCD5053 Clinical Practice 3: Adult. Failure to achieve a pass grade in the first scheduled block may result in students being withdrawn from their second block placement. Student must hold a current CPR certificate as well as ensure they hold a clearance card following completion of a National Police Check before they can commence in this unit. Clinical placements are scheduled from January-December and hence may commence prior to the official start of semester and/or may extend beyond week 16.

Students attend a speech pathology clinical placement to consolidate their skills with paediatric clients in areas required for competency as an entry-level practitioner in speech pathology.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

CSCD5054

Clinical Practice 3 - Adult

Credit points: 6 **Teacher/Coordinator:** Ms Elizabeth Bourne **Session:** Semester 1, Semester 2 **Classes:** 24 days attendance at clinical placement plus required orientation **Prerequisites:** CSCD5027 Clinical Practice 1, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H, CSCD5031 Clinical Practice 2 **Assessment:** COMPASS assessment of clinical competence mid and end semester (100%). Completion of professional portfolio, two clinical vivas and other paperwork as well as attendance at debrief activities are barrier tasks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students attend a speech pathology clinical placement to consolidate their skills with adult clients in areas required for competency as an entry-level practitioner in speech pathology.

Textbooks

COMPASS® Competency Assessment in Speech Pathology: Assessment Resource Manual, 2009

Competency Based Occupational Standards (CBOS) for Speech Pathologists: Entry Level, 2001

Off campus Placement Handbook (distributed in hard copy but also available on the Speech Pathology Professional Placement eLearning site.

Academic lecture materials relevant to the caseload(s) at the placement site.

DHSC7001

Theory in the Health Professions

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Rod Rothwell **Session:** Semester 1 **Classes:** External/distance mode **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to health and sciences; uses of conceptualisation and theory in health research and practice. Students will be encouraged to discuss these issues and relate them to their own professional practice and proposed research projects.

Textbooks

Extensive study notes provided

DHSC7003

Foundations for Doctoral Studies

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Mary Jane Mahony **Session:** Semester 1 **Classes:** Off-campus/distance mode **Assessment:** Continuous **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critical thinking; analytical writing and effective communication. This will include the manipulation and presentation of quantitative and qualitative data. There will be

flexibility in selecting curriculum content to match the background and needs of each student. Practical exercises may include annotated bibliography, critical review of literature or policy documents, formation of tables and graphs, report, seminar presentation or article. This unit is web supported.

DHSC7005

Developing a Research Proposal

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** By distance education. No scheduled classes. Students who are able may attend scheduled evening classes for BACH5341 Research & Inquiry in Health Professions. Semester 2 on-campus. **Prerequisites:** DHSC7003 Foundations for Doctoral Studies **Assessment:** 3 assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit provides an overview of the research process applied to the formulation of a research proposal. Students will review and update their knowledge of a range of research designs and approaches to data analysis, and will consider the advantages of alternative strategies for addressing particular research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed. Finally, students develop a research proposal, including elements for an application for ethics approval when relevant, for answering a research question of their choosing. This unit of study is designed for higher degree research students. Postgraduate coursework students intending to progress to a research degree may also enrol with permission of the unit coordinator.

Textbooks

Minichiello V, Sullivan G, Greenwood K & Axford R, Handbook of Research Methods for Nursing and Health Sciences (2nd ed), Pearson Education Australia, Frenchs Forest (2004)

Babbie E, The Practice of Social Research (11th ed), Thomson/Wadsworth, Belmont, California (2007)

DHSC7006

Leading in the Health Professions

This unit of study is not available in 2011

Credit points: 6 **Session:** Semester 2 **Classes:** Web-based, with both synchronous and asynchronous participation required. No on-campus attendance required; possibility of some optional on-campus activities **Assessment:** Class participation (normally online), case study/s, report **Campus:** Cumberland **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Students will explore concepts of leadership through extensive reading, contributions by guest experts, workplace observation and analysis, and class discussion. Through structured critical reflection they will also consider how to develop their own personal skills and knowledge to improve their leadership capability.

EXSS5029

Exercise Metabolism and Physiology

Credit points: 6 **Teacher/Coordinator:** Mr Tom Gwinn **Session:** Semester 1 **Classes:** 2hrs lectures, 1hr practical/week **Assumed knowledge:** Good working knowledge by students of basic human biochemistry and physiology **Assessment:** Mid semester exam (40%), end semester exam, practical assignments (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The subject has a major emphasis on the responses of skeletal muscle metabolism to the acute stress imposed by exercise, and how muscle metabolism is altered by endurance training. Respiratory gas analysis of whole body metabolism is used to investigate muscle metabolism, and students will gain skills in both practical aspects of collection of gas exchange data and in the calculation and interpretation of data in terms of oxygen consumption, carbon dioxide production and fuel oxidation. In addition, the acute cardiovascular and respiratory responses to exercises are examined and cardiovascular adaptations

to training are discussed. This unit of study will be offered by full-time and part-time coursework on-campus.

EXSS5030

Human Mechanics

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Richard Smith **Session:** Semester 1 **Classes:** 2hrs lecture, 1hr practical/week **Assumed knowledge:** Fundamental functional anatomy **Assessment:** Assignment (40%), theory (30%), practical exams (30%) **Practical field work:** Practical assignment included **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to investigate how the musculoskeletal properties of the human body affect performance of exercise, sport and functional activity. Emphasis will be placed on structure and function of the major joints and their associated muscles in the production of movement and power. The examination of cadaveric specimens will enhance this aspect of learning. The unit begins with an examination of the mechanical properties of muscle, considers the implications of their arrangement on the skeleton and studies the coordination requirements for functional movement. Methods of estimation of muscle activity (electromyography will be used to explore how muscles create the internal forces in the human body necessary for balance, movement and protection of joints. This knowledge is finally integrated in a practical investigation of the mechanisms of walking. The skills of critical thinking, intellectual curiosity, problem solving, logical and independent thought, will be stimulated by reading, discussion, team work in laboratory classes and class exercises. This unit of study will be offered by full-time and part-time coursework on-campus.

Textbooks

Norkin & Leverage, Joint Structure & Function
Leiber RI, Skeletal Muscle Structure and Function

EXSS5036

Exercise for Clinical Populations

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Glen Davis **Session:** Semester 2 **Classes:** 2hrs lecture, 2hrs practical/week **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Assessment:** Assignment (40%), final exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit considers the application of exercise science to the promotion and maintenance of health for individuals with clinical conditions of complex and/or compound aetiology. The health risks associated with a sedentary lifestyle, based on exercise epidemiology and experimental exercise interventions are reviewed. Exercise testing and prescription for healthy adults is reviewed to form a basis for such interventions in the clinical populations. The pathophysiological bases of exercise limitations in various diseases and disability categories, and the clinical use of exercise assessment for these populations are studied. Using pathophysiology as a basic strategic approach to therapeutic exercise prescription and training are determined for each disorder. This approach will be applied across the broad 'classes' of disease and disability, with specific focus upon neuromuscular and skeletal conditions, metabolic diseases, cardiovascular and respiratory dysfunction, and "other" populations. Throughout the unit, there is strong emphasis on the biological basis of the application of exercise to health promotion, and rehabilitation in optimising function in the daily life of people with chronic health disorders. This unit of study will be offered by full-time and part-time coursework on-campus.

EXSS5046

Sports Biomechanics

Credit points: 6 **Teacher/Coordinator:** Dr Rene Ferdinands **Session:** Semester 2 **Classes:** 3hrs/week on-campus supported with web CT resources **Prerequisites:** EXSS5030 Human Mechanics **Assessment:** Assignment (30%), exams (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit participants will apply the principles of biomechanics to the assessment and optimisation of sporting skill and the prevention of injury. A range of sports will be selected as case studies. A review of kinetics, work, power and efficiency will be undertaken at the beginning of the unit in preparation for the applications. The building of practical

biomechanical assessment competency will form an important part of the unit.

EXSS5047

Nutrition for Health, Exercise and Sport

Credit points: 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 1 **Classes:** 3hrs/week on-campus lecture, practical, tutorial **Assumed knowledge:** Undergraduate biology and physiology (biochemistry is desirable) **Assessment:** Presentation (30%), final exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with background knowledge in nutrition as applied to public health and exercise performance. Public health issues such as obesity, diabetes mellitus, cardiovascular disease and cancer will be a focus. In addition, exercise nutrition strategies such as carbohydrate loading, use of ergogenic aids and strategies for muscle bulking, pre-event eating and making weight will be studied. Students will have an opportunity in the unit to obtain an internationally recognised accreditation in anthropometry. The unit will have a strong practical focus. This unit of study will be offered on campus supported with WebCT resources.

EXSS5048

Exercise Throughout the Lifespan

Credit points: 6 **Teacher/Coordinator:** Prof Maria Fiatarone Singh **Session:** Semester 2 **Classes:** 3hrs/week **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Assessment:** Assignment (30%), end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide the student with an understanding of the rationale and recommendations for the use of exercise and the promotion of physical activity in adolescents and older adults, including those with chronic disease and disability. The student will explore evidence for the contribution of exercise to psychological health and well-being, bone health, improvement in body composition associated with poor health outcomes and for the prevention and treatment of chronic disease and disability. Appropriate exercise modalities and implementing the exercise prescription will also be examined. This unit of study will be offered on campus supported with WebCT resources.

EXSS5049

Athlete Exercise Testing and Training

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Johnson **Session:** Semester 2 **Classes:** 3hrs/week **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Assessment:** Written assessment (40%), laboratory report (20%), end-semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with knowledge about the application of testing procedures to the identification and evaluation of athletic ability and about the provision of training programs for the preparation of athletes. The exercise testing component critically reviews principles and methods for assessing anaerobic power and capacity, endurance and muscle strength and power in athletes. The exercise prescription component covers athletes training programs for increasing anaerobic power and capacity, endurance, speed and muscle strength and power. Issues related to athletic training, such as does-response, overtraining, detraining, periodicity, warm-up and acclimatisation will also be addressed. Practical classes are designed to support the lecture material and will cover various athlete testing protocols.

EXSS5050

Human Motor Learning and Control

Credit points: 6 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer, Dr Roger Adams **Session:** Semester 1 **Classes:** 3hrs/week **Assessment:** Oral presentation (25%), mid-semester essays (25%), final exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit takes both a behavioural and a neurophysiological approach to the acquisition and execution of skilled motor actions. These approaches overlap, with the behavioural approach being primarily directed at the structures and processes underlying movement without considering their physical basis, while the neurophysiological approach

is primarily directed at the neuromuscular machinery and the functional neural connections that govern movement. The information processing and energetic capacities that underpin motor performance are examined; that is, memory, attention, reaction time, planning, speed-accuracy trade-off, force control, economy of energy, coordination, multi-task performance, automaticity, lateralisation, arousal and stress, effort and resources, talent and expert-novice skill differences. The features of learning that can be manipulated to promote motor learning are examined, such as goals, motivation, instruction, practice conditions and feedback, imagery and mental rehearsal; and their applications to teaching motor skills, coaching and rehabilitation are considered. Consideration is given to the interaction between automatic and conscious control systems in the production of motor behaviour and how this informs strategies for error correction in motor performance. The ecological and motor program approaches to motor learning are considered. Students will read relevant research and theoretical material and be expected to report and interpret their findings and contribute to class discussion. This unit of study will be offered on campus supported with WebCT resources.

EXSS5051

Clinical Biomechanics

Credit points: 6 **Teacher/Coordinator:** Dr Benedicte Vanwanseele **Session:** Semester 2 **Classes:** 2hrs lectures, 1hr practical/week **Prerequisites:** EXSS5030 Human Mechanics **Assessment:** Assignment (30%), exams (70%) **Practical field work:** 2hrs/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Not available during concurrent enrolment in EXSS5046 Sports Biomechanics. Prerequisite and concurrent enrolment rules do not apply to degree code SC149 Master of Exercise Physiology.

A review of kinetics, work, power and efficiency will be undertaken at the beginning of the unit in preparation for the applications. The course offers an introduction to some of the issues in clinical biomechanics, including: gait, work related tasks, musculoskeletal and injury biomechanics. It will further develop the understanding of biomechanics through clinical applications, including normal and pathological gait. Material properties of tissues and the influence of exercises and rehabilitation on tissue development and health will be discussed. The mechanical properties of tissues and anatomical structures will be related to injury occurrence and prevention. This unit of study will be offered on campus supported with WebCT resources.

Textbooks

Basic Biomechanics of the Musculoskeletal System

EXSS5056

Clinical Exercise Science Practicum 1

Credit points: 12 **Teacher/Coordinator:** Dr Jacqueline Raymond **Session:** Semester 1 **Classes:** Tutorials plus approximately 16hrs/week of practicum. Practicum commitment is 2 days/week. Times and days vary depending on clinical site, usually between 7am-5pm **Prerequisites:** EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2 **Corequisites:** EXSS5029 Exercise Metabolism and Physiology **Assumed knowledge:** Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) **Assessment:** Professional performance (100%) **Practical field work:** Approximately 200hrs off-campus at clinical sites **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

This unit is designed to provide students with the opportunity to learn and demonstrate the knowledge, skills and abilities of the clinical exercise physiologist. Theory will be applied to practice of graded exercise testing for healthy and diseased populations, exercise supervision and counselling for healthy and diseased populations and emergency procedures related to exercise testing and training situations. Students will have the opportunity to case manage a cohort of patients and provide feedback to patients and allied health staff orally and in written reports.

Textbooks

Recommended: ACSM's Resources for Clinical Exercise Physiology (1st ed), Lippincott Williams & Wilkins (2002)
Woolf-May K, Exercise Prescription: Physiological Foundations: A Guide for Health, Sport and Exercise Professionals, Elsevier (2006)

EXSS5057

Clinical Exercise Science Practicum 2

Credit points: 12 **Teacher/Coordinator:** Dr Jacqueline Raymond **Session:** Semester 2 **Classes:** Tutorials plus approximately 16hrs/week of practicum. Practicum commitment is 2 days/week. Times and days vary depending on clinical site, usually between 7am-5pm **Prerequisites:** EXSS5059 Professional Practice 1, EXSS5061 Professional Practice 2, EXSS5056 Clinical Exercise Practicum 1 **Assumed knowledge:** EXSS5029 Exercise Metabolism and Physiology. Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) **Assessment:** Professional performance (100%) **Practical field work:** Approximately 200hrs off-campus at clinical sites **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

The student will continue clinical placements specifically in the area of complex and chronic medical conditions. This unit is designed to provide students with the opportunity to learn and demonstrate the skills and attributes required for exercise testing and prescription for populations with cardiovascular, pulmonary, metabolic, orthopaedic, musculoskeletal, neuromuscular and/or immunological disease/disability.

Textbooks

Recommended: ACSM's Resource for Clinical Exercise Physiology (1st ed), Lippincott Williams & Wilkins (2002), Woolf-May K, Exercise Prescription: Physiological Foundations. A Guide for Health, Sport and Exercise Professionals, Elsevier (2006)

EXSS5058

Principles of Exercise Programming

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Johnson **Session:** Semester 1 **Classes:** One 2-hours lecture per week, weeks 1-13, one 1-hour practical per week, weeks 1-7 **Corequisites:** EXSS5029 Exercise, Metabolism and Physiology; EXSS5059 Professional Practice **Assessment:** Practical Skills Assessment (25%), Written Exercise Program and Oral Examination (35%), End of Semester Exam (40%) **Practical field work:** Practical classes **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must have a current CPR certificate of competency

The aim of this unit is to provide a comprehensive and critical examination of exercise testing and programming for low-risk populations. The scientific evidence for exercise dosages of aerobic exercise and resistance training required for health and fitness outcomes will be critically reviewed. Other aspects of exercise programming such as flexibility, warm up and instructional techniques will also be covered in this unit. How exercise testing and exercise prescription may be deployed in the amelioration of "lifestyle diseases" such as obesity, diabetes and prevention of cardiovascular risk will be a central focus. Factors relating to exercise adoption and adherence will be discussed along with strategies based in behavioural theory that enhance participation and reduce drop-out. Through the use of lectures and case studies, students will integrate both the physiological components and logistical aspects of exercise performance, to devise individualised exercise test batteries and deploy exercise prescriptions for healthy individuals. Students will be able to apply practical skills learnt in this unit towards their placement in Professional Practice.

EXSS5059

Professional Practice 1

Credit points: 6 **Teacher/Coordinator:** Mr Daniel Hackett **Session:** Semester 1 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Corequisites:** EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming **Assessment:** Progressive Mini Quizzes (40%), Client Interview (30%), Client Report (30%), Practicum (Pass/Fail) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students must have a current CPR certificate of competency prior to undertaking clinical work.

The aim of this unit is to introduce the student to a range of issues related to exercise physiology professional practice and service delivery. Topics covered include working in multidisciplinary teams, professional ethics and oral and written communications skills. This unit of study will also provide an introduction to supervised clinical practice. Students will work with low risk clientele, building their confidence and developing skills acquired in this and other units of study taken in this semester.

EXSS5060**Advanced Exercise Programming**

Credit points: 6 **Teacher/Coordinator:** Dr Corinne Caillaud **Session:** Semester 2 **Classes:** One 2-3-hour lecture/tutorial per week in weeks 1-7, clinical 4-hours per week in weeks 1-13. **Prerequisites:** EXSS5058 Principles of Exercise Programming **Assumed knowledge:** EXSS5029 Exercise, Metabolism and Physiology **Assessment:** One assignment (30%), one assignment (40%), one written exam (30%). Assessment of clinical competency (pass/fail). **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must have a current CPR certificate of competency

The aim of this unit is to provide comprehensive and critical examination of the physiological responses during exercise, with particular emphasis upon diagnostic exercise testing and clinical exercise prescription. A focus of this unit will be the application of exercise testing and prescription to the promotion and maintenance of health for individuals with clinical conditions of complex and/or compound aetiology. The pathophysiological bases of exercise limitations in various diseases and disability populations, and the clinical use of exercise assessment for these individuals are studied with particular reference to the cardiorespiratory and musculoskeletal systems. Through the use of lectures, case studies and sort CET placements, students will integrate advanced concepts of exercise physiology into logistical aspects of exercise performance for healthy and clinical populations, and thereby devise individualised exercise assessment and deploy exercise prescriptions for a broad range of individuals.

EXSS5061**Professional Practice 2**

Credit points: 6 **Teacher/Coordinator:** Dr Jacqueline Raymond **Session:** Semester 2 **Classes:** One 2-3-hours lecture/tutorial per week in weeks 1-7; Clinical 4-hours per week in weeks 1-13 **Prerequisites:** EXSS5059 Professional Practice **Corequisites:** EXSS5060 Advanced Exercise Programming **Assumed knowledge:** EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming **Assessment:** Assignment (30%), assignment (40%), Written Exam (30%), Assessment of Clinical Competency (pass/fail) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study will develop more advanced skills related to exercise physiology professional practice and service delivery. As part of this unit, students will learn about evidence-based practice and how the scientific evidence can be used in clinical decision making about appropriate interventions for individual clients. Students will also undertake a clinical placement, and will be able to develop skills acquired in this and other units of study, including client assessment and design and implementation of an exercise management plan.

EXSS5062**Exercise for Musculoskeletal Conditions**

Credit points: 6 **Teacher/Coordinator:** Mr Daniel Hackett **Session:** Semester 1, Semester 2 **Classes:** One 2-hours lectures, tutorial, practical per week for 13 weeks **Assessment:** Practical Exam (25%), Oral Case Study Defence (25%), End of Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to investigate how the musculoskeletal properties of the human body affect exercise and functional activity. Emphasis will be placed on structure and function of the major joints and their associated muscles in the production of movement. The unit begins with an examination of the mechanical properties of tissues, considers the implications of their arrangement on the skeleton and studies the coordination requirements for functional movement. Functional testing methods such as range of motion, balance will be used to assess physical functions. This unit of study will broaden the student's knowledge of human tolerance to physical tasks by considering tasks performed across a spectrum of settings, including occupational, and activities of daily living. An understanding of the principles of matching environmental and task related parameters to human characteristics will be developed.

EXSS5063**Exercise Dissertation**

Credit points: 24 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer **Session:** Semester 1, Semester 2 **Classes:** Meet with Supervisor as required

Assessment: Evaluation of literature review, examination of Research Dissertation (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit students conduct an investigative project related to exercise physiology and biomechanics. This project may take one of several formats including: a quality assurance project, study of acute responses to exercise in a small sample of healthy or disabled individuals, a sports/exercise epidemiological study, extensive literature review, or a minor research project related to exercise and sport science.

EXSS5064**Nutrition and Pharmacology**

Credit points: 6 **Teacher/Coordinator:** Dr Rhonda Orr **Session:** Semester 1 **Classes:** 3hrs/week **Assessment:** Oral case presentations (30%), mid-semester exam (20%), final exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit will explore the principles and practice of public health nutrition and pharmacology. A case-based learning approach will be used to gain an understanding of the pathophysiology of disease and other conditions such as asthma and mental health. Students will examine the dietary and pharmacologic management of lifestyle diseases including type II diabetes, cardiovascular disease, obesity, and associated co-morbidities. The unit will integrate information about diet, exercise and pharmacotherapeutic management of these diseases.

EXSS5065**Clinical Exercise Science Case Studies 1**

Credit points: 6 **Teacher/Coordinator:** Professor Glen Davis **Session:** Semester 1 **Classes:** 3hrs/week **Assessment:** Mini Quizzes (10%) Mid-Semester Exam (20%) Written case study and oral defense (30%) Final Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will develop a higher level of knowledge, clinical decision making and problem-solving skill by using complex cases related to clinical exercise physiology practice. The cases will include pathologies from the cardiopulmonary, neuromuscular and metabolic areas. Academic staff and experienced practitioners will use clinical scenarios to guide students through the process of selecting and administering appropriate screening and assessment tools and developing effective, individualized exercise management plans. The clinical scenarios will present more complex cases than previously covered and will require the student to integrate prior knowledge and experiences with new learning.

EXSS5066**Clinical Exercise Science Case Studies 2**

Credit points: 6 **Teacher/Coordinator:** Professor Glen Davis **Session:** Semester 2 **Classes:** 3hrs/week **Assessment:** Mini Quizzes (10%) Mid-Semester Exam (20%) Written case study and oral defense (30%) Final Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will develop a higher level of knowledge, clinical decision making and problem-solving skill by using complex cases related to clinical exercise physiology practice. The cases will include pathologies in cardiovascular, musculoskeletal, cancers and neurological clinical conditions. Academic staff and experienced practitioners will use clinical scenarios to guide students through the process of selecting and administering appropriate screening and assessment tools and developing effective, individualized exercise management plans. The clinical scenarios will present more complex cases than previously covered and will require the student to integrate prior knowledge and experiences with new learning.

EXSS5067**Seminar in Sport and Exercise Psychology**

Credit points: 6 **Teacher/Coordinator:** Dr David Anderson **Session:** Semester 2 **Classes:** 3hrs/week **Assessment:** Quizzes (10%), mid-semester exam (20%) project (25%) and presentation (15%), final exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit involves advanced study of the key psychological factors that influence sport, exercise and motor performance. Consideration is also given to how participation in physical activity influences psychological function and well being. A broad array of topics is covered, including: motivation, goal setting, behavioural modification, addiction, arousal, anxiety, imagery, attention and expert performance. Practical applications are made to teaching, coaching and rehabilitation for all ages and for all levels of skill. Special consideration is given to facilitating exercise adherence, youth sport participation and peak performance. In addition, students will study a specific topic in detail and present their findings to the class.

EXSS5068 Practicum 1

Credit points: 6 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer
Session: Semester 1 **Classes:** Off-campus attendance at practicum site for up to 37.5 hours per week and up to 5 weeks. **Prerequisites:** EXSS5061 Professional Practice 2 **Assessment:** Assessment based on performance of specific clinical skills and professional behaviour (100%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students must have a current CPR certificate of competency prior to undertaking clinical work.

This unit is designed to provide students with the opportunity to learn and demonstrate the knowledge, skills and abilities of the clinical exercise physiologist. Students will work under supervision in professional settings and will assist in managing clients with chronic disease, while demonstrating and being assessed on specific clinical practice skills and professional behaviour which are consistent with their stage of learning.

EXSS5069 Practicum 2

Credit points: 6 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer
Session: Semester 2 **Classes:** Off-campus attendance at practicum site for up to 37.5 hours per week and up to 5 weeks **Prerequisites:** EXSS5061 Professional Practice 2 and EXSS5062 Exercise for Musculoskeletal Conditions **Assessment:** Assessment based on performance of specific clinical skills and professional behaviour (100%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students must have a current CPR certificate of competency prior to undertaking clinical work.

This unit is designed to provide students with the opportunity to learn and demonstrate the knowledge, skills and abilities of the clinical exercise physiologist. Students will work under supervision in professional settings and will assist in managing clients with chronic disease, while demonstrating and being assessed on specific clinical practice skills and professional behaviour which are consistent with their stage of learning.

EXSS5070 Practicum 3

Credit points: 6 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer
Session: Semester 2 **Classes:** Off-campus attendance at practicum site for up to 37.5 hours per week and up to 5 weeks **Prerequisites:** EXSS5061 Professional Practice 2 and EXSS5062 Exercise for Musculoskeletal Conditions **Assessment:** Assessment based on performance of specific clinical skills and professional behaviour (100%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students must have a current CPR certificate of competency prior to undertaking clinical work.

This unit is designed to provide students with the opportunity to learn and demonstrate the knowledge, skills and abilities of the clinical exercise physiologist. Students will work under supervision in professional settings and will assist in managing clients with chronic disease, while demonstrating and being assessed on specific clinical practice skills and professional behaviour which are consistent with their stage of learning.

EXSS5071 Practicum 4

Credit points: 6 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer
Session: Semester 2 **Classes:** Off-campus attendance at practicum site for up to 37.5 hours per week and up to 5 weeks **Prerequisites:** EXSS5061 Professional Practice 2 and EXSS5062 Exercise for Musculoskeletal Conditions

Assessment: Assessment based on performance of specific clinical skills and professional behaviour (100%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students must have a current CPR certificate of competency prior to undertaking clinical work.

This unit is designed to provide students with the opportunity to learn and demonstrate the knowledge, skills and abilities of the clinical exercise physiologist. Students will work under supervision in professional settings and will assist in managing clients with chronic disease, while demonstrating and being assessed on specific clinical practice skills and professional behaviour which are consistent with their stage of learning.

GSDD5006 Inquiry Topic

Credit points: 6 **Teacher/Coordinator:** Dr Russell Shuttleworth **Session:** Semester 1, Semester 2 **Classes:** Online and distance education, with independent directed study **Assessment:** 6000 word report (100%) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Department permission required for enrolment.

The purpose of this unit of study is to provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in developmental disabilities. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

GSDD5007 Communication & Developmental Disability

Credit points: 6 **Session:** Semester 1 **Classes:** Web-based training: no on-campus attendance required **Assessment:** Assignment 1 1,200 words (40%), Assignment 2 4,500 - 5,000 words (50%), Contribution to online discussion (10%) **Campus:** Cumberland **Mode of delivery:** On-line

This unit introduces students to the empirical literature on communication issues for people with life long disability. Students will be introduced to the communication issues that impact on the lives of people with life long disability and those who support them, functional communication assessment and intervention strategies, and the importance of multi modal communication systems in facilitating community participation. Adults who use AAC, parents, and clinicians will participate in the design, presentation and evaluation of the unit of study and share their stories that relate to communication issues.

GSDD5018 Mental Health - Developmental Disability

Credit points: 6 **Teacher/Coordinator:** Professor Stewart Einfeld **Session:** Semester 1 **Classes:** Online and distance education **Assessment:** Contributions to tutorials and group work and an individual final report (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit examines mental health issues in people with developmental disability, including the major psychiatric conditions, behavioural phenotypes, challenging behaviour and dementia and other health conditions associated with ageing. A practical, multi-disciplinary approach to prevention, assessment and management will be discussed. Students will also critically review the factors influencing mental health care and mental health care access for people with developmental disability. Students will have the opportunity to examine a topic of individual interest in further depth.

Textbooks

Davidson PW, Prasher VP and Janicki MP, Mental Health, intellectual disabilities and the aging process, Blackwell Publishing, Oxford, (2003)

HIMT5023 Fundamentals of Medical Terminology

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 2 **Classes:** Online, 9 to 12 hours of self directed study per week **Assessment:** Assignment 1 no word limits (25%), Assignment 2 no word limits (25%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** On-line

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

HIMT5058

Health Informatics Applications

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 1 **Classes:** Block mode workshop, three 6-hours and two 3-hours **Assessment:** Presentation (25%), Assignment 1 2000 words (25%), Assignment 3 (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study utilises case study analysis, review of contemporary literature and presentations to explore different health informatics topic areas. Students are provided with the opportunity to develop and enhance their information seeking and critical appraisal skills as they investigate and report on key themes, issues and trends in health informatics. A focus of the unit will be reviewing and investigating current and future technology applications such as: telemedicine and health in the home, web-based applications, cyber-consultations and wireless technology.

HIMT5059

Health Classification Systems

Credit points: 6 **Session:** Semester 1 **Classes:** Block mode workshop 6 by 4 hours plus individual and small group independent learning and e-learning activities **Assessment:** Presentation (20%), Assignment 1 1,000 words (20%), End of Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit introduces the student to the concepts of organising health information in a logical way to interface with an electronic information system. The significance of terminologies such as the Systematised Nomenclature of Medicine - Clinical Terms (SNOMED-CT), and the Unified Medical Language System (UMLS) will be investigated. The design and role of various health classification systems such as the International Classification of Diseases (ICD), the International Classification of Primary Care (ICPC) and casemix systems (AR-DRGs, AN-SNAP, MH-CASC) will also be undertaken.

HIMT5060

Integration for Health Informatics

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 2 **Classes:** Block mode three 7-hour workshops **Assessment:** Presentation (10%), Assignment 1 (20%), Assignment 2 (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit aims to provide an understanding of the organisational, people and social issues related to the successful implementation and use of health information systems in health care organisations. In this unit there is an analysis of relevant theories and principles as an understanding of these frameworks is essential for the successful diffusion of health information systems. Information and communication technology integration is challenging as healthcare organisations are complex and diverse with a variety of professionals working within them. This unit will cover issues that are often seen as barriers to information diffusion such as: organisational culture; communication; change management and work flow.

HIMT5065

Project Management

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 2 **Classes:** Block mode: four 8-hour workshops **Assessment:** In class MCQ (15%), Assignment 1 (35%), Assignment 2 (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit covers all the nine knowledge areas of the Australian Project Management competency standards including planning and scheduling, quality, risks and status reporting. Team and people management issues, managing external dependencies and costs are

also covered. Workshop groups use exercises based around a case study to apply principles to various situations.

HIMT5067

Evidence Based Health Care

Credit points: 6 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 1 **Classes:** 7 self-directed learning modules with email/online/phone support; 1 day workshop (Saturday) **Assessment:** Written reports (40%), written exam (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study will teach students how to critically appraise clinical research pertinent to health professionals; and practice evidence-based decision-making. Self-directed modules address qualitative and quantitative study designs; experiences of therapies; effects of interventions; accuracy of diagnostic tests; prognoses; cost-effectiveness; and clinical decision analysis

Textbooks

*Herbert RD, Jamtvedt G, Mead J, Hagen KB. (2005) Practical Evidence-Based Physiotherapy. Oxford: Elsevier.

Hoffmann, T, Bennett, S., & Del Mar, C. (Eds.) (2010) Evidence-Based Practice Across the Health Professions. Sydney: Churchill Livingstone Elsevier.

*Note: new edition due 2011

HIMT5069

Health Care Systems

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 1, Semester 2 **Classes:** Distance Education 9 to 12 hours of self directed study per week **Assessment:** Assignment 1 1,500 words (20%), Assignment 2 3,000 words (40%) End of Semester Exam (40%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit provides an introduction to health care systems with an emphasis on the Australian health care system. Topics covered include Commonwealth and State responsibilities for health with a particular focus on funding issues, healthcare expenditure, the structure and organisation of health insurance, health care facilities and the health workforce. The health of the Australian population is considered and compared internationally, and the health of indigenous Australians is reviewed in depth. The unit encourages a critical appraisal of current health arrangements and policies and an appreciation of the pluralistic nature of the health system.

HIMT5079

Health Informatics Research Project

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 1 **Classes:** Block mode workshop 7 by 2 hours **Prerequisites:** BACH5341 Research & Inquiry in Health Professions **Assessment:** Assignment 1 (30%), Assignment 2 (60%), Presentation (10%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This is the capstone unit for the MHI degree. Students will undertake a research project in health informatics over the course of the semester. Preference is given to real-life health informatics projects being planned or underway in the workplace. Students will be supported to work independently and will make regular reports to key stakeholders on progress. This project will be completed either individually or as part of larger teams. This unit of study will provide opportunities for formal and informal interprofessional learning. E-learning tasks, based around peer support and moderated peer learning, will assist in the extension and deepening of the application of health informatics theory to practice.

HIMT5085

Information Systems in Health Care

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 1, Semester 2 **Classes:** Block mode six 4-hour workshops, telephone conference one 2-hours, elearning activities **Corequisites:** HIMT5086 Health Informatics Principles **Assessment:** eLearning Activities (10%), Presentation (20%), Assignment 1 2000 words (30%), End Semester Exam (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment in the following sessions: Semester 2.

This unit of study introduces students to the concepts of health information, its management and importance. The unit provides a

thorough coverage of concepts, methodologies and techniques available to support patient care processes through the use of information technology. The foundation concepts of data, information and knowledge are introduced as well as definitions of systems and models. National and local data collections will be reviewed. Electronic health records, electronic medical records and computerised personal health records will be investigated. Students will gain exposure to a range of systems in use in healthcare.

HIMT5086

Health Informatics Principles

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 1, Semester 2 **Classes:** Block mode: six 4-hour workshops **Corequisites:** HIMT5085 Information Systems in Health Care **Assessment:** Presentation (30%), Assignment 1 2000 words (30%), End Semester Exam (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment in the following sessions: Semester 2.

This unit introduces students to the concepts and philosophies which are foundations underlying current and future directions of health informatics practice. Concepts to be addressed will include: privacy and security, language and terminologies, standards and interoperability, decision support systems, health informatics specialties such as consumer, nursing and bioinformatics.

HIMT5087

Professional Practice-Health Informatics

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 1, Semester 2 **Classes:** On-campus preparation and debriefing, 5 days supervised fieldwork, additional e-learning tasks and electronic industry links **Assessment:** 100% assessment based on performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit of study will engage students in the process of exploring health informatics in practical settings. Appropriate opportunities to learn within interdisciplinary teams will be available and students will undertake facilitated peer discussions via electronic media. At the completion of this unit of study, students will be able to discuss the capabilities of health informatics specialists, and engage in professional discourse regarding their own learning needs.

HIMT5088

Health Informatics Evaluation

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 1 **Classes:** Block mode: three 8-hour workshops **Assessment:** Presentation (15%), Written summary of presentation topic (25%), Program Design and Evaluation 4000 words (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit provides an overview of approaches to evaluating health informatics interventions. A broad range of methods and techniques for measuring the impact that health informatics applications have on the delivery of health services, patient outcomes, health professionals' work and organisational efficiency will be covered. Students will be introduced to theoretical perspectives of evaluation as well as gain practical skills in designing evaluation and benefit realisation projects. The unit focuses on the use of multi-method models which incorporate both quantitative and qualitative techniques.

HIMT5089

Health Systems Data Analysis

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 1 **Classes:** Block mode: three 8-hour workshops, telephone conference one 2-hours, elearning activities **Prerequisites:** BACH5068 Statistics for Clinical Research **Assessment:** eLearning Activities (15%), Assignment 1 (15%), Assignment 2 (30%), Assignment 3 (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study covers the major health systems databases and how they can be analysed to provide information for strategic planning, ongoing program management, monitoring, evaluation and research purposes. These include different analytical approaches and reporting

formats for the different purposes. Students will learn basic tools and methods of data analysis.

HIMT5090

Dissertation

Credit points: 12 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 1, Semester 2 **Classes:** Self directed research **Prerequisites:** HIMT5079 Health Informatics Research Project, BACH5341 Research & Enquiry in Health Professions **Assessment:** Presentation (20%), Assignment 1 2,500 words (20%), Assignment 2 3,000 words (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

During this research elective, students will complete the investigation begun during HIMT5079. The student will prepare a written report suitable for submission to a refereed journal for publication. Full details of the requirements for this report can be found in the (Health Informatics) (Dissertation) Guidelines, Policy and Procedures.

HIMT5092

International Disease Classification A

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 1 **Classes:** Block mode: six 4-hour workshops **Assessment:** In Class Exam (40%), End Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit is designed to enable the student to classify diseases using ICD-10-AM and procedures using ACHI. It includes the historical development of clinical classification systems and students will make comparisons between ICD-9-CM and ICD-10-AM. The focus of the unit is to develop the student's practical coding skills.

HIMT5093

International Disease Classification B

Credit points: 6 **Teacher/Coordinator:** Professor Robert Steele **Session:** Semester 2 **Classes:** Block mode: six 4-hour workshops **Prerequisites:** HIMT5092 International Disease Classification A **Assessment:** In Class Exam (40%), End Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit builds on both theoretical and practical issues studied in HIMT5050 and allows the student the opportunity to code using hospital medical records. The student will also become familiar with computer-assisted coding and indexing systems. Casemix measurement systems will be reviewed in detail.

HSBH3001

Health and Indigenous Populations

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 2 **Classes:** One 1-hour lecture per week, one 1-hour tutorial per week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Essay 1,000 words (25%), Group Presentation (35%), Case Study 1,500 words (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide students with an insight and respect for Indigenous perspectives on health and health care. This unit also explores established theories about health and illness from western and non-western perspectives.

The complexity of Aboriginal and Torres Strait Islander health in rural, remote and urban contexts in Australia will be explored. Health of other Indigenous populations outside Australia and their complexities provide a global focus across several cultures.

HSBH3002

Health Information Science

Credit points: 6 **Teacher/Coordinator:** Prof Robert Steele **Session:** Semester 1 **Classes:** 2hr lecture/week, 1hr tutorial, practical/week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (10%), Online quiz's (10%), Group assignment (30%), Final exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will explore basic concepts in the e-Health field including data, information and knowledge in relation to the collection, use and storage of health information. The role of e-Health and health information systems from the perspective of how they can support health care practitioners will be covered. In addition, e-Health will be considered from the perspective of health consumers. Topics can include amongst others: web-based health information systems; legacy data in the Australian healthcare system; electronic health records and personal health records; structuring and searching health data and databases; point of care clinical systems. Consideration of informatics principles will be included.

HSBH3003 Health Service Strategy and Policy

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 2 **Classes:** Two 1hr lectures, 1hr tutorial/week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (10%), 1200 word assignment (40%), Final exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study offers students an insight into the larger picture of how a nation sets priorities for health services. The importance of evidence-based health policy development in planning health services will be highlighted. Strategies for increasing the cost-effectiveness of health services will be covered. Issues of communication and advocacy in health are portrayed. Students will gain skills in health service needs assessment, measuring cost-effectiveness, macroeconomic evaluation of health services and systems and health equity assessment.

HSBH3004 Health, Ethics and the Law

Credit points: 6 **Teacher/Coordinator:** Dr Rose Leontini **Session:** Semester 1 **Classes:** Two 1hr lectures, 1hr tutorial/week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (10%), Mid-semester exam (20%), Group project (50%) Final exam (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study outlines the legislative role of governments and the role of legislation in health and health services. Fundamental ethical principles applied to ethical issues in health and health research are covered. Medico-legal aspects of health and health services as well as standards and medico-legal privacy principles will be explored. Students will develop an understanding of professionally acceptable behaviours appropriate to practice in the health professions.

HSBH3005 Evidence Based Health Care

Credit points: 6 **Teacher/Coordinator:** Dr Alex Broom **Session:** Semester 2 **Classes:** 2hr lecture, 1hr tutorial/week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** 1500 word Essay (40%), Critical appraisal 2500 words (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will explore theoretical frameworks and practical applications of evidence based health care (EBHC) within the health professions. EBHC is an approach to health care practice in which the practitioner is aware of the evidence (based on research) that bears on practice, the strength of that evidence in the context of decision making regarding an individual client. This unit will also introduce students to the social, philosophical and historical underpinnings of EBHC, emphasising the importance of developing a critical understanding of the production, application and translation of 'evidence' in a range of healthcare contexts.

HSBH3006 Research Methods in Health

Credit points: 6 **Teacher/Coordinator:** Dr Tatjana Seizova-Cajic **Session:** Semester 1 **Classes:** One 2-hour lecture per week, one 1-hour tutorial per week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions,

HSBH1009 Health Care Resources and Systems **Prohibitions:** Intermediate Statistics (BACH4043, BACH4055, BACH5253) **Assessment:** Group Discussion (P/F), Quiz (5%), In-class Assignment (10%), Report 1,000 words (20%), Report 2,000 words (30%), End Semester Exam (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to provide a foundation for critical appraisal of techniques used in health research. The major quantitative and qualitative techniques appropriate for analysing research data in an evidence-based practice environment will be studied.

HSBH3009 International Health Project

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** One 2-hour lecture per week **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Mid-semester Exam (50%), Report 3,000 words (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines health, illness and health care issues from international perspectives. The unit focuses on global burden of disease, global governance, structural adjustment program and ITRIP and their implications at national and international levels. It integrates organisational dimensions, changing patterns of global economy, restructuring of health care and socio-cultural approaches to international health. The unit uses both theoretical and practical approaches. The project will be selected from the WHO priority areas of health and global burden of disease. The project will focus on the following: global health problems and local solutions; burden of diseases, health care system and policy implementation from a global perspective; and the role of international organisations in health promotion.

Textbooks
Book of readings

HSBH3010 Health and Lifelong Disability

Credit points: 6 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** 2 hrs Lecture/wk, 1hr Tutorial/wk **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Multimedia presentation (20%), Essay 2000 words (40%), Case based final exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will explore the roles and responsibilities of health professionals who work with children, adolescents and adults with lifelong physical and intellectual disabilities and their families. Using an interprofessional case-based curriculum, students will examine the nature of lifelong disability; factors which affect the participation of persons with lifelong disability in everyday life activities including education, leisure, and employment; and strategies for increasing their participation in these activities. Students will be supported to critique research literature, to examine the roles and responsibilities of allied health professionals in the context of working with persons with lifelong disability, and to develop practical strategies for interacting and working collaboratively and successfully with children, adolescents, and adults with lifelong disabilities, their families and fellow professionals. It is expected that through a combination of face-to-face teaching and online case-based learning activities, this unit will assist students in preparing to work with individuals with lifelong disabilities in a range of workplace settings.

HSBH3011 Rural Health

Credit points: 6 **Teacher/Coordinator:** Ms Sheila Keane **Session:** Semester 1 **Classes:** Distance education mode, web-based learning: Week 1 lecture (2hrs) and mid-term workshop (4hrs) on-campus with mandatory attendance; 1hr tutorial/week by teleconference **Prerequisites:** HSBH1006 Foundations of Health Science, HSBH1007 Health Science and Research, HSBH1008 Health Determinants and Interventions, HSBH1009 Health Care Resources and Systems **Assessment:** Participation (20%), assignment (15%), Mid-term exam (30%), Case study (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit introduces students to issues in rural health care. Topics covered include the nature and varieties of rural lifestyles, impact of lifestyle on health status, population health perspectives, prevalence and distribution of common health conditions in rural Australia, rural health promotion, injury prevention and education, settlement and health care for refugees, Indigenous health services, community based health service delivery in rural settings, rural health workforce, eHealth, eLearning and eResearch for rural health practice, and innovation in health service delivery for example cross sector service coordination and interprofessional practice.

Textbooks

Liaw S & Kilpatrick S, A Textbook of Australian Rural Health, Australian Rural Health Education Network, Canberra (2008)
Available in hard copy from instructor at no charge. Also available online at http://www.arhen.org.au/docs/a_text_book_of_australian_rural_health_arhen_april_2008.pdf

HSBH5001

FHS Abroad

Credit points: 6 **Teacher/Coordinator:** Dr Alex Broom **Session:** Semester 1, Semester 2 **Classes:** 1x2hr lecture pre and post overseas experience **Prerequisites:** Successful completion of an undergraduate health sciences degree or equivalent. **Assessment:** 1 x 2000 word reflective diary (40%) and 1 x 3000 word report (60%) **Practical field work:** 4-6 weeks working with a non-government organisation in a developing country **Campus:** Cumberland **Mode of delivery:** Field Experience

Note: Department permission required for enrolment.

Cultural practices, disease patterns and healthcare systems are vastly different in different countries around the globe. This unit provides students with the opportunity to work with non-government organisations in a developing country for up to six weeks. Countries where students can be placed include Vietnam, Cambodia, India and Nepal. As part of the unit students will be expected to participate in local development programs, live within the community that they are visiting, and document key health and development issues facing local populations. The unit will require that students illustrate project management skills; develop an awareness of cultural issues facing individuals and organisation in your host country; and, illustrate your capacity to document and report on local health issues.

HSGS5001

Research Dissertation

Credit points: 12 **Teacher/Coordinator:** Please contact your program coordinator. **Session:** Semester 1, Semester 2 **Classes:** Supervised project: external/distance mode. **Assessment:** 12,000 word written report. **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

MCAN5101

Confocal and Fluorescence Microscopy

Credit points: 6 **Teacher/Coordinator:** Assoc. Prof. Filip Braet **Session:** Semester 1, Semester 2 **Classes:** 8 one hour lectures, thirty hour practicals (5 sessions). **Assessment:** portfolio (60%), exercises (30%), attendance (10%) and participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Introduces the general principles of confocal microscopy and training in the use of the confocal microscope. It covers the theory behind confocal microscopy, the instrumentation and its applications. Develops knowledge and skills in specimen preparation for biological and medical applications of optical and confocal microscopes - immunochemistry, cell loading, GFP.

MCAN5111

Microscopy of Biomolecular Processes

Credit points: 6 **Teacher/Coordinator:** A/Prof Filip Braet and Dr Lilian Soon **Session:** Semester 2 **Classes:** 10 1hr lectures, 11 hours of tutorials and 12 hours of demonstrations **Assumed knowledge:** MCAN5101 or MCAN5102 or equivalent **Assessment:** Written research paper (40%) and multiple choice

question exam (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit covers the principles and practice of advanced microscopy techniques for probing cellular and biomolecular processes. It introduces cloning techniques, GFP-protein transfection into cells, uptake and metabolism of drugs/carcinogens/exogenous material, and localisation of enzymes/proteins associated with cells. Topics may include: FRET, FLIM, TIRFM, super-resolution, immunogoldlabelling and associated cryo-procedures for EM, micro and nano-analytical procedures for biological applications.

MRSC5001

Professional Practice Radiography 1

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 1 **Classes:** 4 hrs/week of lectures and tutorials, 2 hrs/week practical work **Assessment:** Quiz (17% and 8%), Written assignment 2000 words (25%), Final Exam (50%) **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student the professional practice of diagnostic radiography. The techniques covered will include routine procedures that the student will encounter in the clinical setting. Anatomy, physiology and pathology will be integrated with corresponding techniques of selected body systems. Planar anatomy and imaging will be included as appropriate. This unit will apply theory to practice and integrate basic applied sciences to imaging techniques. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Bontrager KL & Lampignano J, Textbook of Radiographic Positioning and Related Anatomy (6th ed), Mosby Elsevier, St Louis (2005)
McQuillen Martensen K, Radiographic Image Analysis (2nd ed), Elsevier Saunders, St Louis (2005)
Eisenberg RL and Johnson NM, Comprehensive Radiographic Pathology (3rd ed), Mosby, St Louis (2003)

MRSC5003

Foundations of Health Care Practice

Credit points: 6 **Teacher/Coordinator:** Ms Noeline Monaghan **Session:** Semester 2 **Classes:** 2hrs/week of lectures, online tutorials **Assessment:** Summative tests (50%), Final Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces students to the ethical, legal and psycho-social issues surrounding the safe delivery of medical radiation sciences in the Australian healthcare system. Modules within the unit are applied to medical radiation sciences and will cover the following: healthcare ethics, legal aspects of practice, risk management and quality assurance, radiation considerations, the Australian healthcare system, social factors and models of health, as well as specific health psychology topics.

Textbooks

Forrester K and Griffiths D, Essentials of Law for Health Professionals (3rd ed), Elsevier Australia (2010)

MRSC5005

Professional Practice Radiography 2

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 2 **Classes:** 4-6hrs/week of lectures and tutorials, 35hrs/week practical work **Prerequisites:** MRSC5001 Professional Practice Radiography 1 **Assessment:** MCQ exam (15%), Report (25%), MCQ exam (10%), Final exam SAQ & LAQ (50%) **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will develop the student's knowledge in the professional practice of diagnostic radiography. The techniques covered will build upon routine procedures that the student will encounter in the workplace. Anatomy, physiology and pathology will be integrated with corresponding techniques of selected body systems. Planar anatomy and imaging will be included as appropriate. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Bontrager KL & Lampignano J, Textbook of Radiographic Positioning and Related Anatomy (6th ed), Mosby Elsevier, St Louis (2005)
 McQuillen Martensen K, Radiographic Image Analysis (2nd ed), Elsevier Saunders, St Louis (2005)
 Eisenberg RL and Johnson NM, Comprehensive Radiographic Pathology (3rd ed), Mosby, St Louis (2003)

MRSC5009

Professional Practice Nuclear Medicine 1

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 1 **Classes:** 3hrs/week Lectures, 2hrs/wk tutorial **Assessment:** Quiz (25%), Discipline Essay (25%), Final exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student to professional practice in nuclear medicine. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. This unit will apply theory to practice and integrate basic applied sciences to imaging techniques. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Christian PC and Waterstram-Rich KM, Nuclear Medicine and PET/CT Technology and Techniques (6th ed), Mosby (2007)

MRSC5010

Professional Practice Nuclear Medicine 2

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 2 **Classes:** clinical experience 4-6hrs/week **Prerequisites:** MRSC5009 Professional Practice Nuclear Medicine 1 **Assessment:** MCQ exam (15%), Report (25%), MCQ exam (10%), Final exam SAQ & LAQ (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will develop the student's knowledge in the professional practice of nuclear medicine. The techniques covered will build upon routine procedures that the student will encounter in the workplace. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Christian PC and Waterstram-Rich KM, Nuclear Medicine and PET/CT Technology and Techniques (6th ed), Mosby (2007)

MRSC5011

Professional Practice Rad Therapy 1

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 1 **Classes:** 4-6hrs/week **Assessment:** Quiz (17% and 8%), Written assignment 2000 words (25%), Final Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student to professional practice in radiation therapy. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. This unit will apply theory to practice and integrate basic applied sciences to treatment techniques. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Washington CM and Leaver DT (eds), Principles and Practice of Radiation Therapy (3rd ed), Mosby, St Louis (2010)
 Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Textbook (2nd ed), Mosby, St Louis (2007)
 Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Workbook (2nd ed), Mosby, St Louis (2007)

MRSC5012

Professional Practice Rad Therapy 2

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 2 **Classes:** Clinical experience: 4-6hrs/week **Prerequisites:** MRSC5011 Professional Practice Rad Therapy 1 **Assessment:** MCQ exam (15%), Report

(25%), MCQ exam (10%), Final exam SAQ & LAQ (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study will develop the students' knowledge in the professional practice of radiation therapy. The techniques covered will build upon routine procedures that the student will encounter in the workplace. Anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Washington CM and Leaver DT (eds), Principles and Practice of Radiation Therapy (3rd ed), Mosby, St Louis (2010)
 Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Textbook (2nd ed), Mosby, St Louis (2007)
 Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Workbook (2nd ed), Mosby, St Louis (2007)

MRSC5013

Professional Practice Radiography 3

Credit points: 6 **Teacher/Coordinator:** Ms Danielle Milinkovic, Ms Nikki Field **Session:** Semester 1 **Classes:** 4-6hrs/week of lectures and tutorials **Prerequisites:** MRSC5005 Professional Practice Radiography 2 **Assessment:** Discipline report (30%), Summative Quiz (30%), Final Exam (40%) **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will continue to develop the student's knowledge in the professional practice of diagnostic radiography. The techniques covered will introduce more specialised procedures that the student will encounter in the workplace. Anatomy, physiology and pathology will be integrated with corresponding techniques of selected body systems. Planar anatomy and imaging will be included as appropriate. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Bontrager KL & Lampignano J, Textbook of Radiographic Positioning and Related Anatomy (6th ed), Mosby Elsevier, St Louis (2005)
 McQuillen Martensen K, Radiographic Image Analysis (2nd ed), Elsevier Saunders, St Louis (2005)
 Eisenberg RL and Johnson NM, Comprehensive Radiographic Pathology (3rd ed), Mosby, St Louis (2003)

MRSC5014

Professional Practice Radiography 4

Credit points: 6 **Teacher/Coordinator:** Mrs Nikki Field **Session:** Semester 2 **Classes:** 3 hrs/week of lectures and 2hrs per week tutorials/practical, directed independent work **Prerequisites:** MRSC5013 Professional Practice Radiography 3 **Assessment:** Group presentation (20%), MCQ & SAQ exam (35%), Final exam MCQ, SAQ & LAQ (45%) **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This is the final unit of study which will complete the student's learning in professional practice of diagnostic radiography. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will critically explore variations in techniques found in the clinical setting using a problem solving approach. Students will critically evaluate current practice from an evidence based perspective. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Bontrager KL & Lampignano J, Textbook of Radiographic Positioning and Related Anatomy (6th ed), Mosby Elsevier, St Louis (2005)
 McQuillen Martensen K, Radiographic Image Analysis (2nd ed), Elsevier Saunders, St Louis (2005)
 Eisenberg RL and Johnson NM, Comprehensive Radiographic Pathology (3rd ed), Mosby, St Louis (2003)

MRSC5021**Honours Dissertation B**

Credit points: 6 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 1 **Classes:** On-campus, seminars, directed independent work **Prerequisites:** MRSC5008 Honours Dissertation A **Assessment:** Continuous Assessment, presentation and Thesis examination (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study builds upon MRSC5008 Honours Dissertation A and is the second of two units specific to the honours pathway. Students will be expected to apply research skills to implement an individual research project. The dissertation may take the format of those approved by the faculty for a masters coursework honours dissertation.

MRSC5022**Professional Practice Nuclear Medicine 3**

Credit points: 6 **Teacher/Coordinator:** Ms Danielle Milinkovic **Session:** Semester 1 **Classes:** 4-6hrs lectures/week, directed independent work, practical **Prerequisites:** MRSC5010 Professional Practice Nuclear Medicine 2 **Assessment:** Discipline report (30%), Summative Quiz (30%), Final Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will continue to develop the student's knowledge in the professional practice of nuclear medicine. The techniques covered will introduce more specialised procedures that the student will encounter in the workplace. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Christian PC and Waterstram-Rich KM, Nuclear Medicine and PET/CT Technology and Techniques (6th ed), Mosby (2007)

MRSC5023**Professional Practice Nuclear Medicine 4**

Credit points: 6 **Teacher/Coordinator:** Dr Peter Kench **Session:** Semester 2 **Classes:** 3hrs on-campus lectures/week, directed independent work, 2hrs/wk practical **Prerequisites:** MRSC5022 Professional Practice Nuclear Medicine 3 **Assessment:** Group presentation (20%), MCQ & SAQ exam (35%), Final exam MCQ, SAQ & LAQ (45%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This is the final unit of study which will complete the student's learning in professional practice of nuclear medicine. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will critically explore variations in techniques found in the clinical setting using a problem solving approach. Students will critically evaluate current practice from an evidence based perspective. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Christian PC and Waterstram-Rich KM, Nuclear Medicine and PET/CT Technology and Techniques (6th ed), Mosby (2007)

MRSC5024**Professional Practice Rad Therapy 3**

Credit points: 6 **Teacher/Coordinator:** Ms Danielle Milinkovic **Session:** Semester 1 **Classes:** On-campus lectures 4 hrs per week, directed independent work, 2hrs per week practical **Prerequisites:** MRSC5012 Professional Practice Radiation Therapy 2 **Assessment:** Discipline report (30%), Summative Quiz (30%), Final Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will continue to develop the student's knowledge in the professional practice of radiation therapy. The techniques covered will introduce more specialised procedures that the student will encounter in the workplace. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated

throughout this unit. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Washington CM and Leaver DT (eds), Principles and Practice of Radiation Therapy (3rd ed), Mosby, St Louis (2010)
Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Textbook (2nd ed), Mosby, St Louis (2007)
Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Workbook (2nd ed), Mosby, St Louis (2007)

MRSC5025**Professional Practice Rad Therapy 4**

Credit points: 6 **Teacher/Coordinator:** Mrs Nikki Field **Session:** Semester 2 **Classes:** On-campus lectures 3hrs/wk, directed independent work, practical 2hrs/wk **Prerequisites:** MRSC5024 Professional Practice Radiation Therapy 3 **Assessment:** Group presentation (20%), MCQ & SAQ exam (35%), Final exam MCQ, SAQ & LAQ (45%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This is the final unit of study which will complete the student's learning in professional practice of radiation therapy. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will critically explore variations in techniques found in the clinical setting using a problem solving approach. Students will critically evaluate current practice from an evidence based perspective. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Washington CM and Leaver DT (eds), Principles and Practice of Radiation Therapy (3rd ed), Mosby, St Louis (2010)
Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Textbook (2nd ed), Mosby, St Louis (2007)
Kelley LL and Peterson CM, Sectional Anatomy for Imaging Professionals: Workbook (2nd ed), Mosby, St Louis (2007)

MRSC5026**Clinical Studies Radiography 1**

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1 **Classes:** On-campus: clinical centres **Assessment:** Exam (40%), SICA (10%), Dept. Assessment (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the first of four units in clinical education in which students are placed in the clinical environment within their respective professional fields. The unit will provide introductory clinical awareness, develop interpersonal skills and allow the application of theory to practice. The role of a diagnostic radiographer will be integrated with the professional practice subjects.

Textbooks

Students will be supplied with workbooks

MRSC5027**Clinical Studies Radiography 2**

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 2 **Classes:** on-campus: Clinical centres, 1 hours briefing, 1 hour debriefing and whole day OCSE **Prerequisites:** MRSC5026 Clinical Studies Radiography 1 **Assessment:** OSCE (40%), Clinical supervisor final assessment (50%), RHA (10%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the second of four units in clinical education in which students are placed in the clinical environment. This unit will build upon student's ability to achieve competence in performing routine radiographic procedures as integrated with the professional practice subjects.

Textbooks

Students will be supplied with workbooks

MRSC5028**Clinical Studies Radiography 3**

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1 **Classes:** On-campus: clinical sites **Prerequisites:** MRSC5027 Clinical Studies Radiography 2 **Assessment:** IPL Presentation (20%), Student feedback (5%),

Final Exam (25%), Dept. Assessment (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study is the third of four units in clinical education in which students are placed in the clinical environment. This unit will consolidate the student's competence in routine radiographic procedures and allow a broadening of knowledge and experience in more specialised procedures and modalities. The development of lifelong learning and professional skills are encouraged. This clinical placement is undertaken in an 'out of Sydney' clinical centre. Students participate in a series of on-campus classes, designed to enhance clinical practice.

Textbooks

Students will be supplied with workbooks

MRSC5029

Clinical Studies Radiography 4

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 2 **Classes:** On-campus classes, Briefing and Debriefing of 1-2hours each. Clinical Placement **Prerequisites:** MRSC5028 Clinical Studies Radiography 3 **Assessment:** Departmental final assessment (50%), Ethics case study (40%), RHA (10%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This is the final unit of study in clinical education in which students are placed in the clinical environment. This unit provides the student with additional exposure and practice of more complex procedures. At the completion of this unit of study students should be competent in the knowledge and skills required for practitioner entry into the diagnostic radiography profession.

Textbooks

Students will be supplied with workbooks

MRSC5030

Clinical Studies Nuclear Medicine 1

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 1 **Classes:** 2hr/wk Lectures/briefings : clinical Placement **Assessment:** Departmental assessment (55%), OSCE (25%), Case study (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the first of four units in clinical education in which students are placed in the clinical environment within their respective professional fields. The unit will provide introductory clinical awareness, develop interpersonal skills and allow the application of theory to practice. The role of a nuclear medicine technologist will be integrated with the professional practice subjects.

Textbooks

Students will be supplied with workbooks

MRSC5031

Clinical Studies Nuclear Medicine 2

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 2 **Classes:** on-campus: Clinical centres, 1 hours briefing, 1 hour debriefing and whole day OCSE **Prerequisites:** MRSC5030 Clinical Studies Nuclear Medicine 1 **Assessment:** Submit clinical supervisor final assessment (50%), Prac skills exam (30%), Presentation (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the second of four units in clinical education in which students are placed in the clinical environment. This unit will build upon the student's ability to achieve competence in performing routine nuclear medicine procedures as integrated with the professional practice subjects. Students will participate in a range of practitioner skills workshops in preparation for more complex procedures.

Textbooks

Students will be supplied with workbooks

MRSC5032

Clinical Studies Nuclear Medicine 3

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 1 **Classes:** 2hrs/wk Lecture On-campus: clinical sites **Prerequisites:** MRSC5031 Clinical Studies Nuclear Medicine 2 **Assessment:** Case studies (25%), Clinical Achievement manual (10%), Departmental Report (50%), Exam (15%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study is the third of four units in clinical education in which students are placed in the clinical environment. This unit will consolidate the student's competence in routine nuclear medicine procedures and allow a broadening of knowledge and experience in more specialised procedures and modalities. The development of lifelong learning and professional skills are encouraged.

Textbooks

Students will be supplied with workbooks

MRSC5033

Clinical Studies Nuclear Medicine 4

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 2 **Classes:** 2hrs briefings and debriefings On-campus: clinical sites **Prerequisites:** MRSC5032 Clinical Studies Nuclear Medicine 3 **Assessment:** Clinical supervisor assessment (50%), OSCE (30%), Clinical achievement manual (20%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This is the final unit of study in clinical education in which students are placed in the clinical environment. This unit provides the student with additional exposure and practice of more complex procedures. At the completion of this unit of study students should be competent in the knowledge and skills required for practitioner entry into the nuclear medicine profession.

Textbooks

Students will be supplied with workbooks

MRSC5034

Clinical Studies Radiation Therapy 1

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 1 **Classes:** 2hr/wk Lectures/briefings : clinical Placement **Assessment:** Departmental assessment (50%), SICA (10%), Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the first of four units in clinical education in which students are placed in the clinical environment within their respective professional fields. The unit will provide introductory clinical awareness, develop interpersonal skills and allow the application of theory to practice. The role of a radiation therapist will be integrated with the professional practice subjects.

Textbooks

Students will be supplied with workbooks

MRSC5035

Clinical Studies Radiation Therapy 2

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 2 **Classes:** on-campus: Clinical centres, 1 hours briefing, 1 hour debriefing and whole day OCSE **Prerequisites:** MRSC5034 Clinical Studies Radiation Therapy 1 **Assessment:** Clinical supervisor final assessment (50%), Case study report (25%), Clinical Achievement Manual and specialty report (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the second of four units in clinical education in which students are placed in the clinical environment. This unit will build upon the student's ability to achieve competence in performing routine radiation therapy procedures as integrated with the professional practice subjects. Students will participate in a range of practitioner skills workshops in preparation for more complex procedures.

Textbooks

Students will be supplied with workbooks

MRSC5036

Clinical Studies Radiation Therapy 3

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 1 **Classes:** 2hr/wk Lectures/briefings : clinical Placement **Prerequisites:** MRSC5035 Clinical Studies Radiation Therapy 2 **Assessment:** Departmental Report (50%), Clinical Achievement manual (10%), Oral case study (25%), Exam (15%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study is the third of four units in clinical education in which students are placed in the clinical environment. This unit will consolidate the student's competence in routine radiation therapy procedures and allow a broadening of knowledge and experience in

more specialised procedures and modalities. The development of lifelong learning and professional skills are encouraged.

Textbooks

Students will be supplied with workbooks

MRSC5037

Clinical Studies Radiation Therapy 4

Credit points: 6 **Teacher/Coordinator:** Ms Natalie Charlton **Session:** Semester 2 **Classes:** On-campus briefing and debriefing 1-2 hours each, clinical placement **Prerequisites:** MRSC5036 Clinical Studies Radiation Therapy 3 **Assessment:** Clinical supervisor final assessment (50%), clinical achievement manual and specialty report (20%), CT practical session: attendance P/F, practical skills exam (30%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This is the final unit of study in clinical education in which students are placed in the clinical environment. This unit provides the student with additional exposure and practice of more complex procedures. At the completion of this unit of study students should be competent in the knowledge and skills required for practitioner entry into the radiation therapy profession.

Textbooks

Students will be supplied with workbooks

MRSC5038

Medical Radiation Science Radiography 2

Credit points: 6 **Teacher/Coordinator:** Dr John Ryan **Session:** Semester 1 **Classes:** On-campus: 2hr/wk lectures, directed independent work, 2hrs/wk tutorials (in selected weeks) **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Presentation (50%), Final Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the second of three units which cover the physical principles of the appropriate use of ionizing radiation and quality management in diagnostic radiography. It builds on the foundations in radiation physics established in Medical Radiation Science 1 and introduces the key topics of radiation biology/radiation protection and tomographic image reconstruction. It also forms the basis for a more detailed study of the instrumentation, calibration and quantitative methods relevant to the medical radiation sciences, which are introduced in the discipline specific topics in this unit and expanded upon in Medical Radiation Science Radiography 3.

MRSC5039

Medical Radiation Science Radiography 3

Credit points: 6 **Teacher/Coordinator:** Professor Steve Meikle **Session:** Semester 2 **Classes:** 3hrs/wk lectures, directed independent work **Prerequisites:** MRSC5038 Medical Radiation Science Radiography 2 **Assessment:** Physics portfolio (25%), mid-semester exam MCQ (15%), final exam MCQ, SAQ (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the final of three units which consolidates the student's knowledge of radiation physics. The application of a range of digital imaging modalities and specialised procedures will be covered. Image manipulation and storage will be included. A diagnostic radiography module related to recent advances in practice will complete this unit.

MRSC5040

Medical Radiation Science Nuclear Med 2

Credit points: 6 **Teacher/Coordinator:** Dr John Ryan **Session:** Semester 1 **Classes:** On-campus: 2hrs/wk lectures, directed independent work, 2hrs/wk tutorials (in selected weeks) **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Presentation (50%), Final Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the second of three units which cover the physical principles of the appropriate use of ionizing radiation and quality management in nuclear medicine technology. It builds on the foundations in radiation physics established in Medical Radiation Science 1 and introduces the key topics of radiation biology/radiation protection and tomographic image reconstruction. It also forms the basis for a more detailed study of the instrumentation, calibration and quantitative methods relevant to the medical radiation sciences, which

are introduced in the discipline specific topics in this unit and expanded upon in Medical Radiation Science Nuclear Med 3.

MRSC5041

Medical Radiation Science Nuclear Med 3

Credit points: 6 **Teacher/Coordinator:** Professor Steven Meikle **Session:** Semester 2 **Classes:** 3hrs/wk lectures, directed independent work **Prerequisites:** MRSC5040 Medical Radiation Science Nuclear Med 2 **Assessment:** Mid-semester exam (15%), Essay (25%), Final exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the final of three units which consolidates the student's knowledge of radiation physics. The application of a range of digital imaging modalities and specialised procedures will be covered. Image manipulation and storage will be included. A nuclear medicine module related to recent advances in practice will complete this unit.

MRSC5042

Medical Radiation Science Rad Therapy 2

Credit points: 6 **Teacher/Coordinator:** Dr John Ryan **Session:** Semester 1 **Classes:** On-campus: 2hrs/wk lectures, directed independent work, 2hrs/wk tutorials (in selected weeks) **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Presentation (50%), Final Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the second of three units which cover the physical principles of the appropriate use of ionizing radiation and quality management in radiation therapy. It builds on the foundations in radiation physics established in Medical Radiation Science 1 and introduces the key topics of radiation biology/radiation protection and tomographic image reconstruction. It also forms the basis for a more detailed study of the instrumentation, calibration and quantitative methods relevant to the medical radiation sciences, which are introduced in the discipline specific topics in this unit and expanded upon in Medical Radiation Science Rad Therapy 3.

MRSC5043

Medical Radiation Science Rad Therapy 3

Credit points: 6 **Teacher/Coordinator:** Professor Steve Meikle **Session:** Semester 2 **Classes:** 3hrs lectures/wk, directed independent work **Prerequisites:** MRSC5042 Medical Radiation Science Rad Therapy 2 **Assessment:** Physics portfolio (25%), mid-semester exam MCQ (15%), final exam MCQ, SAQ (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the final of three units which consolidates the students' knowledge of radiation physics. The application of a range of digital imaging modalities and specialised procedures will be covered. Image manipulation and storage will be included. A radiation therapy module related to recent advances in practice will complete this unit.

MRSC5044

Advanced MRS Practice

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 2 **Classes:** 2hrs lectures, 2hrs seminars/week **Prerequisites:** MRSC5013 Professional Practice Radiography 3 or MRSC5022 Professional Practice Nuclear Medicine 3 or MRSC5024 Professional Practice Rad Therapy 3 **Assessment:** Written assignment (30%), Sonography presentation (formative), class test (30%), written assignment (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will allow students to explore critically issues of quality management, changing technology and advanced practice in the medical radiation sciences. It builds upon the professional practice units of study and consolidates the generic attributes of graduates of the university. The focus will be on quality management in MRS and the use of sonography in the diagnosis of disease and as an aid in treatment decisions. Students will also undertake a discipline specific module, with the focus following an evidence-based practice approach.

MRSC5045

Medical Radiation Science 1 Radiography

Credit points: 6 **Teacher/Coordinator:** Professor Patrick Brennan **Session:** Semester 1 **Classes:** Two 1-hour lectures per week and one 1 hour tutorial per week **Prohibitions:** MRSC5002 **Assessment:** One 1-hour exam (50%) and

one 2000 word essay (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study, which has both common and disciplinerelated material specific to Diagnostic Radiography, introduces the student to ionizing radiation and its interactions with matter. The physical principles of the appropriate use of ionizing radiations in the medical radiation sciences including its radio-biological effects will be covered. The student will be introduced to the fundamental principles of radiation protection and equipment. Cellular biology applicable to the medical radiation sciences will be covered.

MRSC5046

Medical Radiation Sci Nuclear Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Patrick Brennan **Session:** Semester 1 **Classes:** Two 1-hour lectures and one 1-hour tutorial per week **Prohibitions:** MRSC5002 **Assessment:** One 1-hour Exam (50%), one 2,000 Word Essay (50%) plus one 3-hour exam, quizzes and lab reports **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study, which has both common and disciplinerelated material specific to Nuclear Medicine, introduces the student to ionizing radiation and its interactions with matter. The physical principles of the appropriate use of ionizing radiations in the medical radiation sciences including its radio-biological effects will be covered. The student will be introduced to the fundamental principles of radiation protection and equipment. Cellular biology applicable to the medical radiation sciences will be covered.

MRSC5047

Medical Radiation Sci Radiation Therapy

Credit points: 6 **Teacher/Coordinator:** Professor Patrick Brennan **Session:** Semester 1 **Classes:** Two 1-hour lectures per week and one 1 hour tutorial per week **Prohibitions:** MRSC5002 **Assessment:** One 1 hour exam (50%) and one 3-hour exam, quizzes and lab reports (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study, which has both common and disciplinerelated material specific to Radiation Therapy, introduces the student to ionizing radiation and its interactions with matter. The physical principles of the appropriate use of ionizing radiations in the medical radiation sciences including its radio-biological effects will be covered. The student will be introduced to the fundamental principles of radiation protection and equipment. Cellular biology applicable to the medical radiation sciences will be covered.

MRTY5024

Current Issues in Medical Radiations

Credit points: 6 **Teacher/Coordinator:** Dr Peter Kench **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit of study is designed to facilitate learning through discussion of current issues of interest to practitioners working in the field of medical radiations. Journal articles which reflect topical debates will be studied. Students will be encouraged to discuss relevant articles both from their own area of practice and from other modalities within the field of medical radiations.

Textbooks

Essential reading supplied

MRTY5039

CT Applications

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Practical field work:** Access to CT scanner is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of CT in the clinical environment, in order for students to develop and extend the theoretical skills acquired in MRTY5040 CT Practice I and MRTY5041 CT Practice II. The main learning activity in this unit of study is a small directed research project.

It is preferable that students have completed CT Practice I & II prior to undertaking CT Applications as it is designed for advanced users.

Textbooks

Reference lists provided throughout course material. Some journal articles included

MRTY5040

CT Practice I

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Practical field work:** Access to CT scanner is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 2.

CT Practice I includes both helical (Single and Multi-slice) and conventional computed tomography. The unit of study looks briefly at the historical development and physics of CT. The variables controlled by the radiographer are discussed with particular emphasis on the effect these parameters have on the resultant scan. A thorough understanding of these effects is essential if the radiographer is to obtain optimal images when scanning. Recording of the images obtained is discussed, with the rationale for the settings used and the reconstructions routinely performed. These basic concepts lead to the development of possible protocols for the CT scans most commonly ordered. Areas covered will include brain, thorax and abdomen. The unit will look critically at the choice of parameters for these protocols and situations when the parameters may need to be varied in order to obtain optimal images. Protocols will include patient booking, preparation, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice I is offered in distance education mode with internet support. There will be no residential. The student is expected to have access to a CT scanner, although not necessarily at their place of work.

Textbooks

Reference lists provided throughout course material. Some journal articles included

MRTY5041

CT Practice II

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Practical field work:** Access to a CT scanner is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

CT Practice II includes specialist CT examinations such as dental CT, QCT and 3-D CT applications including angiography. This unit of study does not cover CT anatomy in depth. The basic physics of these CT applications will be covered in this unit. The unit will look critically at the choice of parameters for these examinations and situations when the parameters may need to be varied in order to complete an optimal examination. Protocols for these examinations will include patient booking, preparation, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice II is offered in distance education mode. Content for this unit of study will be provided by professionals currently involved in specialist CT areas. Access to a CT scanner performing at least one of the specialist functions is advisable.

Textbooks

Resource list provided in course material. Basic journal articles supplied

MRTY5042

Digital Communications in Med Radiations

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Roger Fulton **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study provides students with an understanding of digital image fundamentals, such as image acquisition, storage and transmission and implications on image quality and dose. Image management and the communication systems needed to facilitate patient care procedures will be examined, including PACS, DICOM, RIS, tele-radiology and record and verify systems. This unit also provides the student with the opportunity to examine computer based

methods to efficiently utilise staff time and resources within a Medical Radiation Sciences department.

MRTY5043

Directed Studies A

Credit points: 6 **Teacher/Coordinator:** Dr Peter Kench **Session:** Semester 1 **Classes:** Distance education **Assessment:** Negotiated assessment (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the PG coursework coordinator. Upon preliminary approval, a supervisor will be appointed and a firm contract will be negotiated and agreed upon by all parties prior to semester commencing to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study MRTY5044 Directed Studies B must first complete Directed Studies A.

MRTY5044

Directed Studies B

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5043 Directed Studies A **Assessment:** Negotiated assessment (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the PG coursework coordinator. Upon preliminary approval, a supervisor will be appointed and a firm contract will be negotiated and agreed upon by all parties before semester commencing to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer.

MRTY5051

MR Theory

Credit points: 6 **Teacher/Coordinator:** Dr Roger Bourne **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Practical field work:** Access to MRI would assist the student to complete the assessments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 2.

This unit addresses the principles of magnetic resonance imaging. The areas addressed will be the principles of NMR, image contrast, factors affecting image formation, plus pulse sequences used from Spin Echo through to current fast imaging and Echo Planar techniques. The applications of MRI in medical imaging will be addressed with the effects of signal-to-noise ratio, fat saturation, artefacts and flow effects being discussed. The biological effects and aspects of patient safety will be included in this subject. The delivery will be in distance

education mode and will utilise a range of media, including printed material.

MRTY5052

MR Applications 1

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Practical field work:** Access to MRI is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will study the applications and protocols of MR imaging in the central nervous system. The assessment in this unit will be by submission of clinical assignments, so students will need access of one or two days per week to a MRI unit. The delivery will be in distance education mode and will utilise a range of media, including printed material and DVD.

MRTY5053

MR Applications 2

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5051 MR Theory **Assessment:** Continuous assessment (100%), no exam **Practical field work:** Access to MRI is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit will study the applications and protocols of MR imaging of the musculoskeletal system focusing on the knee, hip, wrist and shoulder joints. The assessment in this unit will be by submission of clinical assignments, so students will need access of one or two days per week to a MRI unit. The delivery will be in distance education mode and will utilise a range of media, including printed material and DVD.

MRTY5056

Patient/Practitioner Communication

Credit points: 6 **Teacher/Coordinator:** Dr John Atyeo **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit extends the patient communication skills of the medical radiations practitioner. It aims to make the practitioner more effective at giving and receiving information when interacting with the patient. The enhancement of listening skills will be encouraged, with an emphasis on patient empowerment, support, advice and counselling. Students will be encouraged to become reflective practitioners in the area of communication, and to become active consumers and evaluators of communication in its broadest context.

Textbooks

No specific text recommended. Primary and secondary library sources to be accessed by student

MRTY5058

Quality Management in Medical Radiations

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Roger Fulton **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Practical field work:** Access to a medical radiations department is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Quality management has become an important part of the operation of the medical radiations department. A well-developed quality assurance program can provide confidence that the intended quality is being achieved and maintained. This unit of study presents the theory of quality management and relates it to the day-to-day operations of the medical radiations department. Examples will be presented from the fields of radiography, nuclear medicine and radiation therapy, and students will have the opportunity to design or critique their own quality management system. The unit will be presented in distance learning mode.

Textbooks

Essential reading is supplied

MRTY5090**Advanced Multiplanar Anatomy A**

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Detailed anatomy of the musculoskeletal system and vascular systems of the thorax is presented in this unit. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The unit will be presented in distance education format with no requirement for attendance on-campus.

MRTY5091**Advanced Multiplanar Anatomy B**

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Detailed anatomy of the brain is presented in this unit. The regions studied are the brain stem, cranial nerves and nuclei, cerebellum, diencephalon, cerebral hemisphere and cortex, basal ganglia, limbic system, ventricular system and the blood supply. The practical component involves interpretation of hard copy images and will be predominantly MR images. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The delivery will be in distance education mode and will utilise a range of media, including printed material and DVD.

MRTY5098**Radiographic Image Interpretation A**

Credit points: 6 **Teacher/Coordinator:** Mr Stephen Littlefair/Dr Peter Kench **Session:** Semester 1 **Classes:** Distance education **Assumed knowledge:** It is recommended that MRTY5030 Advanced Radiographic Pathology be completed before taking this unit **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify pathology of the upper extremity skeleton. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY5099**Radiographic Image Interpretation B**

Credit points: 6 **Teacher/Coordinator:** Mr Stephen Littlefair/Dr Peter Kench **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify pathology of the axial skeleton and abdomen. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY5100**Radiographic Image Interpretation C**

Credit points: 6 **Teacher/Coordinator:** Mr Stephen Littlefair/Dr Peter Kench **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit **Assessment:** Continuous assessment (100%), no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify the more common pathology of the respiratory system. The

unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY5108**Molecular Targets and Imaging Probes**

Credit points: 6 **Session:** Semester 1 **Classes:** block/intensive mode 10 days 9am-5pm, distance education mode: independent learning package with email and e-learning support. **Assessment:** On-line quiz and discussion (20%), class presentation (20%), 1x1.5 hr exam (60%) **Campus:** Mallett Street **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study explores the characteristics of molecular targets and imaging probes that are required for successful molecular imaging experiments. A molecular target should: (i) detect a fundamental feature of a pathophysiological process, (ii) be validated by neuropathology, (iii) allow detection of disease early in its time course and (vi) lend itself to measurement with a biomarker that is reliable and minimally invasive. Once a molecular target for a particular disease is identified the methodology and requirements of a molecular probe suitable for imaging that target will be described. For example, in brain studies these include: (i) the imaging probe enters the brain in sufficient quantities, (ii) is stable in vivo, (iii) has moderate lipophilicity, (vi) exhibits low uptake of metabolites in brain, (v) is retained in the brain, (vi) displays high specificity and (vii) displays low non-specific binding.

On completion of this unit of study, students should be able to identify molecular targets that may be useful in studying disease processes and have a clear understanding of the properties an imaging probe should possess to enable in vivo imaging of the molecular target of interest. In addition, this unit will provide the rationale for determining whether a drug is suitable for development into an imaging probe and the isotopes and radiolabelling methodologies associated with that process.

MRTY5109**Radiotracer Based Molecular Imaging**

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 10 days 9am-5pm, distance education mode: independent learning package with email and e-learning support **Assessment:** On-line quiz and discussion (20%), class presentation (20%), 1x1.5 hr exam (60%) **Campus:** Mallett Street **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study explores the principles and methods that underpin two key molecular imaging techniques based on the radioactive tracer principle: single photon emission computed tomography (SPECT) and positron emission tomography (PET). Topics covered include the radioactive tracer principle, radioisotope production and decay, radiation transport in tissue, radiation detection, PET and SPECT instrumentation, tomographic reconstruction and an introduction to tracer kinetic modelling. On completion of this unit, students will have a thorough understanding of the imaging chain as it relates to PET and SPECT, starting with the emission of radiation in the body, leading to its external detection and, finally, a reconstructed image of the radioactive tracer distribution in the body. The factors affecting the accuracy and noise properties of molecular images will be explored. Students will also have an appreciation of how to use these imaging technologies to exploit the properties of the radioactive tracer principle and make estimates of important physiological parameters.

MRTY5110**Pathological Correlates of Mol. Imaging**

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 10 days 9am-5pm, distance education mode: independent learning package with email and e-learning support **Corequisites:** MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5111 Magnetic Resonance Imaging Fundamentals **Assessment:** On-line quiz and discussion (20%), ? class presentation (20%), 1x1.5 hr exam (60%) **Campus:** Mallett Street **Mode of delivery:** Distance Education/Intensive on Campus

Although molecular imaging techniques are non invasive and are performed in vivo (on the intact living body), it is common to take a tissue biopsy or post mortem sample for further analysis and comparison with the in vivo imaging findings. This unit of study will explore the techniques used to analyse such samples microscopically and how the pathology observed at the cellular level may be correlated

with disease related changes observed in vivo through molecular imaging techniques. Topics covered include tissue preparation, staining techniques, light microscopy, autoradiography and pathological interpretation of tissue samples and in vivo images. On completion of this unit, students will have a good understanding of the key cellular processes and features measured by immunohistochemical staining techniques, autoradiography, and their in vivo counterparts in molecular imaging.

MRTY5111

Magnetic Resonance Imaging Fundamentals

Credit points: 6 **Teacher/Coordinator:** Professor Steven Meikle **Session:** Semester 1 **Classes:** Distance education mode: independent learning package with email and e-learning support **Assessment:** One assignment (25%), one assignment (25%), one 2.5-hour exam (50%) and on-line tutorial and discussion (compulsory but not assessed) **Campus:** Cumberland **Mode of delivery:** Distance Education

Students will enrol in this unit of study at the University of Queensland as a cross-institutional student. The unit will be credited to the Master of Molecular Imaging on successful completion of this unit of study at UQ.

This unit of study explores the principles and methods that underpin Magnetic Resonance Imaging (MRI), a key molecular imaging technique. Topics covered include Physical principles of nuclear magnetic resonance (MR), underlying mechanisms of relaxation in MR & descriptions of the way in which pulse sequences are able to exploit relaxation to produce contrast. On completion of this unit, students will have a thorough understanding of the MRI methodology, and the molecular basis for endogenous contrast. The use of contrast agents to modify image contrast and target particular molecular features will be introduced. The factors affecting the accuracy and potential sources of artefact in MRI images will be explored.

Textbooks

Multimedia resource CD provided by UQ

MRTY5112

Molecular Imaging Advanced

Credit points: 6 **Teacher/Coordinator:** Professor Steven Meikle **Session:** Semester 2 **Classes:** Block/Intensive mode 10 days Monday-Friday 9-5. Distance education mode: independent learning package with email and e-learning support **Prerequisites:** MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5110 Pathological Correlates of Molecular Imaging, MRTY5111 Magnetic Resonance Imaging Fundamentals **Assessment:** On-line quiz and discussion (20%), class presentation (20%) and one 1.5-hour exam (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study will build on the knowledge gained in the core units of study in semester 1. It will explore molecular imaging technology in more depth and discuss realistic scenarios as they are encountered in research. Topics for discussion include the choices researchers make about suitable biological targets, radiopharmaceuticals, subjects (animal models and patient populations), molecular imaging instruments, experimental protocols and computational algorithms. Students will learn how to extract more useful information from the molecular imaging study through the use of pharmacological models and advanced methods of analysis. On completion of this unit, students will have the requisite knowledge and skills to join a multidisciplinary research team and make contributions to the experimental design and execution of a molecular imaging study.

MRTY5113

Research Project

Credit points: 18 **Teacher/Coordinator:** Professor Steven Meikle **Session:** Semester 2 **Classes:** Block/Intensive mode 10 weeks, Monday-Friday 9-5. Distance education mode: independent learning package with email and e-learning support **Prerequisites:** MRTY5108 Molecular Targets and Imaging Probes, MRTY5109 Radiotracer Based Molecular Imaging, MRTY5110 Magnetic Resonance Imaging Fundamentals, MRTY5111 Pathological Correlates of Molecular Imaging **Assessment:** Research presentation (40%) and thesis (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Molecular Imaging is a technology driven field which is continually evolving as new technologies emerge giving rise to new applications.

In this unit, you will undertake a research project that requires you to use the knowledge and skills gained throughout the course to solve a real problem aligned with your disciplinary area and interests. You will choose from a list of topics and undertake the design and preparatory phase of the project by distance learning with support from your supervisor. The data collection phase will take place in the research facilities of the partner Universities during an on campus block of up to 10 weeks.

On completion of this unit, students will have gained research skills and acquired some practical experience of formulating a problem, designing a study using the most appropriate methodology, acquiring and analysing data and drawing conclusions. Thus, the research project together with the coursework you have completed throughout this program will provide an ideal preparation for those who choose to go on to PhD research.

NURS5002

Social Contexts of Health

Credit points: 6 **Session:** Semester 1 **Classes:** Thirteen 2 hour lectures and five 2 hour tutorials **Assessment:** 2500w essay (40%) and group presentation (10%) and exam (50%) **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Ideas and beliefs about health, illness and care are intrinsically connected to particular social and historical contexts. This unit of study explores a range of such ideas and beliefs that are relevant within Australia today. A focus on social, cultural and philosophical theories of embodiment will help students to understand how proper relations to bodily products are a part of ordering of society and relevant for critical analyses of beliefs and ideas about health, illness, wellbeing and care. A major component of this unit is Indigenous Australian people's health and history, including their understandings of health and wellbeing. The unit also explores theories about health, illness and care from western and non-western perspectives. Drawing on such theories, a major component of the unit is a critical analysis of the relationships between social factors (for example ethnicity, gender, class, employment) and patterns of health and illness across the lifespan in contemporary Australia.

NURS5006

Illness Experience and Nursing Care

Credit points: 6 **Session:** Semester 2 **Classes:** thirteen 1.5 hour lectures, thirteen 1.5 hour tutorials and clinical placements **Assessment:** 2hr exam (35%), research project (40%), communication skills assessment (25%), and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The ways in which individual people subjectively experience illness and care, particularly nursing care, is the focus of this unit of study. The unit firstly examines theories that inform understandings of what it means to be human, including theories of early childhood development. The unit also introduces students to qualitative research methodologies that are used to explore illness experiences. Many different illness experiences are then examined. Attention is drawn to such factors as emotions arising in illness, issues of self identity, embodiment, and social attitudes to illness and disability. With this knowledge about illness experiences in mind, the nurse-patient relationship is then critically examined. From within a communication-based framework, students focus on ideas about therapeutic listening and use of self as well as the concept of knowledge transfer as it is relevant to nurse-patient interactions. Students also engage with contemporary debates about the nature of nurse-patient interactions and relationships today and explore the ways in which these might vary in different health care settings, and with people from different cultural backgrounds, including Indigenous people.

NURS5081

Introduction to Nursing Practice

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 1 hour tutorial per week, two 2 hour laboratory per week, clinical placements **Assessment:** essay (30%) and exam (40%) and diary (15%) and simulation/portfolio (15%) and completion of OH&S quiz and satisfactory clinical

performance appraisal **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides an opportunity for students to develop an understanding of professional nursing; "what it is and what it is not" (Nightingale, 1859) and to observe and explore the roles and relationships among nurses, patients and other health professionals in a practice setting. This unit of study will introduce physical assessment, occupational health and safety and will equip nursing students to develop a "toolkit" of fundamental nursing practice strategies and "craft" skills. This will include a focus on working with patients across the lifespan and within different cultural groups. Students will be introduced to the cycle of clinical judgement and patterns of knowing that underpin nursing practice.

NURS5082

Developing Nursing Practice

Credit points: 6 **Session:** Semester 1 **Classes:** Thirteen 2 hours lectures, twelve 2 hour laboratory, six 2 hour tutorials and clinical placements **Corequisites:** NURS5081 **Assessment:** essay (30%) and exam (40%) and diary (15%) and clinical performance appraisal (15%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study complements Introduction to Nursing Practice and further develops the understanding of the exercise of clinical judgement in practice and the role of nursing in assisting those experiencing hospitalisation. Such assistance includes but is not limited to: maintenance of appropriate fluid status, infection control, oral medications, effective levels of oxygenation and pain relief. This knowledge will be extended to incorporate the experience of caring for patients when the body fails to function as expected, particularly where surgery is required. This unit of study will further develop skills in physical assessment, communication, and documentation.

NURS5083

Human Bioscience in Health

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week (3 lectures in weeks 1 and 11). One 3 hour practical class and 6-9 hours HOnline work every two weeks covering online practical activities, prework and homework. **Prohibitions:** BIOL1003 **Assessment:** 2xtests (2x10%) and final exam (60%) and written scientific report (10%) and workshop (10%) **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will examine various biological processes to assist students in developing their understanding of human cellular structure and function and the contribution this makes to body functions in health. The major body systems and following physiological concepts will be addressed within the context of neuro-hormonal regulation, and the body's maintenance of a general state of homeostasis: Oxygenation, metabolism, elimination, movement, pH & fluid-electrolyte balance, immunity & reproduction.

NURS5084

Nursing the Acutely Ill Person

Credit points: 6 **Session:** Semester 2 **Classes:** thirteen 2 hour lectures, thirteen 2 hour labs, six 2 hour tutorials, and clinical placements **Prerequisites:** NURS5082 or NURS5004 **Assessment:** 2500wd essay (40%) and 2hr exam (50%) and clinical appraisal (10%) and satisfactory medical administration assessment and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study complements Illness Experience and Nursing Care, focusing on the responses of individuals and others to disruption to health. Here the focus is particularly on the commonly occurring conditions which are often chronic but which may exhibit acute phases. Such conditions may include: asthma, cardiac disease, diabetes, renal failure. A life span approach will be in evidence throughout as these diseases manifest and are treated differently as they occur at different life stages. In this unit of study students will further develop comprehensive health assessment skills and their understandings of accurate medication administration.

NURS5085

Mental Health Nursing Practice

Credit points: 6 **Session:** Semester 2 **Classes:** thirteen 2 hour lectures, thirteen 2 hour tutorials, two 2.5 hour workshops and clinical placements **Corequisites:** NURS5084 **Assessment:** case study presentation (50%) and 3hr exam (50%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is based on the principle that mental health knowledge and skills are essential for all nurses. Students are introduced to constructs of mental health and wellbeing and mental illness and the role of the nurse in promoting mental health, preventing mental illness and minimising the negative effects of the latter for individuals, their family/carers and the community. Consumer and carer perspectives will inform students' understandings of mental health problems as experienced by children, young people and adults, including older persons, of varying cultural and gender backgrounds. These problems are explored in view of the latest evidence for risk/protective factors, symptomatology, nursing care, and psychotherapeutic and physical treatment approaches. Co-morbidities, including substance use and physical health conditions, will also be explored. The nurse's effective use of self and the therapeutic nurse/client interpersonal relationship as core mental health nursing skills are addressed from both a theoretical and practical perspective. Students will develop and consolidate key mental health assessment and clinical skills including foundation counselling skills. The care continuum in mental health, and the scope of nursing practice in a range of mental health and ethico-legal contexts are addressed with the overall aim of generating nursing care that supports effective outcomes for mental health consumers and their family/carers.

NURS6001

Nursing Observations and Bio Parameters

Credit points: 6 **Session:** Semester 1 **Classes:** Eleven 2 hour lectures **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** mini-poster (10%) and 3000wd essay (40%) and 3hr exam (50%) **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.

Intelligent observation and monitoring of patients' progress characterises that aspect of nursing that has often been referred to as the 'art of nursing'. Technology enhances, complements, and increases the complexity of nurses' practices in observing and monitoring and can itself become the focus of practice without the development of embodied clinical expertise. This unit of study allows the students to develop an understanding of the scientific basis of nursing observations by establishing links to the physiological concepts that support the methodology used in observation and monitoring of people across the life span in nursing practice; and it also provides a basis for understanding how more sophisticated clinical capabilities, such as pattern recognition, develop with experience and mindful attention to clinical matters. The development of these clinical capabilities is assisted through examining the wider nursing spectrum of knowledge underpinning observation and monitoring in order to facilitate patient care, the development of effective nursing practices, and the generation of nursing knowledge.

NURS6002

Maternity, Child & Adolescent Nursing I

Credit points: 6 **Session:** Semester 1 **Classes:** Eleven 2 hour lectures, eleven 2 hour tutorials and clinical placements **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** 2000wd literature review (20%) and 2500wd report (30%) and 2hr exam (50%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.

The family will provide the central organising frame through which conception, normal pregnancy, childbirth, early parenting, childhood and adolescence will be examined within this unit of study. Utilising a developmental life stage approach, issues and current nursing/midwifery research and practice related to preconception, pregnancy, childbirth, care of the newborn through to adolescence will be discussed and analysed. The great diversity of family structures and life in modern Australia will be addressed to enable students to understand the role of the nurse in assisting families during life transitions such as becoming parents. Normal childhood and adolescent developmental stages will be addressed in order to provide a frame of reference for recognising deviations and the potential for disruption to the health and wellbeing of the individual and their family. Disruptions to health that may require hospitalisation, and the subsequent impact on the individual (newborn, child and/or adolescent) and their family will be examined within the unit of study. The unit of study will take account of, and address the particular aspects related to the provision of care for Indigenous people and those from different cultures.

NURS6004

Nursing and the Politics of Health Care

Credit points: 6 **Session:** Semester 1 **Classes:** Six 2 hour lectures and four 2 hour tutorials **Assessment:** 3000wd essay (45%) and 3hr exam (45%) and tutorial presentation activity (10%) **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.

This unit of study critically analyses the Australian health-care system, with an emphasis on its structure, funding arrangements, and the ways in which it is influenced by contemporary ideologies and economic and political factors. The unit focuses on current political issues and debates (including those concerning nursing) and the ways in which these affect health policy and the delivery of care in Australia and elsewhere, as well as on issues of access and equity and resource allocation. The Australian health care system is compared with other OECD country systems to help students to think critically about the effectiveness of the Australian system in global terms.

NURS6008

Inquiry and Research in Nursing

Credit points: 6 **Session:** Semester 1 **Classes:** Nine 2 hour lectures **Assessment:** 3hr exam (35%) and group tutorial presentation (10%) and online quiz (10%) and 3000wd essay (45%) **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Teaching for this unit of study starts in February before the commencement of the semester. Students will be notified of specific dates during second semester in the year prior.

This unit of study will extend students' ability to utilise research in their nursing practice and understand research approaches that have proved successful for improving nursing practice(s) and patient care. Students will develop skills and knowledge appropriate to working in a research-informed manner, identifying areas where research could enhance practice and generate knowledge, and using this in their professional role in assessing research relevant to their professional practice. This unit of study will provide students with the tools to appreciate the process of inquiry, and the methods used to construct nursing knowledge and provide evidence for practice. The ability to differentiate between these various modes of inquiry and the appropriateness of their use in the investigation of nursing practice will be developed.

Students will have the opportunity to critique the contribution of research to informing nursing practice and healthcare. Throughout the unit students will gain knowledge and experience of literature reviews, critiquing studies, research ethics and governance, and the factors that guide the development of a research project.

NURS6018

Care and Chronic Conditions

Credit points: 6 **Session:** Semester 1 **Classes:** six two hour lectures and six two hour labs and clinical placements **Prerequisites:** NURS5084, NURS5085,

NURS5081 **Assessment:** 3000wd essay (45%) and exam (40%) and clinical performance appraisal (15%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study addresses nursing practices designed to meet the needs of individuals and families who are either living with long-term health conditions or terminal illness. A lifespan approach, childhood to old age, will provide an overview. An emphasis is placed on an holistic approach to nursing care irrespective of setting. Continuity of care provision between hospital and community is emphasised using a case management model of care. The dynamics of self management for persons living with chronic conditions will be highlighted.

Common chronic conditions in the Australian population will be identified together with their lifestyle and biomedical risk factors. Mental health issues will be addressed where appropriate, and chronic pain, its impact and management will be discussed as many chronic conditions have pain as a component. Co-morbidities, particularly within the care of elderly persons, will be explored. The importance of community engagement in addressing issues associated with chronic conditions in Indigenous communities will be studied. Palliative nursing skills will be a focus, including symptom management and psychosocial care which facilitate a peaceful death.

NURS6019

High Acuity Nursing

Credit points: 6 **Session:** Semester 1 **Classes:** six two hour lectures and six two hour labs and clinical placements **Prerequisites:** NURS5084, NURS5081 **Assessment:** 3hr exam (30%) and 2500wd essay (35%) and eLearning assessment (15%) and clinical performance appraisal (20%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study primarily addresses nursing practices and interventions designed to meet the needs of seriously or critically ill people being nursed in high acuity settings. It explores the high acuity environment and the technological monitoring devices that can be used to assist in the management of these acutely ill patients. It builds on knowledge and capabilities developed in Nursing the Acutely Ill Person.

The unit explores (through the use of case studies) acute life threatening health problems such as interruptions to circulation, neurological functioning and respiratory function. In this context, specific clinical situations will be explored, such as the emergency presentation of a woman experiencing potentially life threatening complications of pregnancy and the rapid deterioration of the adult, elderly adult, Indigenous or paediatric patient. An important component of this unit of study is the understanding of nursing assessment and management required when caring for patients with rapidly changing clinical conditions.

NURS6022

Community Health Nursing

Credit points: 6 **Session:** Semester 2 **Classes:** eight two hour lectures and eight two hour tutorials and clinical placements **Prerequisites:** NURS6018 and NURS6019 **Assessment:** 3hr exam (40%) and essay (40%) and clinical assessment task (20%) and group presentation and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines the major concepts and principles of community health nursing including self care, continuity of care, primary health care, health promotion/illness prevention, community assessment, family assessment, and home care. Increasingly complex and chronic health conditions are being managed in the community. Approaches to the provision of nursing care for people of all ages with acute, chronic, or life threatening illness in settings where they live will be critiqued. Particular attention is given to the home visit process: its therapeutic nature, communication skills and safety issues. The nurse's role in health promotion and disease prevention within a developmental life stage approach will be explored with special consideration given to children and adolescents.

Epidemiological concepts and methodologies integral to community health nursing are explored. Students undertake a community assessment using a 'community profile' approach. This approach will

be extended to explore and plan for the health needs of communities who experience health disparities including Aboriginal and Torres Strait Islander peoples, people living with physical, intellectual or psychiatric disabilities, minority cultural groups, and the homeless. Community clinical placements afford students the opportunity to consolidate and integrate theoretical knowledge and community nursing practice.

NURS6023

Professional Practice of Nursing

Credit points: 6 **Session:** Semester 2 **Classes:** Eight 2 hour lectures and eight 2 hour tutorials and two study days **Assessment:** 2000wd essay (35%) and 3000wd essay (45%) and presentation (20%) **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines key relevant parts of the four elements of the regulation of health care professionals, using nursing as the example. The four elements are: 1. Registration; including continuing competence and professional portfolios, life-long learning and currency and recency of practice 2. Education; including accreditation of programs 3. Professional standards; including codes of professional conduct and ethics, standards for registered nurses, enrolled nurses, midwives and nurse practitioners, professional boundaries, legal frameworks for practice and decision making frameworks; and 4. Professional competence; including conduct, health and performance.

The unit will explore the key elements of this framework in relation to the professional practice of nurses and will enable the student to understand their legal and ethical framework for professional practice and the regulatory environment they will enter upon registration. The unit will focus particularly on providing a helpful frame of reference for the student that will give them the confidence to practise within a professional framework and the resources to access should professional issues arise. This unit is also designed to assist students prepare for making the transition into the workforce.

NURS6024

Global Health and Nursing

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture/week and one 2 hour tutorial/week **Prerequisites:** NURS5002 **Assessment:** essay (50%) and exam (50%) and completion of learning journal **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study explores the emerging role of nurses as global citizens and the role of the profession in its global context. The ways in which individual and local nursing activities may impact on global health and sustainability will be explored through examination of some of the current debates. Analyses of demographic trends surrounding newly emerging and re-emerging major physical and mental health issues will be examined. The unit will also focus on the integration of non-western and western approaches to providing care, the related issue of knowledge translation in developing countries, and international nurse migration patterns and associated ethical issues.

Students will be encouraged to think critically about the way forward for nursing as a profession through an examination of past and current interventions such as Human Rights, Primary Health Care and Millennium Development Goals, along with a focus on the organisations tasked with the responsibility of implementation such as UN, WHO, UNESCO and UNDP together with the Nursing and Midwifery international organisations such as ICN and ICM. Concepts and initiatives that have proven effective in achieving more sustainable outcomes such as health promoting settings and global health reform will be explored as possible strategies for achieving sustainability.

NURS6025

Nursing Practice (Mental Health Option)

Credit points: 6 **Session:** Semester 2 **Classes:** eight two hour lectures and eight two hour tutorials and clinical placements **Prerequisites:** NURS6018 and NURS6019 and NURS5085 **Assessment:** 3hr exam (40%) and 3000wd project (45%) and therapeutic skills assessment (15%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit of study provides an opportunity for students to extend and develop their understandings of mental health problems and practices and explore a range of complex mental health issues in further depth. The needs of special populations are a particular focus. These include perinatal mental health, infant, child and adolescent mental health issues, mental health issues affecting the older person, and the mental health of incarcerated and displaced persons. The relationship between trauma and mental health and the impact of violence and trauma on mental health is also explored.

Therapeutic and complementary/alternative approaches to mental health are an associated focus and students will have the opportunity to extend their understandings of specific approaches in respect to individual and group implementation. The unit also assists in preparing students for an extended clinical placement in mental health in the final semester of the program.

NURS6026

Nursing Practice (Paediatric Option)

Credit points: 6 **Session:** Semester 2 **Classes:** eight two hour lectures and eight two hour tutorials and clinical placements **Prerequisites:** NURS6018 and NURS6019 **Assessment:** 3hr exam (45%) and 2000wd essay (35%) and 1000wd case study presentation (20%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit of study will examine the integration of theoretical and clinical components of nursing knowledge to enable the provision of care to children and adolescents. Building on all of the units previously undertaken, the responses of children and adolescents and their families to disruptions to health will be explored. Using those illnesses commonly found in our community, the experiences of illness and how these illnesses impact on children, adolescents, families and communities will be examined. The family, however defined, will remain as the central organising frame through which parenting, childhood and adolescence will be further examined, and a developmental life stage approach will be maintained. This unit of study will include accident prevention and actions to enhance health. Throughout this unit of study cultural and Indigenous health practices and their potential implications for the care provided in these situations will be considered.

NURS6027

Nursing Practice (High Acuity Option)

Credit points: 6 **Session:** Semester 2 **Classes:** eight two hour lectures and eight two hour tutorials and clinical placements **Prerequisites:** NURS6018 and NURS6019 **Assessment:** 3hr exam (40%) and 2000wd essay (35%) and 1000wd case study presentation (25%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit of study provides the opportunity for students to examine the theoretical and professional aspects of critical care nursing practice. The unit will build from the work of High Acuity Nursing to specifically focus on nursing practices for patients with an increased dependence on nursing support in a critical care environment. This unit will foster the development of specific knowledge, skills, and attitudes that will enable students to understand the needs of critically ill patients. The legal and ethical constraints and frameworks in which critical care nursing practice is conducted will be explored. A period of clinical education within an appropriate critical care setting is also included, for example, intensive care, high dependency or coronary care units and emergency.

NURS6028

Nursing Practice (Clinical Nursing Opt)

Credit points: 6 **Session:** Semester 2 **Classes:** eight two hour lectures and eight two hour tutorials and clinical placements **Prerequisites:** NURS5084 and NURS6018 **Assessment:** 3hr exam (35%) and 2000wd essay (35%) and presentation (15%) and journal/portfolio (15%) and satisfactory clinical performance **Campus:** Mallett Street **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit provides students with an opportunity to consolidate prior learning, and expand their knowledge base and nursing practice

expertise within areas fundamental to nursing across a variety of health care settings. Attention will be directed to areas of nursing practice such as aged care, palliative care, and the adult person experiencing surgery or medical illness. The framework of the nursing practice thinking cycle will be used to guide the teaching and learning strategies, while each phase of the cycle will be addressed in detail as related to specific contexts in a range of clinical settings. Elements of care may include patient education, pain management, models of care, discharge planning, quality use of medications, consumer advocacy, obtaining informed consent, and other interventions to restore or maintain patients' /clients' physical and psychosocial health.

OCCP5070

Selected Topic

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Independent learning: block mode or contract arrangement with supervisor **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: The focus of this unit may change from year to year. See Discipline website for unit of study listings and additional details

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

OCCP5136

Dissertation

This unit of study is not available in 2011

Credit points: 12 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Distance education/flexible delivery **Assumed knowledge:** Normally student doing OCCP5136 Dissertation has already completed 48 credit points **Assessment:** 12,000 word dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The honours dissertation is an extra 12 credit points unit of study in addition to the 48 credit points required to complete the Master of Health Science (Occupational Therapy) course. It is recommended that students who are qualified to do honours and have decided to do so should start developing their literature review within an inquiry topic/inquiry project unit of study during the semester prior to the honours semester which then leads on to the development of an honours dissertation in the honours year. It is stipulated in the Discipline's master's coursework document that the honours dissertation is an opportunity to understand an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

OCCP5143

Driving Assessment and Training A

Credit points: 6 **Teacher/Coordinator:** Professor Anita Bundy **Session:** Semester 1, Semester 2 **Classes:** Intensive block mode, on-campus (2 weeks full-time, 9am to 5pm) **Corequisites:** OCCP5144 Driving Assessment and Training B **Assumed knowledge:** This unit of study is available only to qualified occupational therapists with a minimum of two years experience. Less than two years experience requires permission of the coordinator. **Assessment:** 4 assignments (4x25%). Participants must pass or receive a passing mark for all pieces of assessment. Students can apply to be given an opportunity to resubmit any pieces of work that are not of passing standard **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: This unit of study must be taken concurrently with OCCP5144 Driving Assessment and Training B and are conducted in the same two week block. Please check website for the dates of the block mode

These units of study are designed to provide the participant with the knowledge and skills necessary to complete comprehensive driving assessments and to design appropriate rehabilitation programs for clients with a variety of disabilities. Learning experiences include formal lectures, a variety of practicums (several with clients with disabilities), problem solving tutorials and student reading on: biomechanical, sensorimotor, cognitive and psychosocial aspects of driving, defensive driving techniques, roadcraft theory and application, vehicle prescription, modification prescription, off-road and on-road assessment methodology, design of driver rehabilitation programs, medico-legal issues and licensing policy and procedures. Successful completion of this course will qualify occupational therapists to be registered with the appropriate state licensing authorities as registered driving assessors. OCCP5143 Driving Assessment and Training A and OCCP5144 Driving Assessment and Training B must both be taken concurrently and are conducted in the same two week block.

Textbooks

List of references will be supplied

OCCP5144

Driving Assessment and Training B

Credit points: 6 **Teacher/Coordinator:** Professor Anita Bundy **Session:** Semester 1, Semester 2 **Classes:** Intensive block mode, on-campus (2 weeks full-time, 9am to 5pm) **Corequisites:** OCCP5143 Driving Assessment and Training A **Assumed knowledge:** This unit of study is available only to qualified occupational therapists with a minimum of two years experience. Less than two years experience requires permission of the coordinator. **Assessment:** 7 assignments: assessment of client and report (58%) and 6 post-course reports (42%). Participants must pass or receive a passing mark for all pieces of assessment. Students can apply to be given an opportunity to resubmit any pieces of work that are not of passing standard **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: This unit of study must be taken concurrently with OCCP5143 Driving Assessment and Training A and are conducted in the same two week block. Please check website for the dates of the block mode

These units of study are designed to provide the participant with the knowledge and skills necessary to complete comprehensive driving assessments and to design appropriate rehabilitation programs for clients with a variety of disabilities. Learning experiences include formal lectures, a variety of practicums (several with clients with disabilities), problem solving tutorials and student reading on: biomechanical, sensorimotor, cognitive and psychosocial aspects of driving, defensive driving techniques, roadcraft theory and application, vehicle prescription, modification prescription, off-road and on-road assessment methodology, design of driver rehabilitation programs, medico-legal issues and licensing policy and procedures. Successful completion of this course will qualify occupational therapists to be registered with the appropriate state licensing authorities as registered driving assessors. OCCP5143 Driving Assessment and Training A and OCCP5144 Driving Assessment and Training B must both be taken concurrently and are conducted in the same two week block.

Textbooks

List of references will be supplied

OCCP5145

Research Elective Independent Study

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Independent learning **Assumed knowledge:** BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research, BACH1147 Qualitative Health and Social Research, or equivalent **Assessment:** 6000 word assignment (100%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

Textbooks

Course notes and readings provided dependent on the research methodology used

OCCP5185**Selected Topic**

This unit of study is not available in 2011

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Flexible mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the Discipline can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

OCCP5187**Falls Prevention With Older People**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1 **Classes:** Distance education, web-based module **Assessment:** Contribution to web-based discussions (40%), 4000 word assignment (60%) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Available to MOT students

This subject is designed to explore in depth the evidence base for interventions related to intrinsic and extrinsic risk factors for falls in older people. The content will be multifactorial. The unit will also provide an orientation to the conceptual framework and models that underpin falls prevention practice, with an emphasis on community contexts. The written assignment will provide an opportunity to explore and apply relevant theory to a chosen intervention and context in falls prevention.

Textbooks

Clemson L and Swann M, Stepping On: Building Confidence and Reducing Falls. A Community Based Program for Older People (2nd ed), The University of Sydney, Camperdown (2008)

Lord SR, Sherrington C & Menz HB, Falls in Older People. Risk Factors and Strategies for Prevention (2nd ed), Cambridge University Press, Cambridge (2007)

OCCP5207**Assessing Evidence for OT Practice**

Credit points: 6 **Teacher/Coordinator:** Dr. Lynette Mackenzie **Session:** Semester 1 **Classes:** 1hr lecture, 2hr tutorial/week for 13 weeks **Corequisites:** OCCP5237 Introduction to OT Theory and Practice or OCCP5211 **Assessment:** Learning activities (20%); Report (30%); In class presentation (10%); Final examination 2 hr (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Knowing how to locate, understand and use evidence in occupational therapy practice is an essential skill for all practitioners functioning in interdisciplinary teams. It is also essential in for practitioners to take their place as responsible members of local, national, international and professional communities of practice. In this unit of study, students will learn how to engage in research and inquiry through the critique of evidence relevant to occupational therapy practice. Students will have the opportunity to explore an area of interest, through the examination of the evidence they locate and critique with regard to clinically relevant questions.

OCCP5208**Biomechanical & Sensorimotor Strategies**

Credit points: 6 **Teacher/Coordinator:** Dr Judy Ranka **Session:** Semester 2 **Classes:** 1hr lecture/wk, 2hrs Practicum/wk **Prerequisites:** Musculo-skeletal anatomy knowledge **Assessment:** Practical report (group work) (40%), Examination (40%), Portfolio (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will learn to implement and evaluate relevant, credible and effective occupational therapy interventions from different theoretical perspectives for clients with limitations due to disorders of biomechanical, sensorimotor and energy metabolism deficits. They

will learn to clearly articulate the rationale for their choices. This will include the process of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities and implementing the interventions. A wide variety of possible intervention strategies for these clients groups will be considered in this unit. Interventions appropriate for clients across the lifespan will be included.

OCCP5217**OT Assessment and Planning**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** 1hr lectures/wk, 2hrs tutorials/wk **Assumed knowledge:** English and computing skills **Assessment:** Occupational interview (30%); In class presentation of group case studies (3x10%); Final examination 2 hr (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will learn to determine and plan relevant occupational therapy strategies to address OT relevant needs of individuals. Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients with the focus being consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardised and non-standardised assessments and environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

OCCP5218**OT in Home and Community Environments**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 2 **Classes:** 1hr lecture/wk, 2hrs Seminar/wk **Prerequisites:** Musculo-skeletal anatomy knowledge **Corequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies **Assessment:** Viva (Compulsory Pass) (20%), Access Audit (40%), Environmental Modification (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the home and community environments, including the physical, psychosocial and sociocultural components, in which clients perform occupations. These may include the home, neighbourhood shopping centre, community leisure facility, and residential accommodation such as nursing homes and retirement villages. Students will learn to assess the impact of these environments on clients' occupations, analyse activities conducted in these environments and recommend appropriate adaptations and modifications. In addition, students will learn about their own environments of practice as they impact on their work. These include team work practice and the politics of home, health and community settings. Students will learn appropriate presentation skills to document home and community environment assessments and recommendations including written reports and verbal presentations.

OCCP5219**OT in School and Work Environments**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 2b **Classes:** 3hrs Lectures-Tutorials/wk (School x 8 weeks), 3 hours Lectures - Tutorials/wk (Work x 8 weeks) **Prerequisites:** OCCP5217 OT Assessment and Planning **Assessment:** Group presentation and report (20%), Intervention Plan (30%), Workplace Assessment Report (20%), Functional Assessment Report (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is divided into material related to work and school environments. The work unit introduces students to the paid and unpaid work environments including the physical, psychosocial and sociocultural components in which clients perform occupations. Students will learn to assess the impact of these environments on clients' occupations and recommend appropriate adaptations and modifications. In addition, students will learn about their own environments of practice and the politics of health and work settings. The school unit introduces students to the occupation of children and

students in school settings, reviewing the physical, psychosocial and sociocultural components in which they perform occupations. Students will learn to assess the needs of children and students in schools and to consider the intervention approaches necessary to facilitate learning in schools. Students will become familiar with assessments that are conducted in these environments and recommend appropriate adaptations and modifications. In addition, students will learn about their own environments of practice as they impact on their work. These include teamwork practice and the culture of school settings.

OCCP5222

Psychosocial and Cognitive Strategies

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** 1hr lecture, 2hr tutorial/week for 13 weeks **Prerequisites:** OCCP5217 OT Assessment and Planning **Assessment:** Psychosocial: written report (25%), Group Leader Project (presentation and report) (12.5%) Assignment (12.5%). Cognitive: Case Study Assignment (30%), Presentation (15%), eLearning Tasks (5%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will learn to implement and evaluate relevant, credible and effective occupational therapy interventions from different theoretical perspectives for clients with limitations due to disorders of cognitive and psychosocial deficits. They will learn to clearly articulate the rationale for their choices. This will include the process of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities and implementing the interventions. A wide variety of possible intervention strategies for these clients groups will be considered in this unit. Interventions appropriate for clients across the lifespan will be included.

OCCP5228

Person - Environment - Occupation

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** 2 hrs Lecture/wk, 2 hrs Tutorial/Seminar/wk **Prerequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments **Assessment:** PEO Model (3x10%); Group poster (20%); Individual assignment (30%); Group presentation (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit students will further their skills in problem identification, assessment, activity analysis and intervention working within varying client and OT contexts, including 1) across the lifespan from childhood to middle age and older adults in individual, family, group and population contexts, 2) indigenous health, and 3) international health. This will include but not be limited to emerging areas of OT practice and roles. Students will be encouraged to look beyond immediate tasks and contexts to see the bigger picture, trends, needs and opportunities in the workplace, profession and broader community of practice. Students will integrate theory and practice learnt in previous units of study, to apply to groups and communities as the primary target groups.

OCCP5231

Client-Centred Assessment in OT

Credit points: 6 **Teacher/Coordinator:** Ms Meryl Lovarini **Session:** Semester 2 **Classes:** Block/intensive mode 5 days, followed by independent learning **Assessment:** Case study project (100%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit focuses on the OT assessment process, incorporating principles of client-centred practice and current research evidence to enable occupational therapists to assess a client's participation in daily life activities from a client-centred perspective. The knowledge and skills to interview clients; appraise the validity of standardised assessments and use/interpret them appropriately; identify and set client-centred goals; formulate intervention plans; and document from a client-centred perspective constitute the main focus. Issues surrounding client-centred assessment and the practical means to resolve them also will be explored.

Textbooks

Course manual

OCCP5233

Child & Adolescent Mental Health in OT

Credit points: 6 **Teacher/Coordinator:** Mr Reinie Cordier **Session:** Semester 1 **Classes:** Block mode: 5 days, 9am-5pm **Assumed knowledge:** Knowledge of child and adolescent development **Assessment:** 6000 word essay (100%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Child and adolescent mental health is an emerging field within occupational therapy. Particularly within the context of Australia, the valuable skills of occupational therapists are greatly under-utilised within child and adolescent mental health settings. Furthermore, for many paediatric occupational therapists, more emphasis is needed in addressing the mental health needs of the children and young people we work with. This unit of study will look at all the mental health conditions commonly found amongst children and adolescents from the perspective of the everyday difficulties commonly encountered by children/adolescents with those conditions and at the unique role of the occupational therapist during the assessment and intervention phase. Lectures, problem solving, video case material and printed handouts will be used to facilitate learning.

OCCP5236

SI and NDT: An Integrated Approach

Credit points: 6 **Teacher/Coordinator:** Dr Reinie Cordier, Prof Anita Bundy **Session:** Semester 1 **Classes:** Block/intensive mode: 5 days, 9am-5pm **Assumed knowledge:** Basic knowledge of typical development **Assessment:** Facilitation Report (10%), Poster and Presentation (20%), Report and Video (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: Available to MOT students.

Sensory Integration and Neurodevelopmental Treatment are the two approaches most widely used in paediatric practice of occupational therapy. When they are integrated skilfully, they can be powerful means for helping children adapt to sensory processing difficulties and motor impairments and succeed in everyday life. In this unit, we will analyse sensorimotor development, introduce both theories including assessment and intervention technologies, and analyse the compatibilities and incompatibilities of the two approaches, and apply the principles in everyday paediatric occupational therapy practice.

Textbooks

Blanche E, Botticelli TM and Hallway MK, Combining Neuro-Developmental Treatment and Sensory Integration Principles, Therapy Skill Builders, San Antonio (1995)

OCCP5237

Introduction to OT Theory and Practice

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** 2hrs lectures/wk plus 1hr lecture (2 weeks only), 1hr lecture (1 week only), 2hrs lectures (2 weeks only) **Assumed knowledge:** Skills are assumed in the following areas: communicating in English, computer and word processing, interacting positively with others. **Assessment:** Assignment (60%); Report and presentation (20%); Fieldwork Preparation presentation (20%); Documentation Exam, letter of introduction, learning contract, student practice evaluation form (SPEF-R) and letter of reflective thanks (Pass/Fail) - all one task **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.

This unit of study will introduce students to the theory and practice of occupational therapy through on campus learning activities and an introductory fieldwork placement. Students will learn about the concepts and philosophies that underpin occupational therapy professional practice, specifically the nature of human occupations and the analysis of occupations. They will also apply this to the occupational therapy process and principles of practice to link with observation of practice in the field. As part of the fieldwork experience students will develop an understanding of the occupational therapy process and develop practical skills in communication, interaction and professional behaviour under supervision. Students will also engage in self reflection to identify their personal learning needs, existing strengths and required capabilities of occupational therapists.

OCCP5238**Developing OT Prof. Skills in Practice**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 2 **Classes:** 1hr lecture/wk (8 weeks), 2hrs Tutorial/wk (8 weeks), 2hr Fieldwork Briefing Session (Week 1, 7 and 9 only) **Prerequisites:** OCCP5237 Introduction to OT Theory and Practice or OCCP5211 **Assessment:** (SPEF-R) (50%), Bibliography (10%), Reflexive analysis of learning event (40%). Students must pass their fieldwork placement in order to gain a passing grade for this unit. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.

This unit will engage students in the process of developing professional skills within elements of the occupational therapy process. The unit will explore the importance of reflexivity as a core capability in professional practice, and will provide opportunities for students to reflect on their own professional behaviour and development. A fieldwork placement will allow students to develop and document their ongoing achievement of professional competencies in a range of appropriate practice skills.

OCCP5239**Community Based OT Fieldwork**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** 3hrs lecture (one week only), 4 hrs lecture (one week only), 1hr lecture (one week only) 1hr lecture/wk (13 weeks), 1hr Fieldwork Tutorial/wk **Prerequisites:** (OCCP5237 and OCCP5238) or (OCCP5211 and OCCP5212) **Assessment:** Progress report (20%); Midway presentation in class (20%); Self assessment (10%); Peer assessment (30%); Final presentation and reports (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.

Students will develop and implement a structured fieldwork project during this unit. Students will be supported to work independently and will make regular reports to key stakeholders and community partners on the progress of the projects. This project will focus on enabling participation within diverse range of communities. This unit will develop the capacity of students across a broad range of capabilities, but will focus on leadership and management, vision and change agency. This unit of study will provide opportunities for formal and informal inter-professional learning. Weekly tasks based around peer support and moderated peer learning will assist in the development of skills essential for community based fieldwork.

OCCP5240**Implementing Skills in OT Prof Practice**

Credit points: 9 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1, Semester 2 **Classes:** 2 hrs Debriefing (one week only), 8 weeks Fieldwork Component **Prerequisites:** OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork **Assessment:** SPEF-R - Individual (80%), Reflective Letter of Thanks (20%), Fieldwork Documentation (pass/fail) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.

Extended fieldwork placements provide students with the opportunity to consolidate apply and develop further their knowledge of occupational therapy practice, with a focus on the graduate capabilities. Enabling participation lies at the core of all occupational therapy practice and students will have the opportunity to implement and evaluate a range of strategies to do this as part of the fieldwork placement associated with this unit. As members of different interdisciplinary teams, students will have opportunities to engage in formal and informal inter-professional learning. During this placement, students will also maintain contact with each other to extend their vision about the range of occupational therapy practice and to deepen their knowledge of planning, implementation and evaluation across practice communities.

OCCP5241**Evaluation of OT Practice**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1, Semester 2 **Classes:** Distance **Prerequisites:** OCCP5207 Assessing Evidence for OT Practice, OCCP5217 OT Assessment and Planning, OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Professional Skills in Practice **Corequisites:** OCCP5240 Implementing Skills in OT Professional Practice **Assessment:** Written report (20%); Occupational therapy program evaluation proposal (40%) ; Participation in on-line discussion tasks (20%); On campus presentation (20%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit of study provides students with the opportunity to gain skills in evaluating occupational therapy interventions and occupational therapy outcome measures relevant to practice. Both types of evaluation are core competencies identified by the national professional body. Students will apply their developing research and inquiry knowledge and skills from OCCP 5207 to an evaluation of an intervention and an outcome measure of relevance to their fieldwork experience. Students will develop skills in identifying appropriate goals that relate to the assessment of client outcomes and to the evaluation of an intervention program, and how to measure change to evaluate the degree of achievement of these goals. Students will need to locate and critique relevant literature, and determine practice issues associated with the evaluation of occupational therapy practice.

OCCP5242**Reflexivity and OT Professional Practice**

Credit points: 9 **Teacher/Coordinator:** Ms Jane Gamble **Session:** Semester 1, Semester 2 **Classes:** 3hrs Tutorial-Workshop (7 weeks), 2hr Fieldwork Debriefing (1 week only) 8 Weeks of Fieldwork Component **Prerequisites:** OCCP5237 Introduction to OT Theory and Practice, OCCP5238 Developing OT Prof Skills in Practice, OCCP5239 Community Based OT Fieldwork **Corequisites:** OCCP5240 Implementing Skills in OT Professional Practice **Assessment:** SPEF-R (Individual) - (50%), Examination (35%), Portfolio (15%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Students must complete statutory obligations prior to all fieldwork placements: required vaccinations, criminal records check, working with children declaration and cardiopulmonary resuscitation (CPR) training.

This unit includes an extended fieldwork placement and class activities to provide students with an opportunity to consolidate, apply and extend their knowledge of occupational therapy practice, with a focus on the range of competencies identified by OT Australia needed to become a beginning practitioner. This final fieldwork placement experience is focused on students developing independence and autonomy within a range of practice communities. Students will incorporate their fieldwork experiences into an exploration of reflexivity as a core capability in professional practice. Assessments will be focussed on student capabilities in integrating content from their studies throughout the Master of Occupational Therapy program

OCCP5243**OT Honours Project Development**

Credit points: 6 **Teacher/Coordinator:** Dr. Lynette Mackenzie **Session:** Semester 1, Semester 2 **Classes:** 2 hour tutorial per week for 13 weeks. Individual supervision with allocated supervisor **Prerequisites:** OCCP5207 Assessing Evidence for OT Practice **Assessment:** Research Proposal (60%); Ethics Application (20%); Presentation of research project proposal (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Students will undertake a supervised research project in an area relevant to the discipline of occupational therapy. This unit is designed to assist honours students with the development of a research question, a systematic literature review and research proposal, and any ethics applications that may be applicable to their individual research topics. Students will develop an understanding of the strengths of different research methods and be able to provide a rationale for the methodology selected for their research question. Students will effectively communicate the aims, methods and implications of their proposed research.

OCCP5244**OT Honours Research Thesis**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1, Semester 2 **Classes:** 2 hour tutorial for 7 weeks. Individual negotiated supervision time with allocated supervisor. **Prerequisites:** OCCP5243 OT Honours Project Development **Assessment:** Presentation (20%), Thesis (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will undertake a supervised research project in an area relevant to the discipline of occupational therapy. Upon completion of this unit students will have implemented data analysis and reported on an approved research project and submitted a report suitable for publication in a peer reviewed publication describing the project and its implications. Students will develop an understanding of the strengths of different data analysis techniques and be able to defend their research project results in written and verbal format.

OCCP5245**OT in Learning & Co-ord Difficulties**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** One 4-hour lecture per week **Assessment:** One 1500 word assignment (25%), one 1000 word report (20%), one 3000 word report (55%) and attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will give opportunities for students to study the impact of learning disabilities on children's home and school occupational performance. During the semester, students will study: various explanations of learning disorders; common assessment procedures used by occupational therapists to identify problems; interventions. The focus will be on direct intervention as experienced in private practice occupational therapy for children and consultation with schools. Students will be required to test at least one young child (typical child, rather than children with difficulties) aged between 3-4. Students who participate in this elective will be eligible for fourth year fieldwork placement in a public school in Killara.

OCCP5246**OT in Occ Health, Safety & Rehab**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** One 4-hour lecture/tutorial per week **Assessment:** One 4000 words report (60%), one 2000 word report (40%), satisfactory completion of independent learning tasks and attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study gives students the opportunity to extend their knowledge and skills of occupational health, safety and rehabilitation developed in OCCP3064 Human Occupations III and other units of study. Students will explore the issues of work-related injuries and disorders and how these impact on the occupational roles of individuals. There is also input from a sociological perspective. Students will learn how to conduct a functional assessment, including writing a report. There will also be content that addresses relevant ergonomic issues in the workplace and consideration of the hierarchy of controls in determining appropriate interventions, including education and training, as well as workplace modifications. Relevant legislation, regulations and competency standards will be used to guide the content and assessment of this unit.

OCCP5247**Mental Health Interventions**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** One 2-hour lecture per week and online components **Assessment:** Ten in-class quizzes (30%), one 2-hour open book exam (70%) and attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will extend the students knowledge and practical intervention skills in mental health clinical practice. Intervention skills and strategies developed will be both generic and occupational therapy specific. There will be a large experiential learning component so that students will develop a practical 'how-to' confidence in the clinical application of various techniques with particular consumer populations. In line with current state and national directions, this unit will be guided by principles of wellness and recovery. A range of cognitive focused

interventions, psycho-education, family interventions, early intervention, mental health promotion, relapse prevention and strategies to develop effective individual rehabilitation plans are some of the techniques and skills students will develop and practice within this unit.

OCCP5248**People with Intellectual Disability**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** One 4-hour lecture/tutorial per week **Assessment:** One 1800 word individual essay (30%), class presentation with 650 word handout (15%), group project presentation with 650 word handout (20%), one 2200 word individual report (35%), two 350 word audit tasks (1 individual, 1 group) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to develop students' knowledge, skill and attitudes for working with people with intellectual disability, with a focus mainly on adults, their participation and support needs. Students will study: the definition of intellectual disability; the abilities and support needs of people with intellectual disability; the service settings which people with intellectual disability use, their occupational roles in those settings, individual planning, choice and self-determination, guardianship, positive support for challenging behaviour, ageing and dementia, and families. There will be a detailed focus on 'Active Support' as one important approach to supporting people with intellectual disability participate fully (with support) in domestic and community life. Students will learn how to use Active Support techniques when working directly with people with intellectual disability, as well as learning how to train and support carers and direct-care staff in the use of these techniques. Classroom teaching will be supported by a small-group fieldwork project conducted in disability service settings.

Textbooks

Dempsey I & Nankervis K (eds), Community Disability Services: An Evidence-Based Approach to Practice, UNSW Press, Sydney (2006) A list of readings will be provided. Many readings are available online

OCCP5249**Professional Elective - General**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Mackenzie **Session:** Semester 1 **Classes:** Classes/modes of delivery will vary depending on the topic chosen **Assessment:** Two to three pieces of assessment equivalent to 8 credit points and attendance requirements (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will present a topic for a professional elective that allows students to explore an area of OT practice in depth. The specific topic will be determined from time to time as teaching staff, visiting scholars and resources are available. The unit will extend the learning students have achieved in the topic in the first three years of the course requiring an increase in the depth of student understanding in the topic area than that required in earlier parts of the course.

ORTH5029**Clinical Management of Refractive Error**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Kathryn Rose **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture per week, 12 hr tutorial per semester and e-learning **Assessment:** participation in E-learning discussion forum (20%), End Semester OSCE (40%), End Semester Exam (40%) **Practical field work:** Practical face-to-face tutorials across the semester. The student would be required to attend specialised clinical instrumentation tutorials and supervised clinical sessions related to the unit **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Preliminary knowledge of refractive errors will be expanded upon to include more complex refractive error topics such as understanding latent and manifest hypermetropia, aetiology of myopia, progressive myopia and keratoconus. The student will study and be encouraged to critically analyse the methods of detection of refractive error, the impact on the individual, and the selection of the most appropriate method to correct the optical error, e.g., single focus versus multifocal lenses in a variety of occupational situations. On completion of the unit the student will be able to assess the types and degree of refractive error present, its influence on daily activities and changes will that occur throughout life; to evaluate and outline appropriate management strategies for correcting refractive error including the optical and surgical methods and the likely problems associated with

each. The student will also be proficient in the skill of prescribing spectacle lenses, and the use and application of advanced ophthalmic technologies such as the Orbscan and Corneal Aberrometer.

Textbooks

Corboy J, *The Retinoscopy Book: An Introductory Manual for Eye Care Professionals* (2003)
 Elkington A, Frank H, Greaney M, *Clinical Optics* (1999)
 Fletcher R, *Still DC, Eye examination and Refraction* (1998)
 Gayton J, *Refractive Surgery for Eye Paraprofessionals* (1997)

ORTH5031

Eye Movement Disorders

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1 **Classes:** 2 hrs lect, 1 hr tutorial/week **Prerequisites:** ORTH5040 Binocular Vision and ORTH5043 Concomitant Strabismus **Assessment:** Mid-semester Exam (20%), End Semester OSCE (20%), End Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The systems that control eye movements will be studied, along with lesions and pathology that may affect normal ocular motility. This study will commence with orbital and restrictive conditions and progress to lesions in the neural pathways for eye movements. Students will be able to demonstrate that they can: discuss the impact of lesions within the motor pathway on the movement of the eye(s) including symptoms, clinical responses and sequelae; select appropriate tests to demonstrate the existence and extent of the motor defect and analysis of the outcomes; develop diagnostic skills and the ability to differentiate between similar but separate conditions; analyse patient responses and develop appropriate management strategies.

Textbooks

Ansons and Davis, *Diagnosis and Management of Ocular Motility Disorders* (3rd ed), Blackwell Science (2001)
 Walsh and Hoyt, *Clinical Neuro-ophthalmology*, Williams and Wilkins (2004)

ORTH5039

The Eye and Vision

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Kathryn Rose **Session:** Semester 1 **Classes:** One 2 hour lecture per week, 18 hrs tutorials per semester, community-based observation and e-learning **Assessment:** Report (20%), End Semester OSCE (20%), End Semester Exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this subject the normal eye and ocular systems are introduced. The unit commences with basic anatomy, embryology, physiology and optics of the eye using a systems approach, followed by sensory visual functions and nourishing systems of the eye. There will be an introduction to testing in a paediatric population. Basic clinical skills and assessment will be introduced, including testing of visual acuity, colour vision and contrast sensitivity.

Textbooks

Saude T, *Ocular Anatomy and Physiology*, Blackwell Science Publications (1993)
 Bron A, *Wolff's Anatomy of the Eye and Orbit*, HK Lewis, London (1997)

ORTH5040

Binocular Vision & Ocular Motility 1

Credit points: 6 **Teacher/Coordinator:** Neryla Jolly **Session:** Semester 1 **Classes:** One 3 hour lecture per week, 17 hrs tutorials per semester and e-learning **Assessment:** Mid-semester Exam (20%), Self Assessment Report and End Semester OSCE (30%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit of study, the anatomical, physiological and optical principles underlying eye movements and normal binocular vision are studied, and the processes by which they may be modified by refractive error and associated accommodation/convergence relationships. Common presenting problems of strabismus, accommodation and convergence will be introduced.

Textbooks

Ansons and Davis, *Diagnosis and Management of Ocular Motility Disorders* (3rd ed), Blackwell Science (2001)
 Rowe F, *Clinical Orthoptics* (2nd ed), Blackwell Publishing (2004)

ORTH5041

Introduction to Professional Practice

Credit points: 6 **Teacher/Coordinator:** Kathryn Thompson **Session:** Semester 1 **Classes:** One 3 hour lecture per week, 10 hrs tutorials per semester and e-learning **Assessment:** Mid-semester Exam (30%), End Semester OSCE (10%), End Semester Exam (60%) **Practical field work:** This unit will have scheduled on-campus, hands on tutorial sessions in which to practice and refine clinical tests **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The medical model and the roles the orthoptist plays in this model. The student will learn the broad areas of medical disease, medical terminology, components of medical terms and pharmacology. Basic ocular examination techniques including patient interviews, observation, ophthalmoscopy, visual fields. Common ocular disorders and their presenting signs and symptoms are introduced commencing anteriorly to conclude with optic nerve involvement. Management of eye disease will be introduced, with an emphasis on ocular pharmacology. The student will develop an understanding of the anatomy of the eye and visual system, by the examination of ocular structures in disease detection. On completion of the unit the student will be able to identify the roles of eye care health providers, including their own, as a novice practitioner. The student will be expected to demonstrate this novice role by interpretation of medical records, planning appropriate eye related investigations and further medical requirements, such as referral for further testing.

Textbooks

Cassin B and Hamed L, *Fundamentals for Ophthalmic Technical Personnel*, Saunders (1995)
 MIMMS Annual or MIMMS On Line
 Snell RS and Lemp MA, *Clinical Anatomy of the Eye* (2nd ed), (1998)
 Stein H, Slatt B and Stein R, *The Ophthalmic Assistant*, Mosby (2000)

ORTH5042

Ocular Pathology 1

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Kathryn Rose **Session:** Semester 2 **Classes:** One 3 hour lecture per week, 10 hrs tutorials per semester and e-learning **Assessment:** Mid-semester Exam (15%), End Semester OSCE (35%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The student will study the most recent aspects related to the clinical presentation of patients with: anterior segment disorders such as dry eye; watery eye; conjunctivitis; contact lenses; ocular emergencies; and red eye. Evidence-based practice in the areas of investigation and treatment of these conditions will be presented. Aspects related to new research into the detection and management of these conditions will be also studied. On completion of the unit the student will be able to critically evaluate the role of practitioners in the assessment of dry eye, inflammatory ocular disorders, ocular emergencies, and contact lens patients. This includes the ability to select and perform the correct assessment techniques for these patients. Awareness of recent innovations and the ability to assist the eye care practitioner in the management of these conditions will be developed.

Textbooks

Cassin B and Hamed L, *Fundamentals for Ophthalmic Technical Personnel*, Saunders (1995)
 MIMMS Annual or MIMMS On Line
 Snell RS and Lemp MA, *Clinical Anatomy of the Eye* (2nd ed), (1998)
 Stein H, Slatt B and Stein R, *The Ophthalmic Assistant*, Mosby (2000)

ORTH5043

Binocular Vision & Ocular Motility 2

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly **Session:** Semester 2 **Classes:** One 3 hour lecture per week, 20 hrs tutorials per semester and e-learning **Assessment:** Case-based studies (25%), End Semester OSCE (25%), End Semester Exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The student will study investigation and management of case studies of patients with defects of binocular cortical function related to motor defects and developmental defects (strabismus, amblyopia and binocular vision abnormalities), abnormalities of the accommodative mechanism and the decompensation of normal binocular operation to a symptomatic state. The student will be encouraged to incorporate

information from literature that relates animal research to clinical responses in the field of plasticity and demonstrate the significance of the information in the management strategies selected for case studies. Content includes: suppression, amblyopia (with central and eccentric fixation), binocular vision (normal, abnormal and non-functional) heterophoria and vergence defects, defects of accommodation and associated eye movement defects.

Textbooks

Anson A and Davis H, *Diagnosis and Management of Ocular Motility Disorders* (3rd ed), Blackwell Science (2001)
Orthoptic journals from Australia, Britain and America
The Transaction of the International Orthoptic Association

ORTH5044

Professional Practice 1

Credit points: 6 **Teacher/Coordinator:** Mrs Jan Howlett **Session:** Semester 1, Semester 2 **Classes:** Clinical as scheduled weeks 1-13, Block mode 4 weeks November to December, and e-learning **Assessment:** Case studies (40%), Clinical workbook and reflection report (60%) **Practical field work:** Off-campus tutorials and clinical attendance **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study provides students with clinical application and experience in concomitant squint. The unit will combine specialised patient centred clinical tutorials and attendance at relevant clinical locations to allow for integration of academic, instrumentation, clinical reasoning and patient management. This unit of study will be strongly supported by online case analyses and discussion using WebCT, and on-campus briefing and debriefing sessions.

ORTH5045

Professional Practice 2

Credit points: 6 **Teacher/Coordinator:** Mrs Michelle Courtney-Harris **Session:** Semester 1, Semester 2 **Classes:** Clinical Block mode 4 weeks and as scheduled weeks 1-12, and e-learning **Assessment:** Clinical workbook and assessment with reflection report (50%), case study (20%), end of semester viva exam (30%) **Practical field work:** Attendance at clinical placements as scheduled, including rural and regional placements **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Offered semester 1 for SC110, offered semester 2 for SH131/SC151

This unit provides opportunities for students to extend their clinical knowledge and demonstrate understanding of clinical practice in a variety of hospital, private practice and community settings. Students will further develop professional behavior and gain a wider understanding of the role of the orthoptist as part of a team of health professionals managing eye care for a range of patients and clients. Learning will be directed by professional and skill-based activities and will be used for both summative and formative assessment. Students will be required to reflect upon their professional development and to demonstrate fundamental competencies and skills in a clinical setting. During this clinical unit of study or in subsequent Professional Practice unit of study, students will attend at least one rural or regional clinical placement.

ORTH5046

Neurological Ocular Disorders

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly **Session:** Semester 1 **Classes:** 1x3-hr lecture/week, 18 hrs tutorials per semester and e-learning **Assessment:** Case-based studies (30%), end semester OSCE (20%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides a conceptual and practical framework for concepts of organization and function of the cortical sensory, motor and integrated areas within the brain that control vision and ocular motility. Through the mode of case-based presentation students will be introduced to medical record analysis, management strategies for patients with complex neuro-ophthalmic conditions, and apply knowledge of test principles and ocular function to develop and adapted test procedures for associated physical and communication defects. In a client-focused approach, the impact of disease processes on general and ocular function, processes of recovery and adaptation, and the integrated management of people with neurological conditions by the wider health team will be discussed. Students will learn to apply

relevant theoretical and scientifically based findings to their practice in the area of ocular and visual neurological disability. Topics include: neuro-ophthalmic investigation ; assessment of visual function in the presence of disability; stroke; head injury; headache; autonomic nervous system and pupil anomalies; visual field investigation and analysis; supra nuclear , nuclear, inter-nuclear & infra-nuclear defects; and therapeutic approaches for neurological conditions.

ORTH5047

Research Project 1

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Kathryn Rose **Session:** Semester 1 **Classes:** 1x2-hr lecture/week, 1-hr tutorial/week and e-learning **Assessment:** Participation in journal club (20%), class presentations (40%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit of study is for students to acquire an understanding of the principles of research that can be used in the critical evaluation of scientific and medical literature and its application to clinical practice. It will provide foundation knowledge to enable students to develop an understanding of the design of feasible and sound research projects, as well as preparing them to present their research and its outcomes in appropriate professional forums. New developments and controversies in vision sciences and their impact on professional practice will be critically analysed and discussed with an emphasis on the soundness of research methodologies and conclusions drawn from findings. Students will use current technology and databases to find, read, evaluate and present information about research relevant to a variety of research topics in the vision sciences. They will participate in structured discussion of relevant scientific papers. Students will be introduced to reference database systems and scientific journal referencing styles. They will study the principles of evidence-based practice, and randomised controlled trials in the clinical setting. They will gain experience in consulting databases of summarised data, and search systems for scientific reviews of clinical trials. They will review principles used to evaluate published research and gain experience in writing in a concise academic style.

ORTH5048

Professional Practice 3

Credit points: 6 **Teacher/Coordinator:** Mrs Michelle Courtney-Harris **Session:** Semester 1, Semester 2 **Classes:** Clinical block mode in July, then as scheduled weeks 1-12, and e-learning **Assessment:** Clinical workbook and reflection report (30%), case studies (20%), clinical supervisor assessment (50%) **Practical field work:** Attendance at clinical placements including rural and regional **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

This unit of study consolidates and extends knowledge and clinical competencies already acquired in previous clinical units of study. Learning will focus on achieving graduate capabilities through evaluation of clinical practice, including their own practice, in a range of clinical settings. Clinical reasoning will be emphasised for both the application and integration of clinical data for appropriate patient assessment and management. Students will be supported to work independently and to report their findings and management plans to clinical supervisors and other stakeholders for feedback. Students will be required to reflect upon their professional development and demonstrate competencies in higher level clinical skills and clinical reasoning. Students may attend a rural or regional clinical placement as part of this unit of study.

ORTH5049

Professional Practice 4

Credit points: 6 **Teacher/Coordinator:** Mrs Michelle Courtney-Harris **Session:** Semester 1, Semester 2 **Classes:** Clinical block mode in July, then as scheduled weeks 1-12, and e-learning **Assessment:** Clinical workbook including case study and reflection report (40%), end of semester Viva Exam(30%), Clinical supervisor assessment (30%) **Practical field work:** Attendance at clinical placements including rural and regional **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

This is the final of four professional practice units and is designed to synthesise the student's learning and knowledge acquired in all units of study they have undertaken in this course. As such, it can be described as a 'capstone' learning experience for the student. This is experienced through a range of orthoptic and ophthalmic clinical placements include those in rural and regional locations, enabling students to meet graduate competency standards and consolidate the required knowledge, skills and attitudes of an entry-level practitioner. Student learning will emphasis clinical reasoning for the assessment and management of patients with complex ocular conditions that may interact with other ocular and systemic conditions. Students should demonstrate a professional level of skills in the clinical setting and the capacity to apply clinical reasoning in the management of complex cases. Clinical competency will be assessed, commensurate with the registration standards set out by the Orthoptic Board of Australia. Students will be required to reflect upon their professional development, particularly their readiness for professional entry into orthoptic practice and their ability to work both independently and within the multidisciplinary team.

ORTH5050

Ocular Pathology 2

Credit points: 6 **Teacher/Coordinator:** Mrs Kathryn Thompson **Session:** Semester 1 **Classes:** 1x3-hr lecture/week, 20 hrs tutorials per semester and e-learning **Assessment:** Mid-semester exam (30%), end semester OSCE (20%), end semester exam (50%) **Practical field work:** Industry and workplace tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Building on knowledge and skills acquired in Ocular Pathology 1, in this unit of study students will gain an understanding of how the investigation and management of ophthalmic conditions will vary across life stages with particular emphasis on the pediatric and geriatric populations. The role of the orthoptist in the ophthalmic workplace will be further explored with emphasis given to the development and demonstration of critical analysis of practice in the therapeutic, pharmacological and surgical management of complex ophthalmic conditions. The most recent evidence for modes of investigation and treatment will be evaluated. Advanced clinical skills required for the assessment of complex ophthalmic cases will be addressed. Using a client-focused approach, students will apply clinical reasoning to the design of plans of investigation and management for people with acute and chronic ophthalmic conditions. The role of the wider team of health professionals in the care of people with ophthalmic conditions and their role as future practitioners within the team will be discussed.

Textbooks

Kanski Jack J, Clinical diagnosis in ophthalmology, Elsevier Mosby (2006)

ORTH5051

Research Project 2

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Kathryn Rose **Session:** Semester 2 **Classes:** Block mode Monday to Friday in weeks 2, 4, 7, 10 and 13 as scheduled and e-learning **Assessment:** Mid-semester exam (20%), e-learning discussion and data entry (10%), Dissertation 5,000 words (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study will provide an opportunity for students to use the research skills developed in Research Report 1 and apply them in the conduct of a supervised research project in an area related to orthoptic practice. Some students may carry out an individual project supervised by another member of academic staff, subject to the UoS coordinator's approval. Understanding of the principles of ethical research will be explored in an on-line module and through discussion of ethical issues involved in the conduct of research relevant to their area of practice including the current project. Students will identify the relevant background information for this project by performing a review of the scientific literature pertaining to the research question. They will identify the data necessary to answer the question and discuss relevant research methodology. Under supervision, they will participate in the collection of data and will use current technology to perform statistical analysis to interpret the information gained. Students will gain experience in writing in a concise academic style and learn how to present the results of their analysis by independently write a

dissertation setting out the results of their project in the context of the original research question and their literature review. They will present this in the format of a research publication.

ORTH5052

Current Topics in CVS

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Kathryn Rose **Session:** Semester 2 **Classes:** 1x2-hour lecture/week, 1-hour tutorial and e-learning **Assessment:** Participation in on-line discussion forums (30%), class presentation (30%), end of semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit of study, new developments and controversies in vision sciences and their impact on professional practice will be analysed and discussed. Students will be introduced to basic statistical principles relevant to analysis of clinical data, including concepts of sampling, distributions of scores, summaries of data, and treatment of categorical and quantitative data. Students will gain the ability to understand and evaluate published statistical analyses; perform simple statistical tests both by hand and with the assistance of a computer-based spreadsheet and statistical packages. This knowledge will be applied to selected questions related to orthoptic practice.

Textbooks

No set textbooks, students will access variety of sources such as professional journals, conference proceedings and the Web

ORTH5053

Advanced Professional Practice

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Kathryn Rose **Session:** Semester 2 **Classes:** Block mode Monday to Friday in weeks 2, 4, 7, 10 and 13 as scheduled and e-learning **Assessment:** Case studies (50%), end of semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This is a capstone unit of study for the course, encompassing knowledge acquired from all units studied in this course. Emphasis will be given to clinical reasoning in cases of complex ophthalmic disease and ocular motility disorders. This unit of study is closely aligned with learning in Professional Practice 3 and 4 and information gain in clinical placements will be integrated into this unit. Cases will be selected to challenge the student to apply recent scientific and medical evidence-based findings relating to the genesis of conditions, their clinical investigation, immediate treatment and long-term management. Students will be encouraged to analyse clinical responses and develop relevant diagnostic and treatment guidelines based on sound clinical reasoning. Content will address issues of: systemic and ophthalmic disease; complex ocular motility conditions; occupational health and safety and employment; professional; medico-legal ramifications and their interaction.

Textbooks

Ansons M and Davis H, Diagnosis and Management of Ocular Motility Disorders, Blackwell Science (2001)

Australian, British and American Orthoptic Journals, Transactions of the International Orthoptic Association

Journals of Ophthalmology from Australia/ New Zealand, Britain and America eg Clinical and Experimental Ophthalmology, Blackwell Publishing

ORTH5060

Perspectives in Vision

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kathryn Rose **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture per week, 1 hour tutorial per week and e-learning **Assessment:** Mid-semester Exam (30%), Case study and report (30%), End Semester Exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study allows the student to gain an understanding of the broad context of eye health on an international, national and local scale. The student will acquire knowledge of the prevalence of the most common causes of blindness and visual impairment and their social and economic cost. They will also develop a concept of the implication of visual impairment for the individual and learn about the international and national programs for the prevention and management of blindness and visual impairment, as well as client-focused case management of persons with a visual impairment and their rehabilitation. They will develop an understanding of life stages and how these influence the natural history of ocular diseases,

their detection and care. They will examine the notion of avoidable and non-avoidable blindness and understand the role of primary eye care and its application in the community setting. They will learn the general requirements of successful screening for disease and apply this knowledge in the context of vision and ophthalmic screening of children and adults.

PHAR5513

Pharmaceutical Chemistry 1A

Credit points: 6 **Teacher/Coordinator:** A/Prof J Hanrahan **Session:** Semester 1 **Classes:** 2 x lectures/wk, 5 x 2hr tutorials, 4 x 4hr workshops and self-directed learning **Assessment:** Exam (60%), laboratories (25%), workshops (10%) and modelling (5%) **Practical field work:** 3 x 4hr labs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will explore the physicochemical properties of drugs and how this determines the interactions of small molecules (drugs) with biological macromolecules (enzymes and receptors). All stages in the process of drug design and development will be investigated, including computational drug design, structure activity studies, synthesis and activity assays. Students will also gain experience in a variety of experimental techniques related to drug design. In addition, students will develop skills including critical thinking, the use of information technology and report writing.

Textbooks

Patrick GL. An Introduction to Medicinal Chemistry (4th ed). Oxford University Press, 2009

PHAR5515

Pharmaceutical Science

Credit points: 6 **Teacher/Coordinator:** Dr R Rohanizadeh **Session:** Semester 1 **Classes:** 2 x lec/week **Assessment:** 2 x 1.5hr exams (70%), microbiology workshops (10%), drug molecular properties workshops (10%), metabolism assignments (10%). **Practical field work:** 1 x 3hr workshop/week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will provide an introduction to the concepts required for the study of Pharmacy and integrate knowledge from the various sub-disciplines within the Pharmaceutical Sciences. Topics studied include physicochemical/molecular properties underlying drug action, toxicology, drug metabolism, bioactivation and inactivation, identification of drugs and their metabolites, micro-organisms in pharmacy, sterilisation techniques, disinfection and preservation of pharmaceutical products, and cleanroom technology. These concepts will be further explored in workshop formats.

Textbooks

Recommended: Denyer SP, Hodges NA & Gorman SP. Hugo & Russell's Pharmaceutical Microbiology, 7th edition, Blackwell, 2004
D.A. Williams & T.L. Lemke eds; (2002) Foye's Principles of Medicinal Chemistry, 5th Ed., Lippincott, Williams & Wilkins.
Wallwork, S.C. & Grant, D.J.W. (1977). Physical Chemistry for students of Pharmacy and Biology. New York: Longman, Third edition.
Casarett and Doull's toxicology: the basic science of poisons. 6th edition (2001).
D.G. Watson (2005) Pharmaceutical Analysis, 2nd Ed., Churchill-Livingstone.

PHTY5134

Therapy in Disorders of the Hand

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 2 **Classes:** Two intensive on-campus teaching blocks of 2-4 days plus some off-campus distance mode **Assumed knowledge:** Graduate experience in hand therapy as a qualified physiotherapist or occupational therapist **Assessment:** Research-based seminar presentation (35%), participation and written assignment (55%) essay, group participation (10%), mastery of practical skills **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit of study provides the student with the opportunity to improve their knowledge and skills in the area of common hand pathologies including fractures and dislocations, arthritis wrist, tendon and nerve injuries. Assessment and treatment strategies used specifically for hand injuries and conditions will be addressed including impairment, sensibility and disability testing, splinting, and exercise. Practical clinical skills in hand therapy will be also be covered, further development of which will occur in the clinical practice units of study.

PHTY5180

Physiotherapy Practicum I

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1 **Classes:** 37hrs per week for 5 weeks at clinical facilities **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** (100%) assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study involves clinical placements in one of the three following areas: rehabilitation, acute care, ambulatory/outpatients. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum I, II and III are all five-week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition, one of the placements may be in a rural or regional setting.

PHTY5181

Physiotherapy Practicum II

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S1 Late Int **Classes:** 37hrs/week at clinical facilities **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** (100%) assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study involves clinical placements in one of the three following areas: rehabilitation, acute care, ambulatory/outpatients. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum I, II and III are all five-week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition, one of the placements may be in a rural or regional setting.

PHTY5182

Physiotherapy Practicum III

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S1 Late Int **Classes:** 37hrs/week at clinical facilities **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** (100%) assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study involves clinical placements in one of the three following areas: rehabilitation, acute care, ambulatory/outpatients. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicum placements there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum I, II and III are all five-week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition, one of the placements may be in a rural or regional setting.

PHTY5183

Advanced Physiotherapy

Credit points: 4 **Teacher/Coordinator:** Dr Debra Shirley, Dr Lyndal Maxwell, Dr Louise Ada **Session:** Semester 2 **Classes:** 29 hrs over 10 weeks **Prerequisites:** PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV, PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II **Assessment:** End of unit practical assessment (30%), end of unit written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit consists of three modules: musculoskeletal, cardiopulmonary and neurological physiotherapy. The musculoskeletal module will focus on the development of advanced skills in assessment and management of the musculoskeletal system, in particular, spinal manipulation. The cardiopulmonary module will examine a range of complex clinical issues organised on a case-basis including multi-system dysfunction (physiological, psychological and social) across the age spectrum. The neurological module will examine acute neuromedical and neurosurgical interventions, the history of neurological rehabilitation, and advanced skills in clinical reasoning.

PHTY5184

Paediatric Physiotherapy

Credit points: 4 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** 3-4hrs/week **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** Mid unit seminar (30%), end of unit written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit of study is to give the students the opportunity to consolidate their understanding of the musculoskeletal, cardiopulmonary and neurological systems and be able to apply this knowledge to paediatric physiotherapy. Students will be made aware of the changes which occur from infancy through to adulthood in motor, musculoskeletal and cardiopulmonary development. In addition, students will address issues related to assessment and training strategies in children with dysfunction in motor, musculoskeletal and cardiopulmonary systems. Content in this unit of study will be presented in an integrated format utilising the principles of clinical reasoning and problem solving. Some relevant resource material will be made available to the students in web-based, CD-ROM and hard copy format but students will also be required to research topics independently in areas not previously encountered in their program.

PHTY5185

Physiotherapy for Older Persons

Credit points: 4 **Teacher/Coordinator:** Assoc Prof Jack Crosbie **Session:** Semester 2a **Classes:** 4hrs/week for 6 weeks **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** Seminar presentation (30%), end of unit written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is designed to enable students to examine the physiological, psychological and social changes associated with healthy ageing and the more common impairments, activity limitations and participation restrictions that arise in an older population. Integration of material from core areas of musculoskeletal, neurological and cardiopulmonary physiotherapy will be required in order to plan management and modify physiotherapy intervention for older persons. The role of the physiotherapist in a variety of environments and in conjunction with other health care resources will be discussed. Content in this unit of study will be presented in an integrated format, utilising the principles of problem-based learning. Some relevant resource material will be made available to the students in web-based and hard copy format but students will also be required to research topics independently in areas not previously encountered in their program.

PHTY5186

Physiotherapy in Selected Populations

Credit points: 4 **Teacher/Coordinator:** Dr Martin Mackey Module Coordinators: Dr Susan Coulson (Community Physiotherapy), Dr Martin Mackey (Occupational Physiotherapy), Dr Leslie Nicholson (Sports Physiotherapy) **Session:** Semester 2 **Classes:** 3-4hrs/week **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** Mid unit seminar (30%), end of unit written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit comprises 3 integrated modules: occupational physiotherapy, sports physiotherapy and community physiotherapy. In the occupational physiotherapy unit, students will focus on a risk management approach to work injury prevention and occupational

rehabilitation. Specific injury assessment and management strategies such as functional capacity evaluations and functional restoration programs will also be addressed. In the sports physiotherapy module, students will assess sports related injury and design programs to prevent and manage complex injuries sustained during sporting and recreational activities. In the community physiotherapy module, students will address the contribution of physiotherapy to the management of particular groups who receive health care in the community.

PHTY5187

Scientific Practice II

Credit points: 4 **Teacher/Coordinator:** Dr Roger Adams **Session:** Semester 2 **Classes:** 2hrs/week **Prerequisites:** PHTY5180 Physiotherapy Practicum I, PHTY5181 Physiotherapy Practicum II, PHTY5182 Physiotherapy Practicum III **Assessment:** Presentation/written report (33%), end of unit written exam (67%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study assists students to evaluate the suitability of assumptions made in physiotherapy research, to evaluate the appropriateness of design strategies and sampling procedures. The module will build on previous knowledge of research methods and develop skills in applying this to research models for physiotherapists. In this subject, students will be required to generate, enter, analyse and interpret data. The module covers statistical procedures commonly used in physiotherapy research, with training in software packages. Specific designs covered include: reliability, groups by repeated measures factorial ANOVA, and ROC curve analysis, with computation of power to find effects. By the completion of this unit of study, participants will understand how these research designs are relevant to physiotherapy practice, how to enter, edit, analyse and interpret data, and how to use a variety of statistical packages. Students also practice using search engines to review and present the current knowledge in a relevant research area.

PHTY5188

Musculoskeletal Physiotherapy 5

Credit points: 4 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 1 **Classes:** 18 hrs lectures, 18 hrs tutorials **Prerequisites:** PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** End of unit viva / practical assessment (40%), end of unit written exam (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study aims to provide a detailed approach to history taking and performance of the physical examination for a patient with disorders of the cervical and thoracic spine. With the integration of communication and listening skills, application of sound physical testing procedures and clinical reasoning, the aim is to enable students to diagnose/ triage and manage patients with cervical pain or thoracic spine pain who present to primary and secondary care. In addition, students will be able to determine appropriate evidence-based practice management strategies for patients with cervical or thoracic spine problems and design appropriate treatment progression.

PHTY5189

Physiotherapy Practicum IV

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** S1 Late Int, S2 Late Int **Classes:** 37hrs/week at clinical facilities **Prerequisites:** PHTY5180 Physiotherapy Practicum I, PHTY5181 Physiotherapy Practicum II, PHTY5182 Physiotherapy Practicum III **Corequisites:** PHTY5183 Advanced Physiotherapy, PHTY5184 Paediatric Physiotherapy, PHTY5185 Physiotherapy for Older Persons, PHTY5186 Physiotherapy in Selected Populations **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: S1 Late Int.

This unit of study involves clinical placement in community health. This may include paediatrics, geriatrics, occupational health, sports practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy

professionals. During practicum placements there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum IV is a five week placement which requires full-time attendance (37 hours per week) at clinical facilities. In addition, this placement may be in a rural or regional setting. Some students may also complete this practicum in an international setting.

PHTY5190

Evidence-Based Decision Making

Credit points: 6 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 1 **Classes:** 7 self-directed learning modules with email/online/phone support; 1 day workshop (Saturday) **Assessment:** Written reports (40%), written exam (60%) **Campus:** Cumberland **Mode of delivery:** On-line

This unit of study will teach students how to critically appraise clinical research pertinent to health professionals; and practice evidence-based decision-making. Self-directed modules address qualitative and quantitative study designs; experiences of therapies; effects of interventions; accuracy of diagnostic tests; prognoses; cost effectiveness; and clinical decision analysis.

Textbooks

*Herbert RD, Jamtvedt G, Mead J, Hagen KB, Practical Evidence-Based Physiotherapy, Oxford: Elsevier (2005).

*Note: new edition due 2011

Hoffmann T, Bennett, S & Del Mar, C. (Eds). Evidence-Based Practice Across the Health Professions. Sydney: Churchill Livingstone Elsevier (2010)

PHTY5192

Cardiopulmonary Physiotherapy 1

Credit points: 6 **Teacher/Coordinator:** Dr Lyndal Maxwell **Session:** Semester 1 **Classes:** 2hrs lecture, 2hrs tutorial/week **Assessment:** Mid semester practical assessment (15%), end semester practical assessment (15%), end semester written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic respiratory and cardiac dysfunction. In particular, students will evaluate pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective, inflammatory; restrictive; and obstructive pulmonary disorders, and coronary artery disease. Students will learn the practical skills and develop treatment strategies to effectively manage respiratory problems. Additionally this unit will develop the student's knowledge of exercise and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations and other co-morbidities to exercise. The unit will provide students with an opportunity to apply, integrate and extend knowledge at a postgraduate level based on their previous degree.

PHTY5193

Musculoskeletal Physiotherapy 1

Credit points: 6 **Teacher/Coordinator:** Mr Peter Colagiuri **Session:** Semester 1 **Classes:** 2hr lecture, 2hr tutorial/week **Corequisites:** PHTY5194 Musculoskeletal Physiotherapy II **Assessment:** Mid semester practical assessment (20%), end semester practical assessment (30%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit of study is to develop the skills required to perform basic musculoskeletal assessment and treatment techniques, safely and effectively apply a selection of electrophysical agents and assess and prescribe exercise-based rehabilitation at the level of a student commencing musculoskeletal clinical practical placements. This unit will integrate knowledge from assumed foundation sciences. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence based practice and safety. This unit of study complements PHTY5194 Musculoskeletal Physiotherapy II (MSII) and lays the foundation for MSIII, MSIV and MSV which will further develop skills in the management of disorders of the spine, upper and lower limbs and more complex musculoskeletal conditions.

PHTY5194

Musculoskeletal Physiotherapy 2

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** 2hr lecture, 2hr tutorial/week **Corequisites:** PHTY5193 Musculoskeletal Physiotherapy I **Assessment:** Mid semester practical assessment (20%), end semester practical assessment (30%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit of study is to develop the skills required to assess, diagnose and manage common musculoskeletal disorders of the lower extremity incurred by patients of all ages at the level of a student commencing musculoskeletal clinical practical placements. This unit will integrate knowledge from assumed foundation sciences. Students will develop the ability to select and safely implement interventions based on clinical reasoning and principles of evidence based practice. This unit of study complements Musculoskeletal Physiotherapy I (MSI) and together they lay the foundation for MSIII, MSIV, MSV and the musculoskeletal component of Advanced Physiotherapy which will further develop skills in the management of disorders of the spine, upper extremity and more complex musculoskeletal conditions.

PHTY5195

Neurological Physiotherapy 1

Credit points: 6 **Teacher/Coordinator:** Ms Angela Stark **Session:** Semester 1 **Classes:** 2hr lecture, 2hr tutorial/week **Assessment:** Mid semester practical assessment (35%), end semester practical assessment (25%), written exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Neurological physiotherapy aims to develop in students an ability to apply relevant theoretical and databased scientific findings to clinical practice in the area of disease and trauma to the nervous system. This unit examines the pathology, impairments (weakness, loss of dexterity, loss of sensation and spasticity as well as adaptations such as contracture), activity limitations (difficulty standing up, sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed) and participation restrictions arising from conditions of acute onset (stroke, traumatic brain injury, cerebral palsy and Guillain-Barre Syndrome). Students will learn to assess, train and measure outcome of everyday activities integrated within the rehabilitation team.

PHTY5196

Professional and Scientific Practice

Credit points: 6 **Teacher/Coordinator:** Dr Julia Hush, Ms Genevieve Dwyer **Session:** Semester 2 **Classes:** 2hr lecture, 1 hr tutorial/week **Assessment:** Seminar (20%), written report (20%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study comprises of two areas that relate to all areas of physiotherapy practice. Professional practice overviews the regulation of physiotherapy, and broad and specific issues and practices in health care delivery affecting physiotherapists. Scientific, or evidence-based practice, is one of the important tenets underpinning physiotherapy practice. These areas are covered in two modules that are presented over the semester.

PHTY5197

Neurological & Cardiopulmonary Physio 1

Credit points: 6 **Teacher/Coordinator:** Dr Colleen Canning, Dr Lyndal Maxwell **Session:** Semester 2 **Classes:** 2hrs lecture, 2hr tutorial/week **Prerequisites:** PHTY5192 Cardiopulmonary Physiotherapy I, PHTY5195 Neurological Physiotherapy I **Assessment:** Mid semester assignment (20%), end semester practical assessment (20%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study builds on and expands the knowledge, skills and attributes developed in Cardiopulmonary Physiotherapy 1 and Neurological Physiotherapy 1. Three modules are included: cardiopulmonary physiotherapy in the acute care environment, physiotherapy for neurodegenerative conditions and acute neurological/neurosurgical care. The acute care module focuses on assessment and treatment of patients with acute pulmonary dysfunction. In addition students examine specific clinical and

professional issues relating to the intensive care and acute care environment. The emphasis is on appropriate assessment, safe and effective management of intubated and non-intubated patients. The neurodegenerative conditions module examines the pathology, impairments, activity limitations and participation restrictions arising from neurodegenerative conditions which require adaptation (such as Parkinsonism, multiple sclerosis, and motor neuron disease). Students learn to assess and train or prescribe appropriate aids to enable activities such as rolling over, sitting, walking, transferring, wheelchair mobility, and reaching and manipulating objects to be carried out. The acute neurological and cardiopulmonary care module focuses on physiotherapy management of acute neurological and neurosurgical conditions.

PHTY5198

Musculoskeletal Physiotherapy 3

Credit points: 6 **Teacher/Coordinator:** Dr Paulo Ferreira **Session:** Semester 2 **Classes:** 2hr lectures, 2hr tutorials/week **Prerequisites:** PHTY5193 Musculoskeletal Physiotherapy I, PHTY5195 Musculoskeletal Physiotherapy II **Corequisites:** PHTY5199 Musculoskeletal Physiotherapy IV **Assessment:** Mid semester practical assessment (20%), end semester practical assessment (30%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study develops the skills required for primary care management of low back pain at a level to commence a musculoskeletal practicum. Students learn to 'triage' patients to distinguish patients with non-specific pain from those suspected of having underlying disease/pathology. The unit covers the basic epidemiology of spinal pain (risk factors, clinical course, prognostic factors) and the assessment of treatment outcome. The evidence base of management options is explored and students learn to apply a range of treatments such as education and advice, manual therapy, exercise, McKenzie therapy etc. This unit will integrate knowledge from earlier foundation science and physiotherapy subjects. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence-based practice and safety.

PHTY5199

Musculoskeletal Physiotherapy 4

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Leaver, Dr Mark Hancock **Session:** Semester 2 **Classes:** 2hr lecture, 2hr tutorial/week **Prerequisites:** PHTY5193 Musculoskeletal Physiotherapy I, PHTY5194 Musculoskeletal Physiotherapy II **Corequisites:** PHTY5198 Musculoskeletal Physiotherapy III **Assessment:** Mid semester practical assessment (20%), end semester practical/viva assessment (20%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is part of the musculoskeletal curriculum that develops knowledge and skills required by a graduate physiotherapist in the primary care management of musculoskeletal disorders in the general population. This unit focuses on management of musculoskeletal conditions of the upper limbs. At the completion of this unit student will have demonstrated theoretical knowledge, clinical reasoning and competency in assessment and treatment at a level sufficient to commence student practicum.

PHYS5020

Computation and Image Processing

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** Assignments, written exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, Monte Carlo modelling of radiation transport is covered, along with the theory of image formation, concepts of computing, numerical methods and image processing, including techniques such as enhancement, registration, fusion and 3D reconstruction.

PUBH5018

Introductory Biostatistics

Credit points: 6 **Teacher/Coordinator:** Mr Kevin McGeechan **Session:** Semester 1 **Classes:** 2 x 2hr lecture, 10 x 1hr lectures, 11 x 2hr tutorials, 2 x

1hr and 8 x 0.5hr statistical computing self directed learning tasks over 12 weeks - lectures and tutorials may be completed online **Assessment:** 1x4 page assignment (30%) and 1x2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit aims to provide students with an introduction to statistical concepts, their use and relevance in public health. This unit covers descriptive analyses to summarise and display data; concepts underlying statistical inference; basic statistical methods for the analysis of continuous and binary data; and statistical aspects of study design. Specific topics include: sampling; probability distributions; sampling distribution of the mean; confidence interval and significance tests for one-sample, two paired samples and two independent samples for continuous data and also binary data; correlation and simple linear regression; distribution-free methods for two paired samples, two independent samples and correlation; power and sample size estimation for simple studies; statistical aspects of study design and analysis. Students will be required to perform analyses using a calculator and will also be required to conduct analyses using statistical software (SPSS). It is expected that students spend an additional 2 hours per week preparing for their tutorials. Computing tasks are self-directed.

Textbooks

Course notes are provided.

PUBH5021

Global Obesity and Health Promotion

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Louise Hardy **Session:** Semester 2 **Classes:** 1 x 2day intensive workshop, plus weekly facilitated online tutorials for 10weeks **Assessment:** 1 x 1000wd short assignment (25%), 1 x 2500wd assignment (50%), participation in online discussion (15%), participation in workshop (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit of study provides an overview of public health issues related to obesity and chronic disease prevention in developed and developing countries. It examines the epidemiology of obesity in children and adults, including measurement and population-level trends. Causes of the global obesity epidemic, including behavioural, social and environmental causes, as well as current knowledge regarding effective preventive interventions and solutions are explored. The course will develop students' skills in analysing international and national prevention programs and policies related to the development of obesity. Energy imbalance, increased physical inactivity and increased food consumption, are discussed. Students will develop and apply knowledge to critiquing public health surveillance systems to monitor obesity, and to develop interventions in diverse social, cultural and community contexts. The course will reflect the roles of government and NGOs in obesity prevention. The context of obesity in non-communicable disease prevention will utilise international health promotion perspectives, including the WHO 2004 Global Strategy on Diet, Physical Activity and Health. A broad health promotion approach that considers the role of different sectors working strategically and in partnership is explored.

Textbooks

Course notes will be provided.

PUBH5022

Physical Activity and Public Health

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dafna Merom **Session:** Semester 2 **Classes:** 1.5 days intensive workshop, weekly online tasks, students' posting and online discussion for 9 weeks **Assumed knowledge:** Prior research methods coursework at a master's level, similar to PUBH5010 Epidemiology Methods and Uses at the University of Sydney. **Assessment:** 1 x 2500 word assignment (50%), 1 x 1000 word assignment (20%), participation in online tasks and discussion (30%), participation in workshop (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This is an innovative unit [without precedent in Australia]. It addresses the important health risk factor of physical inactivity, and considers:

[i] the epidemiology of physical inactivity globally, [ii] measurement and public health surveillance of physical activity, [iii] correlates and determinants of inactivity in adults and children, [iv] population-level interventions and settings for targeting physical inactivity, and [v] physical activity policy development, advocacy and global issues in physical activity and disease prevention. The course will build on introductory public health core units of study, and apply them to a consideration of physical activity and public health. The evidence for health and social benefits and reasons for inactivity will be considered, as well as evidence-based strategies and settings for increasing physical activity at the population level. The course will consider the differences between local-level 'exercise programs' and large-scale public health efforts, and develop an understanding of policy and advocacy as applied to physical activity promotion. A multi-sectoral approach will be taken to the promotion of physical activity, drawing from the health and non-health sectors. Specific skills will be developed in physical activity research, surveillance and in the application of epidemiological methods to studies of physical activity and health.

Textbooks

Readings will be available on the WebCT site for the unit.

REHB5060

Rehabilitation Philosophy

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1 **Classes:** On-campus: 2hr lecture, tutorial/fortnight plus module notes and directed reading; Distance education: no on-campus attendance required **Prohibitions:** REHB5045 Rehabilitation Theory **Assessment:** Practical exercises (20%), 2500 word essay (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit discusses the history and philosophies of rehabilitation and rehabilitation service delivery. Students examine and analyse the historical and philosophical background relating to the emergence of rehabilitation as a human service. They develop knowledge of attitudes to disability, particularly an understanding of how certain movements such as eugenics, social Darwinism, independent living and the Disability Movement have changed and shaped such attitudes. They will also examine how disability has been conceptualised by, and incorporated into, post modern approaches and developed as a human service.

Textbooks

Readings provided

REHB5061

Applied Psychosocial and Medical Rehab

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** On-campus: 2hr lectures/week alternating between medical and psychosocial plus module notes and directed reading; Distance education: no on-campus attendance required **Prohibitions:** REHB5012 Medical Aspects of Disability, REHB5047 Psychosocial Aspects of Disability **Assessment:** 2 log books, 3000 words total (50%), take-home exam (25%), 1500 word journal/exercise (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit provides students with an insight into: the social position and life experiences of disabled people from their own perspective; and the functional implications of chronic illness and disability. Students critically analyse models of psychosocial adaption to illness and disability and explore the relationships between adjustment and adaption, emotional reactions to chronic disease and disability, coping strategies and quality of life. Upon completion of this unit, students should have an increased understanding of the psychosocial, medical and functional aspects of chronic illness and disability. This understanding will improve the effectiveness of their service delivery to disabled people, leading to more positive rehabilitation outcomes.

Textbooks

Readings provided/text to be confirmed

REHB5062

Brain Injury Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** On-campus: 1hr lecture/week; Distance education: no on-campus attendance required **Prohibitions:** REHB5022 Acquired Brain Injury Rehabilitation, REHB3067 Acquired Brain Injury Rehabilitation **Assessment:** Take-home exam (30%), 2000 word service portfolio (30%), 2000 word essay

(40%) **Practical field work:** Exercises within the unit of study **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit examines the causes and consequences of acquired brain injury. The pervasive nature of the ongoing functional limitations usually associated with this population is highlighted. The relationship between severity of brain damage and the nature of the effect on client functioning in family, work and social domains is also explored. The unit of study also examines the nature and range of rehabilitation services available to clients who sustain brain injury.

Textbooks

Relevant readings provided

REHB5063

Rehabilitation of PTSD

Credit points: 6 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** On-campus: 1hr tutorial/week, distance education mode with attendance option of occasional on-campus workshop or seminar **Prohibitions:** REHB5034 Rehabilitation and PTSD, REHB3065 PTSD and Rehabilitation **Assessment:** Take-home exam (40%), 3500 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit examines the causes and consequences of posttraumatic stress disorder. Students will learn about the history, nature and presentation of the disorder. Major theoretical and evidence-based best practice approaches to treatment and rehabilitation are examined with interventions for both acute and persisting forms of the disorder being presented.

Textbooks

Relevant readings provided

REHB5066

Chronic Pain & Rehabilitation Management

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** Online, 1-day workshop **Prohibitions:** REHB5036 Chronic Pain in Rehabilitation, REHB3066 Chronic Pain: Disability and Rehab **Assessment:** Active participation in online discussion and case study analysis (20%), online exam (30%), 3000 word in-depth analysis of client management and chronic pain (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Chronic non-cancer pain is a disabling phenomenon and a significant challenge for health professionals. Theories of chronic pain will be presented and students will engage in contemporary research relating to chronic pain management. Current innovations in treatment in this area will be explored. Students will also look at different outcome measures including quality of life. Interdisciplinary team approaches to planning client management will be investigated. The unit will also look at the importance of self-management for the health professional to reduce the risks of burnout in working with this population of clients.

Textbooks

Text to be confirmed with additional readings

REHB5067

Multicultural Rehabilitation Management

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** Distance education, 1-6hr compulsory on-campus workshop **Prohibitions:** REHB5024 Rehabilitation of Persons from NESB, REHB3070 Ethnic Minorities and Disability **Assessment:** Multiple choice and short answer exam (20%), 1-day compulsory on-campus workshop with analytical report (30%), 3000 word in-depth analysis of issues relating to topic (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Working in multicultural environments poses significant challenges for health professionals. Differing cultural attitudes towards disability, injury and pain will be presented along with issues surrounding torture and trauma. Students will be presented with contemporary counselling and rehabilitation management techniques to aid in working with this client population and have the opportunity to attend a dynamic on-campus workshop to enhance their practical counselling skills. Students will also look at motivational techniques for working with clients and issues surrounding goal setting and employment. The unit will also look at the importance interdisciplinary team approaches to

client management and innovative rehabilitation management techniques.

Textbooks

Readings provided/text to be confirmed

REHB5068

Public Offenders: Aspects of Rehab

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** On-campus: 2hr lecture, tutorial/fortnight; Distance education mode with attendance option of occasional on-campus workshop or seminar **Prohibitions:** REHB5016 Rehabilitation of Public Offenders, REHB3062 Public Offenders: Criminality & Rehab **Assessment:** 2000 word report on criminality and incarceration issues (40%), 2500 word essay: an assessment/analysis of the issues relating to the practical application of rehabilitation versus correctional policy (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit introduces students to issues relating to the management of public offenders for both adults of young offenders. Students will consider the major theories of criminality and their implications for rehabilitation in correctional settings. They will examine and comment on the different approaches to males/females/young offenders. Attention will be paid to incarceration policy and issues relating to those with mental health problems and with problems of addiction. Students will also be introduced to the range of correctional alternatives within and outside jails, e.g., community service options, weekend jail, work release and probation and parole, etc. In addition, students will examine the role of professionals in and out of jails. They will examine and assess the role of health professionals in the area of addiction, mental health, and HIV counselling within the jail system and the ethical issues surrounding these services. Also covered will be the role of health service professionals working with offenders in non-jail programs: e.g., probation and parole, community service and civil rehabilitation.

Textbooks

Readings provided

REHB5069

Rehabilitation of Alcohol & Drug Misuse

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1 **Classes:** On-campus: 2hr lecture, tutorial/fortnight; Distance education mode with attendance of occasional workshop or seminar **Prohibitions:** REHB5014 Rehabilitation and Substance Abuse, REHB3064 Alcohol and Drug Misuse Rehabilitation **Assessment:** 2000 word policy analysis and report (40%), 2500 word essay, rehabilitation/therapeutic program comparison and analysis (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit introduces students to issues relating to a major contemporary social and community health problem; the misuse of alcohol and other addictive drugs - both licit and illicit. Two major areas will be examined: a) issues relating to the development of health promotion and preventative health policy relating to the abuse of drugs. This will cover current debates relating to harm minimisation and associated legal and ethical considerations regarding illicit substances; and b) an examination and analysis of the varying approaches to treatment and rehabilitation for drug addiction. The unit will introduce students to current debates relating to public health policy approaches to addiction giving due consideration to the complications of illegality. Students will be required to report on the value and effectiveness of current harm minimisation practices; e.g., needle sharing programs, needle injecting facilities, methadone maintenance. Students will be asked to examine and report on the practical effectiveness and moral and ethical considerations surrounding the operation of such programs and possible alternatives. In the second half of the unit students will consider the effectiveness and community acceptance of the various established rehabilitation and treatment programs. This will include research into programs such as Alcoholic and Narcotic Anonymous, Therapeutic Communities, and the range of professionally-based therapeutic counselling approaches. The role of health professionals in these programs will also be examined.

Textbooks

Readings provided

REHB5070

Vocational Development and Counselling

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** On-campus: 1hr tutorial/week, 1-day intensive workshop; Distance education: no on-campus attendance required **Prohibitions:** REHB5044 Vocational Development and Counselling **Assessment:** Take-home exam (25%), on-line exam (25%), 2500 word practical report writing exercise (50%) **Practical field work:** Exercises included in subject materials and in online web page **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

The subject initially introduces students to the field of vocational development and career decision making. Students are then provided with a framework upon which to base vocational counselling activities with clients. Students are guided through the process of assisting individuals, including those with disabilities, to make new career decisions. Resources (including tests, activities and questionnaires) essential for providing effective vocational planning and counselling services to clients are also explored with and demonstrated to students. The subtleties of vocational test interpretation are also explained to students. Students are introduced to vocational report writing formats. The unit of study focuses on meeting the specific core competency requirements as set out in Core Competencies 9 (Vocational Assessment) and 10 (Vocational Counselling) by the Australian Society of Rehabilitation Counsellors.

Textbooks

Recommended readings provided

REHB5071

Work Injury and Workers' Compensation

Credit points: 6 **Teacher/Coordinator:** Dr Toni Schofield and Dr Phillip Bohle **Session:** Semester 1 **Classes:** Two half-day workshops **Prohibitions:** REHB5046 **Assessment:** Two 2500 word essays (2x50%) or one 5000 word essay (100%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The focus of this subject is twofold. First it examines the pattern of workplace injury, disability and fatality in Australia, and explores its relationship to the organisation and dynamics of Australian industry, the labour market and state regulation, including the law and public administration. Secondly, the subject analyses workers' compensation systems as the major social mechanism for managing workplace injury. Here students will be introduced to the history and development of workers' compensation in Australia and its operation in present-day contexts. Students will be encouraged to develop a critical understanding of the role of key stakeholders and public institutional mechanisms in shaping workers' compensation policies and services.

REHB5072

Applied Counselling and Case Management

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 2 **Classes:** Web-based learning, CD-ROM, distance learning packages, interactive online discussion forums and email support, On campus: 2hr lecture/fortnight, 1-day intensive workshop **Prerequisites:** REHB5076 Introductory Rehabilitation Counselling **Prohibitions:** REHB5049 Rehabilitation Counselling B and REHB5051 Rehabilitation and Case Management **Assessment:** Applied Counselling: 2000 word counselling essay (50%); Case Management: two take-home exams (2x25%) **Practical field work:** Non-compulsory workshop. Online exercises within the unit of study. Taped interview demonstration **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

The unit covers aspects of the ASORC Core Competency 12: Counselling. Advanced counselling microskills in a problem solving approach are studied and practised. Application of these skills to the rehabilitation context is a major focus, for example, in adjustment to disability, vocational counselling and occupational rehabilitation case management. Students are introduced to action-based counselling theory and techniques as applied to rehabilitation counselling. Solution Focused Brief Therapy is also introduced to augment students' skills base. Students are required to undertake a taped counselling interview and self-critique as part of assessment. The unit is also focused on the (ASORC) Core Competency 4: Case and Caseload Management. Students are exposed to both the theoretical and practical aspects of managing individual clients and a caseload of clients through a rehabilitation process. Issues addressed in this unit are: how to determine appropriate assessments, how to draw up individual

rehabilitation plans, how to monitor and document progress in rehabilitation and the negotiation skills needed to work with a variety of rehabilitation providers. Strategies to be an effective and efficient manager of clients within a human service environment are also discussed.

Textbooks

Ivey A, *Intentional Interviewing and Counseling: Facilitating Client Development in a Multicultural Society* (latest edition)
Corey G, *Theory and Practice of Counseling and Psychotherapy* (latest edition)

REHB5073

Client Assessment and Job Placement

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** On-campus: 1hr tutorial/week, 1-day intensive workshop; Distance education: no on-campus attendance required **Prerequisites:** REHB5070 Vocational Development and Counselling **Prohibitions:** REHB5050 Client Assessment and Job Placement **Assessment:** Take-home exam (30%), on-line exam (40%), 2000 word practical job placement exercise (30%) **Practical field work:** Non-compulsory workshop, exercises within the unit of study **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

The foci of this unit of study are the Australian Society of Rehabilitation Counsellors (ASORC) Core Competencies 9 (Vocational assessment) and 11 (Vocational Training and Placement). This unit canvasses the various methods used to both assess the client's suitability for particular types of work and the extent to which different jobs can accommodate the differing post disability capacities of clients. The applicability of differing assessment methods to different client populations will be discussed. The ability to accurately assess the rehabilitation client's potential for re-entry to the labour market is the focus of this unit of study. Interpretation skills for tests of ability and aptitude will be taught. Students are also taught how to actively engage with the labour market. Negotiation with employers and job development skills will also be discussed. They will learn to assess job opportunities and analyse labour market information in order to more accurately assess the likelihood of clients securing work in the job options generated in the vocational rehabilitation process. Formats for the writing of labour market analysis reports will also be provided.

Textbooks

Relevant readings provided

REHB5074

Professional Practice A

Credit points: 6 **Teacher/Coordinator:** Ms Michelle Alber **Session:** Semester 1, Semester 2 **Classes:** 1-day workshop **Prohibitions:** REHB5048 Field Experience I, REHB5054 Field Experience II **Assumed knowledge:** University of Sydney Code of Conduct **Assessment:** Short answer log book responses on WebCT (40%), satisfactory performance in meeting-agreed learning outcomes for the placement (60%). This will be determined by the supervisor's evaluation, student assessment tasks and monitored progress through agreed goals **Practical field work:** Students are required to complete the equivalent of 175hrs of practical placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 c) the Health Records and Information Privacy Act, 2004

This unit of study has one 5 week block placement in a professional setting (or 175 hours in part time, individual or group work) which integrates theoretical learning with off-campus, supervised practical learning. It provides students with the opportunity to consolidate and further develop theoretical knowledge and skills which they have gained on campus. It allows students an opportunity to further develop their own attitudes towards people with disabilities as well as professional rehabilitation counselling competencies in both traditional and specialised areas of practice.

Textbooks

Online manual is provided with WebCT access

REHB5075

Avocational Rehab Management

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus: 1hr tutorial/week; Distance education: no on-campus attendance required **Prohibitions:**

REHB3039 Avocational Rehabilitation **Assessment:** In-depth case study analysis including detailed resource folder (50%), 3000 word essay (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

People whose injuries or disabilities hinder their ability to engage in vocational activities pose challenges for mainstream case management programs. This unit will explore key issues in the provision of non-vocational programs and long-term rehabilitation management for people with disabilities. Students will be presented with a range of innovative interdisciplinary rehabilitation management techniques in working with this group. Students will have the opportunity to explore disability areas of interest and examine a range of activities including leisure, sport and social skills programs that will be suitable for their chosen disability area. The unit will also cover areas of rural and remote disability management programs.

Textbooks

Readings provided

REHB5076

Introductory Rehabilitation Counselling

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 1 **Classes:** On-campus: 2hr introductory lecture/week, three half-day workshops. Web-based learning, CD-ROM, distance learning packages, interactive online discussion forums and email support **Prohibitions:** REHB5043 Rehabilitation Counselling A **Assessment:** On-line exam (30%), 2000 word essay (20%), taped interview demonstration, 2000 word critique report (50%) **Practical field work:** Non-compulsory workshop. Online exercises within the unit of study. Taped interview demonstration **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit of study facilitates students' acquisition of the Australian Society of Rehabilitation Counsellors (ASORC) Core Competencies 12: Counselling. Values, attitudes and the philosophy of counselling are introduced. Counselling micro skills are studied and practiced as applied to the role of the rehabilitation counsellor. This unit also covers analytic, experiential and relationship-oriented counselling theories and techniques in the context of their application to rehabilitation counselling client populations. Students are required to undertake a counselling interview and self-critique as part of the assessment.

Textbooks

Ivey A, *Intentional Interviewing and Counseling: Facilitating Client Development in a Multicultural Society* (latest edition)
Corey G, *Theory and Practice of Counseling and Psychotherapy* (latest edition)

REHB5077

Psychiatric Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** On-campus: 2hr tutorial/fortnight; Distance education: no on-campus attendance required **Prohibitions:** REHB5042 Psychiatric Rehabilitation **Assessment:** Take-home exam (40%), 3500 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

This unit is designed to introduce the student to psychiatric rehabilitation, an interprofessional approach for working with people with mental illness. Areas covered in this unit include the philosophy of psychiatric rehabilitation, its goals, values and guiding principles. Aspects of rehabilitation management and service provision are included.

REHB5078

Rehab Counselling Dissertation A

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 1, Semester 2 **Classes:** On-campus: twelve 1hr tutorials, one 2hr statistics seminar, 2 workshops/semester, individual consultations. Distance education: no on-campus attendance required **Prohibitions:** REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation **Assessment:** Research presentation (50%), 3000 word literature critique (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 2.

The dissertation provides students with an opportunity to undertake an advanced investigation in a topic or issue relevant to rehabilitation counselling research and/or practice through the development of a substantial paper that demonstrates the application of scholarly

literature to a practical problem or issue. This unit addresses the first part of the dissertation. Students undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.

REHB5079

Perspectives on Rehab Legislation

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** On-campus: ten 2hr lectures; Distance education: no on-campus attendance required **Prerequisites:** REHB5072 Applied Counselling and Case Management **Assessment:** Take-home exam (35%), take-home exam (30%), 2000 word assignment including case study (35%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

Students are exposed to the critical sections of the major accident compensation schemes in the State of New South Wales (WorkCover, Motor Accident Act). Reference is made to the relevant sections of the Acts which impact on rehabilitation service. Other services available through the schemes to support the legislation and its requirements are also discussed. Students are to be made familiar with the coding and costing of rehabilitation service under the Acts. Current best practice in injury management and service provision is a major focus. Students will also become familiar with the Employment and Workplace Relations Legislation Amendment (Welfare to Work and Other Measures) Act, 2005. Particular reference will be made to the Business Model incorporated in this Act. Specific attention will be paid to rehabilitation, strategies, services, requirements and obligations in place under this Act for those people affected by a disability or who are disadvantaged. Students address the role of Australian anti-discrimination and guardianship legislation in terms of equity, rehabilitation and quality of life for people with disabilities.

Textbooks

Relevant readings provided

REHB5080

Professional Practice B

Credit points: 6 **Teacher/Coordinator:** Ms Michelle Alber **Session:** Semester 1, Semester 2 **Classes:** 1-day workshop **Assumed knowledge:** The University of Sydney Code of Conduct **Assessment:** Short answer log book responses on WebCT (40%), satisfactory performance in meeting agreed learning outcomes for the placement (60%). This will be determined by the supervisor's evaluation, student assessment tasks and monitored progress through agreed goals **Practical field work:** Students are required to complete the equivalent of 175hrs of practical placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students will be approved to undertake field placement by obtaining a) criminal record check, b) signing the Prohibited Employment Declaration Child Protection (Prohibited Employment) Act 1998 and c) the Health Records and Information Privacy Act, 2004

This unit of study has one 5 week block placement in a professional setting (or 175 hours in part time, individual or group work) which integrates theoretical learning with off-campus, supervised practical learning. It provides students with the opportunity to consolidate and further develop theoretical knowledge and skills which they have gained on campus. It allows students an opportunity to further develop their own attitudes towards people with disabilities as well as professional rehabilitation counselling competencies in both traditional and specialised areas of practice.

Textbooks

Online manual is provided with WebCT access

REHB5081

Rehab Counselling Dissertation B

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 1, Semester 2 **Classes:** Individual consultation **Prerequisites:** REHB5078 Rehab Counselling Dissertation A **Prohibitions:** REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation **Assessment:** 6000 word research paper (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 1.

The dissertation provides students with an opportunity to undertake an advanced investigation in a topic or issue relevant to rehabilitation counselling research and/or practice through the development of a

substantial paper that demonstrates the application of scholarly literature to a practical problem or issue. This unit addresses the second part of the dissertation. Students further analyse and interpret published scholarly materials concerning the topic and consider the implications of findings for rehabilitation service delivery and further research.

SEXH5008

Sex and Society

Credit points: 2 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Shailendra Sawleshwarkar, Dr Damian Conway **Session:** Semester 2b **Classes:** 2 hours of lectures per week, half semester, which can be taken either face-to-face or online. AusAID students must enrol into the face-to-face version **Assessment:** written assignment (50%), online discussion (30%), online quiz (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit will explore the social, psychological and political determinants of sexuality, with particular reference to their potential impacts on public health. It is available in both online and face-to-face modes. Particular emphasis will be placed on the impact of culture, tradition, society, environment, life experiences, personal beliefs and health on sexual activity. Policy and legislative responses to sexual activity will be discussed, with regards to the consequences of sexual activity and methods for determining the effectiveness of such responses. Course content will include population studies on sexual behaviour; historical perspectives; variants of sexuality (including adolescence, prisoners, multicultural aspects, the elderly, disability, homosexuality and transgender issues); sexual dysfunction and counselling; commercial sex work; sex education; sexual assault, health promotion and ethical and legal aspects.

SEXH5101

Public Health Aspects of STDs

Credit points: 2 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** S2 Intensive, Semester 2a **Classes:** Semester 2a: 2 hours of lectures per week, half semester, which can be taken either face-to-face or online; Semester 2a Intensive: compulsory attendance at a teaching day in week 4 and attendance at 2 hours of lectures per week, half semester, taken face-to-face for 4 weeks **Assessment:** written assignment and online quizzes (50%) **Assessment:** written assignment (50%) and online quizzes (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to provide a public health perspective of the community impact of sexually transmitted infections (STIs). It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor STIs; the core risk activity groups involved in the transmission of STIs; how the epidemiologies of STIs vary within and between societies; the public health impacts of STIs; and effective preventative strategies at individual and community levels. Course content will include an introduction to the basic biology of STIs; epidemiology and surveillance methods; STI service delivery considerations; STI/HIV interactions, travellers' sexual health; health promotion for STIs; policy approaches and ethical & legal issues.

SEXH5102

Public Health Aspects of HIV/AIDS

Credit points: 2 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 2b **Classes:** 2 hours of lectures per week, half semester, which can be taken either face-to-face or online. AusAID students must enrol in the face-to-face version. **Assessment:** written assignment (50%) and online quizzes (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit aims to provide a public health perspective of the impact of HIV infection. It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor HIV infection; the core risk activity groups involved in the transmission of HIV; how the epidemiology of HIV infection varies within and between societies; the public health impacts of HIV infection; and effective prevention strategies. Course content will include an introduction to the basic science of HIV infection; epidemiology and surveillance; sexual blood

borne and mother to child transmission; STI/HIV interactions; other methods of transmission; health promotion for HIV; government perspectives and ethical and legal issues.

SEXH5109

Introduction to STIs & HIV

This unit of study is not available in 2011

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 1 **Classes:** online - synchronous and asynchronous on-line discussions will be held at times convenient to the students **Prerequisites:** Core units of Graduate Program of Sexual Health **Assessment:** on-line quizzes, case-based small group work assignments and individual activity reports. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit aims to introduce the basic social, public health and medical aspects of the common sexually transmissible infections (STIs) and infection with Human Immunodeficiency Virus (HIV).

Individual modules addressing the key areas will be presented, with associated reading materials and exercises. A systematic approach is used, enabling the student to understand the basic principles of how STIs and HIV impact on society, present to clinical services and how they are managed in a variety of settings.

SEXH5205

Advanced Adolescent Sexual Health

Credit points: 6 **Teacher/Coordinator:** Dr Melissa Kang **Session:** Semester 2 **Classes:** fully online **Prohibitions:** SEXH5204 **Assessment:** continuous assessment including participation in group discussion, short answer questions, 1000 word assignments plus 2500 word essay or field report. **Campus:** Westmead **Mode of delivery:** On-line

Note: Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.

This unit aims to introduce the constructs of adolescent sexuality, explore the determinants of adolescent sexual health and to discuss the personal and public health implications of adolescent sexuality, with additional emphasis on a deeper exploration of an area of adolescent sexual health that is of particular interest to the student.

At the end of this unit of study, students will be able to describe the biological, developmental and socio-cultural contexts of adolescent sexual health as well as the constructs, challenges and diversities of adolescent sexuality. They will learn techniques used to optimize communication with adolescents and explore legal, ethical and public health implications of adolescent sexuality. They will also understand and describe one area of adolescent sexual health that the student chooses to study in depth from a list of suggestions.

The course is taught fully online using a range of assessments including group discussion, short answer questions and discussions based on case scenarios. It is divided into 6 modules: adolescent sexuality, adolescent sexual health, reproductive health issues in adolescence, diversity, legal and ethical issues and sexual health promotion.

SEXH5206

Diagnostic Methods in Sexual Health

Credit points: 6 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 1 **Classes:** Semester 1: blended online with a compulsory one week laboratory practical session towards the end of the course will compliment the online learning; Semester 1 Intensive: blended online - compulsory attendance at classes during week 4 and attendance at a compulsory one week laboratory practical session towards the end of the course **Assessment:** online quizzes (30%), case based presentations (20%), online discussion (10%) and a written exam (40%) at the end of the practicum **Campus:** Westmead **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment. Note: Students who are not enrolled in the STD/HIV program through the Faculty of Medicine must apply to Associate Professor Richard Hillman for permission to enrol in this unit of study.

This unit aims to introduce the student to the common methods used in the diagnosis and management of infections with the common Sexually Transmissible Infections (STIs), including HIV.

At the end of this unit, students will be able to understand the principles of Infection Control; methods used in diagnostic microbiology including specimen collection, storage and transport; specific diagnostic techniques and the interpretation of laboratory results; principle methods of detection for the following organisms: Chlamydia trachomatis, Candida albicans, genital mycoplasmas, Herpes simplex viruses, Human papillomaviruses, Molluscum contagiosum, Neisseria gonorrhoeae, Treponema pallidum, Trichomonas vaginalis, tropical genital ulcerating conditions and genital ectoparasites. Students will also be able to discuss methods used and interpretation of Hepatitis serology; laboratory aspects of syndromic management of vaginal discharge, urethral discharge, rectal discharge and prostatism; the diagnosis and management of HIV infection; the diagnosis of HIV-related opportunistic infections and tumours, and genital cytological assessment.

Course content will include reading materials and exercises. A compulsory intensive one week face-to-face lab practicum allows students to consolidate their theoretical knowledge.

21. Resolutions of the Senate and the Faculty

Resolutions of the faculty

Resolutions of the Faculty of Health Sciences for coursework awards

These resolutions apply to all undergraduate and postgraduate coursework award courses in the Faculty, unless specifically indicated otherwise. Students enrolled in postgraduate research awards should consult the resolutions for their course. These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the resolutions for the course of enrolment, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Part 1: Course enrolment

1 Enrolment restrictions

- (1) The Coursework Rule limits the maximum number of credit points students may take in any given semester. The Faculty does not encourage full time students to exceed the recommended enrolment patterns for its courses.
- (2) Except with the permission of the Dean, a student may not enrol in more than 30 credit points in any one semester. All other enrolment restrictions are as defined by the Coursework Rule.

2 Time limits

The Coursework Rule limits the time students may take to complete their course; part time students should ensure their enrolment pattern allows completion within the maximum time. The Rule also defines how time limits are affected by periods of suspension or absence.

3 Suspension, discontinuation and lapse of candidature

Suspension, discontinuation and lapse of candidature are governed in accordance with the Coursework Rule.

4 Credit for previous study

- (1) The Coursework Rule specifies the general conditions for the granting of credit for previous study to courses in this Faculty, except that credit will not be granted for recognised prior learning older than 5 years at the time of first enrolment.
- (2) The Faculty does not grant credit for units of study for which a result of Terminating Pass or Pass (Concessional) has been awarded.

Part 2: Unit of study enrolment

5 Cross-institutional study

- (1) Provided permission has been obtained in advance, the Dean may permit a student to complete a unit of study at another institution and have that unit credited to the student's course requirements, provided that:
 - (a) the unit of study content is not taught in any corresponding unit of study at the University; or
 - (b) the student is unable, for good reason, to attend a corresponding unit of study at the University.

- (2) Cross institutional study is regarded as another form of credit and will be counted as such when considering eligibility.
- (3) Credit granted on the basis of work completed at another university or institution under a cross-institutional program may not exceed 24 credit points, or half of the overall course requirements, whichever is lesser.
- (4) Credit granted on the basis of postgraduate study completed under a cross-institutional program at another institution other than a university may not exceed:
 - (a) 18 credit points for a master's degree;
 - (b) 12 credit points for a graduate diploma; and
 - (c) 6 points for a graduate certificate.

6 International exchange

The faculty encourages students to participate in international exchange programs, unless specified otherwise in the resolutions for a particular course. For more information refer to the International Office.

Part 3: Studying and Assessment

7 Attendance

- (1) Students are required to be in attendance at the correct time and place of any formal or informal examinations. Non attendance on any grounds insufficient to claim special consideration will result in the forfeiture of marks associated with the assessment. Participation in a minimum number of assessment items may be a requirement of any unit of study.
- (2) Students are expected to attend a minimum of 90% of timetabled activities for a unit of study, unless granted exemption by the Dean, head of school or professor most concerned. The Dean, head of school or professor most concerned may determine that a student fails a unit of study because of inadequate attendance. Alternatively, at their discretion, they may set additional assessment items where attendance is lower than 90%.

8 Late submission policy

- (1) It is expected that unless an application for special consideration has been approved, students will submit all assessment for a unit of study on the due date specified. If the assessment is completed or submitted within the period of extension, no academic penalty will be applied to that piece of assessment.
- (2) If a student does not seek an extension, or one is not granted by the academic staff member concerned, or is granted but work is submitted by the student after the extended due date, the late submission of assessment will result in an academic penalty as follows:
 - (a) For work submitted after the deadline but up to three calendar days late, a penalty of 20 per cent of the total mark awardable for the assignment will apply.
 - (b) For work submitted after 3 days and less than one week after the deadline, a penalty of 30 per cent of the total mark awardable for the assignment will apply.
 - (c) For work submitted more than one week late but less than two weeks after the deadline, a penalty of 40 per cent of the total mark awardable for the assignment will apply.
 - (d) Work submitted more than two weeks after deadline will not be assessed (Fail).



9 Special consideration for illness, injury or misadventure

Special consideration is a process that affords equal opportunity to students who have experienced circumstances that adversely impact their ability to adequately complete an assessment task in a unit of study. The Coursework Rule provides full details of the University policy. The procedures for applying for special consideration are described in each unit of study outline.

10 Concessional pass

In this Faculty the grade PCON (Concessional Pass) is not awarded.

11 Re-assessment

- (1) The Faculty does not offer opportunities for re-assessment other than on the grounds of approved Special Consideration.
- (2) Students who have successfully requested special consideration may be allowed to sit the exam or submit the required work at a negotiated date that should not be longer than the period of incapacitation and in any case not longer than 3 months after the original examination or submission date. After this time the student will be considered to have discontinued with permission. Marks will be awarded at full value for further examination where special consideration is approved.

Part 4: Progression, Results and Graduation

12 Progression in honours courses

Candidates for honours must maintain a credit average throughout the program.

13 Satisfactory progress

- (1) The Faculty will monitor students for satisfactory progress towards the completion of their award course. In addition to the common triggers used to identify students not meeting academic progression requirements (as set out in the provisions relating to progression in the Coursework Rule), students must pass any unit of study identified in the course resolutions as being critical to progression through the course. In addition, students must meet all requirements of off-campus clinical placement components of any unit of study undertaken. Performance in clinical placements will be monitored in accordance with the faculty's Clinical Progression Policy for Students.
- (2) Students must complete at least one core unit per semester where core units are available for study in the normal progression pattern. Students who fail a core unit of study must repeat the failed unit at the first opportunity.
- (3) Students whose conduct or work towards their award is unsatisfactory, may, on the recommendation of the head of the academic unit concerned, be refused permission by the Faculty to undertake or continue the clinical educational fieldwork/professional experience component of their award. The Faculty reserves the right not to place a student in any clinical placement or other professional experience setting in any instance where the performance, personal or professional conduct of the student does not meet the required standard of the professional organisation, regardless of the fact that the student may be enrolled in the unit of study.

14 Award of the bachelor's degree with honours

- (1) Honours is available to meritorious students as either appended honours or integrated honours. Admission to candidature and requirements for the honours courses are in accordance with the relevant course resolutions.
- (2) Honours is awarded in the following classes:

Description	Mark Range
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Description	Mark Range
Honours Class I	mark \geq 80
Honours Class II (Division 1)	75 \leq mark $<$ 80
Honours Class II (Division 2)	70 \leq mark $<$ 75
Honours Class III	65 \leq mark $<$ 70
Honours not awarded	mark $<$ 65

15 University medal

A student with an honours mark of 90 or above may be awarded a university medal. The medal is awarded at the discretion of the Faculty to the highest achieving students who in the opinion of the Faculty have an outstanding academic record, in accordance with the Coursework Rule.

16 Weighted average mark (WAM)

- (1) WAM's are used by the University as one indicator of performance. For example, WAM's may be used in assessing admission to and progression of honours, eligibility for prizes and scholarships, or assessing progression through a course. Unless another formula is specified for a particular purpose, the University WAM is used. The University WAM is calculated using the following formula:

$\text{WAM} = \frac{\text{sum}(Wc \times Mc)}{\text{sum}(Wc)}$
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where Wc is the unit of study credit points x the unit weighting and Mc is the mark achieved for the unit. The mark used for units with a grade AF is zero. Pass/ fail units and credited units from other institutions are not counted.

- (2) The weight of a unit of study is assigned by the owning faculty. In this Faculty, Junior units are weighted 1, Intermediate units are weighted 2, Senior units are weighted 3 and graduate units are weighted 4.

Part 5: Other

17 Requirements for students undertaking clinical placements

- (1) *Certificate of competency in CPR*
Students must have a current certificate of competency in Cardiopulmonary Resuscitation before enrolling in a course with a practicum placement requirement and must ensure that their certificate retains currency for the duration of their course.
- (2) *Student clearance for clinical placements*
The NSW Department of Health requires that all students obtain clearance in order to undertake clinical placements. This involves a criminal record check according to NSW Health policy. www.health.nsw.gov.au/jobs/student_clearance/index.asp
- (3) *Immunisation*
Students must have evidence of vaccinations and immunisation against certain infectious diseases prior to undertaking clinical placements. The requirements are consistent with Australian public health policy and NHMRC guidelines. www.immunise.health.gov.au/immunise/publications/Content/ handbook
- (4) *Prohibited employment declaration*
Students should complete a prohibited employment declaration as required by the NSW Commission for Children and Young People.
- (5) *NSW Health Records and Information Privacy Act (2002)*
Students must comply with the NSW Health Records and Information Privacy Act (2002). www.links.nsw.gov.au/links/privacy/nsw_links/pages/nsw_03_hipact

18 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who

commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.

- (2) Students who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Master of Diagnostic Radiography

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC131	Master of Diagnostic Radiography

2 Attendance pattern

The attendance pattern for this course is full time only.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Diagnostic Radiography requires a PhD, master's or bachelor's degree from an Australian institution or equivalent.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for Master of Diagnostic Radiography.
- (2) To qualify for the award of the Master of Diagnostic Radiography a candidate must complete 96 credit points of units of study, including:
 - (a) 90 credit points of core units; and
 - (b) 6 credit points of elective units, chosen either from the list of elective units in the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by any other faculty in the University.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Master of Exercise Physiology

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC149	Master of Exercise Physiology

2 Attendance pattern

The attendance pattern for this course is full time only.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Exercise Physiology requires the applicant to have a PhD, master's or bachelor's degree from an Australian institution or equivalent; and also to have extensive pre-existing knowledge in:
 - (a) human anatomy
 - (b) human or exercise physiology
 - (c) biomechanics/physics
 - (d) psychology/behavioural science and
 - (e) research design and statistics.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Exercise Physiology.
- (2) To qualify for the award of the Master of Exercise Physiology a candidate must complete 96 credit points of core units of study.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Master of Health Informatics

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC143	Master of Health Informatics

2 Attendance pattern

The attendance pattern for this course is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Health Informatics requires a PhD, master's or bachelor's degree from an Australian tertiary institution or equivalent.
- (3) Applicants without a degree in a health related area such as medicine, nursing, allied health or health sciences, must complete prescribed units of study as electives.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Health Informatics.
- (2) To qualify for the award of the Master of Health Informatics a candidate must complete 96 credit points of units of study, including:
 - (a) 72 credit points of core units; and
 - (b) 24 credit points of elective units, chosen either from the list of elective units in the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by other faculties in the University. Candidates who have not completed health-related undergraduate studies must complete two prescribed units of study listed in the Table.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Graduate Certificate of Health Science (Developmental Disability)

Master of Health Science (Developmental Disability)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as

amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SG028	Graduate Certificate of Health Science (Developmental Disability)
SC107	Master of Health Science (Developmental Disability)

2 Attendance pattern

The attendance pattern for these courses is full time or part time, according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence

- (1) The embedded courses in this sequence are:
 - (a) the Graduate Certificate of Health Science (Developmental Disability)
 - (b) the Master of Health Science (Developmental Disability)
- (2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of either of the courses in this sequence. Only the longest award completed will be conferred.

5 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Graduate Certificate of Health Science (Developmental Disability) and the Master of Health Science (Developmental Disability) requires:
 - (a) a bachelor's degree with a credit average from the University of Sydney, in a discipline related to the course specialisation, or an equivalent qualification; or
 - (b) general and professional qualifications and/or experience that will satisfy the Dean that the applicant possesses the educational preparation and capacity to pursue postgraduate studies; or
 - (c) in the case of the Master's degree, completion of the embedded Graduate Certificate of Health Science (Developmental Disability) from the University of Sydney, or an equivalent qualification.

6 Requirements for award

- (1) The units of study that may be taken for these awards are set out in the Faculty of Health Sciences Table of units of study for the Graduate Certificate / Master of Health Science (Developmental Disability).
- (2) To qualify for the award of the Graduate Certificate of Health Science (Developmental Disability) a candidate must complete 24 credit points of units of study, comprising:
 - (a) 6 credit points of core units listed in the Developmental Disability Table; and
 - (b) 18 credit points of elective units, including a minimum of 12 credit points of units chosen from the Developmental Disability Table and a maximum of 6 credit points of elective units, chosen, with the approval of the Dean, from other postgraduate units offered in the Faculty or by other faculties in the University.

- (3) To qualify for the award of the Master of Health Science (Developmental Disability) a candidate must complete 48 credit points, comprising:
- 6 credit points of core units listed in the Developmental Disability Table; and
 - 42 credit points of elective units, including a minimum of 24 credit points of units chosen from the Developmental Disability Table and a maximum of 18 credit points of elective units, chosen, with the approval of the Dean, from other postgraduate units offered in the Faculty or by other faculties in the University.

7 Course transfer

A candidate for the master's degree may elect to discontinue study and graduate with the shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements for the shorter award have been met.

8 Transitional provisions

- These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Graduate Certificate of Health Science (Exercise and Sport Science)

Graduate Diploma of Health Science (Exercise and Sport Science)

Master of Exercise and Sport Science

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SG026	Graduate Certificate of Health Science (Exercise and Sport Science)
SF054	Graduate Diploma of Health Science (Exercise and Sport Science)
SC155	Master of Exercise and Sport Science

2 Attendance pattern

The attendance pattern for these courses is full time or part time, according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

- The embedded courses in this sequence are:
 - the Graduate Certificate of Health Science (Exercise and Sport Science)
 - the Graduate Diploma of Health Science (Exercise and Sport Science)
 - the Master of Exercise and Sport Science
- Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of any of the courses in this sequence. Only the longest award completed will be conferred.

5 Admission to candidature

- Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- Admission to candidature for the Graduate Certificate of Health Science (Exercise and Sport Science), the Graduate Diploma of Health Science (Exercise and Sport Science) and the Master of Exercise and Sport Science requires an Australian bachelor's degree in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields (or overseas equivalent). A background in anatomy or biomechanics and physiology is essential.

6 Requirements for award

- The units of study that may be taken for these awards are set out in the Faculty of Health Sciences Table of units of study for the Graduate Certificate / Graduate Diploma of Health Science (Exercise and Sport Science), Master of Exercise and Sport Science.
- To qualify for the award of the Graduate Certificate of Health Science (Exercise and Sport Science) a candidate must complete 24 credit points of units of study, including:
 - 6 credit points of core units from the Exercise and Sport Table; and
 - 18 credit points of elective units, chosen from the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by other faculties in the University.
- To qualify for the award of the Graduate Diploma of Health Science (Exercise and Sport Science) a candidate must complete 36 credit points of units of study, including:
 - 6 credit points of core units from the Exercise and Sport Table; and
 - 30 credit points of elective units, chosen from the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by other faculties in the University.
- To qualify for the award of the Master of Exercise and Sport Science a candidate must complete 48 credit points of units of study, including:
 - 6 credit points of core units from the Exercise and Sport Table; and
 - 42 credit points of elective units, chosen from the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by other faculties in the University.

7 Course transfer

A candidate for the Master's degree or Graduate Diploma may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

8 Transitional provisions

- These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.

- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Graduate Certificate of Health Science (Medical Radiation Sciences)

Graduate Diploma of Health Science (Medical Radiation Sciences)

Master of Health Science (Medical Radiation Sciences)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SG024	Graduate Certificate of Health Science (Medical Radiation Sciences)
SF053	Graduate Diploma of Health Science (Medical Radiation Sciences)
SC077	Master of Health Science (Medical Radiation Sciences)

2 Attendance pattern

The attendance pattern for the Master's degree and Graduate Diploma courses is full time or part time, according to candidate choice; for the Graduate Certificate it is part time only.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

- (1) The embedded courses in this sequence are:
- the Graduate Certificate of Health Science (Medical Radiation Sciences)
 - the Graduate Diploma of Health Science (Medical Radiation Sciences)
 - the Master of Health Science (Medical Radiation Sciences)
- (2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of any of the courses in this sequence. Only the longest award completed will be conferred.

5 Admission to candidature

- Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- Admission to candidature for the Graduate Certificate of Health Science (Medical Radiation Sciences), the Graduate Diploma of Health Science (Medical Radiation Sciences) and the Master of Health Science (Medical Radiation Sciences) requires:
 - a bachelor's degree in a relevant field; or

- other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue postgraduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.
 - in the case of the Graduate Diploma, completion of the embedded Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or an equivalent qualification; or
 - in the case of the Master's degree, completion of the embedded Graduate Diploma of Health Science (Medical Radiation Sciences) from the University of Sydney, or an equivalent qualification; or
- (3) Students who entered the Graduate Certificate or Graduate Diploma of Health Science (Medical Radiation Sciences) with an undergraduate diploma or less will be required to achieve at least a credit average to be able to articulate to the Master of Health Science (Medical Radiation Sciences).

6 Requirements for award

- The units of study that may be taken for these awards are set out in the Faculty of Health Sciences Tables of units of study for the Graduate Certificate / Graduate Diploma / Master of Health Science (Medical Radiation Sciences).
- To qualify for the award of the Graduate Certificate of Health Science (Medical Radiation Sciences) a candidate must complete 24 credit points of elective units of study comprising:
 - 18 credit points of elective units chosen from the Table; and
 - 6 credit points of elective units, chosen from the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences, by other faculties in the University or from outside the University.
- To qualify for the award of the Graduate Diploma of Health Science (Medical Radiation Sciences) a candidate must complete 36 credit points of units of study comprising:
 - 6 credit points of core units listed in the Table;
 - 12 credit points of elective units chosen from the Table; and
 - 18 credit points of elective units chosen from the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences, by other faculties in the University or from outside the University.
- To qualify for the award of the Master of Health Science (Medical Radiation Sciences) a candidate must complete 48 credit points of units of study comprising:
 - 6 credit points of core units listed in the Table;
 - 24 credit points of elective units chosen from the Table; and
 - 18 credit points of elective units chosen from the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences, by other faculties in the University or from outside the University.

7 Course transfer

A candidate for the Master's degree or Graduate Diploma may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

8 Transitional provisions

- These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative

requirements for completion of candidatures that extend beyond this time.

(Sexual Health) from the University of Sydney, or an equivalent qualification.

Graduate Certificate of Health Science (Sexual Health)

Graduate Diploma of Health Science (Sexual Health)

Master of Health Science (Sexual Health)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SG030	Graduate Certificate of Health Science (Sexual Health)
SF057	Graduate Diploma of Health Science (Sexual Health)
SC109	Master of Health Science (Sexual Health)

2 Attendance pattern

The attendance pattern for these courses is full time or part time, according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

- (1) The embedded courses in this sequence are:
 - (a) the Graduate Certificate of Health Science (Sexual Health)
 - (b) the Graduate Diploma of Health Science (Sexual Health)
 - (c) the Master of Health Science (Sexual Health)
- (2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of any of the courses in this sequence. Only the longest award completed will be conferred.

5 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Graduate Certificate of Health Science (Sexual Health), the Graduate Diploma of Health Science (Sexual Health) and the Master of Health Science (Sexual Health) requires:
 - (a) a bachelor's degree from the University of Sydney, in a discipline related to the course specialisation, or an equivalent qualification; or
 - (b) general and professional qualifications and/or experience that will satisfy the Dean that the applicant possesses the educational preparation and capacity to pursue postgraduate studies; or
 - (c) in the case of the Graduate Diploma, completion of the embedded Graduate Certificate of Health Science (Sexual Health) from the University of Sydney, or an equivalent qualification; or
 - (d) in the case of the Master's degree, completion of the embedded Graduate Diploma of Health Science

6 Requirements for award

- (1) The units of study that may be taken for these courses are set out in the Faculty of Health Sciences Table of units of study for the Graduate Certificate / Graduate Diploma / Master of Health Science (Sexual Health).
- (2) To qualify for the award of the Graduate Certificate of Health Science (Sexual Health) a candidate must complete 24 credit points of units of study comprising:
 - (a) 12 credit points of core units; and
 - (b) 12 credit points of elective units.
- (3) To qualify for the award of the Graduate Diploma of Health Science (Sexual Health) a candidate must complete 36 credit points of units of study comprising:
 - (a) 18 credit points of core units; and
 - (b) 18 credit points of elective units.
- (4) To qualify for the award of the Master of Health Science (Sexual Health) a candidate must complete 48 credit points of units of study comprising:
 - (a) 30 credit points of core units; and
 - (b) 18 credit points of elective units.

7 Course transfer

A candidate for the Master's degree or Graduate Diploma may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

8 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Master of Molecular Imaging

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC157	Master of Molecular Imaging

2 Attendance pattern

The attendance pattern for these courses is full time or part time, according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Molecular Imaging requires successful completion of a relevant Bachelors degree or equivalent from a recognised tertiary institution with a minimum credit (65%) average. A relevant bachelor degree includes a Bachelor of Science, Bachelor of Medical Science, Bachelor of Pharmacy, Bachelor of Engineering (Electrical), Bachelor of Engineering (Biomedical) or Bachelor of Computer Science and Technology from the University of Sydney, or an equivalent qualification.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Molecular Imaging.
- (2) To qualify for the award of the Master of Molecular Imaging a candidate must complete 48 credit points of units of study comprising:
 - (a) 24 credit points of core units and 24 credit points of industry pathway units of study for candidates undertaking the industry pathway; or
 - (b) 24 credit points of core units and 24 credit points of research pathway units of study for candidates undertaking the research pathway.

6 Cross-institutional study

Credit granted on the basis of postgraduate study completed under a cross-institutional program at another university or institution may not exceed 24 credit points.

7 Transitional provisions

These resolutions apply to students who commenced their candidature after 1 January, 2011.

Master of Nuclear Medicine

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC133	Master of Nuclear Medicine

2 Attendance pattern

The attendance pattern for this course is full time only.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.

- (2) Admission to candidature for the Master of Nuclear Medicine requires a PhD, master's or bachelor's degree from an Australian institution or equivalent.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Nuclear Medicine.
- (2) To qualify for the award of the Master of Nuclear Medicine a candidate must complete 96 credit points of units of study comprising:
 - (a) 90 credit points of core units; and
 - (b) 6 credit points of elective units, chosen either from the list of elective units in the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by any other faculty in the University.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Master of Occupational Therapy

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC141	Master of Occupational Therapy

2 Attendance pattern

The attendance pattern for this course is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Occupational Therapy requires a PhD, master's or bachelor's degree from an Australian institution or equivalent. Applicants without a degree in a health related area such as medicine, nursing, allied health or health sciences or human functioning (education, anthropology, anthropometrics, built environment) must complete prescribed units of study in anatomy and/or psychology as electives.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Occupational Therapy.
- (2) To qualify for the award of the Master of Occupational Therapy a candidate must complete 96 credit points of units of study, including:
 - (a) 90 credit points of core units; and
 - (b) 6 credit points of elective units, chosen either from the list of elective units in the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by any other faculty in the University.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016, or later date as the faculty may, in special circumstances, approve.

Master of Orthoptics

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC110	Master of Orthoptics

2 Attendance pattern

The attendance pattern for this course is full time or part time, according to candidate choice.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Orthoptics requires a PhD, master's or bachelor's degree from an Australian institution or equivalent.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Orthoptics.
- (2) To qualify for the award of the Master of Orthoptics a candidate must complete 96 credit points of core units of study.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016, or later date as the faculty may, in special circumstances, approve.

Master of Physiotherapy

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC104	Master of Physiotherapy

2 Attendance pattern

The attendance pattern for this course is full time only.

3 Master's type

This master's degree is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Physiotherapy requires the applicant to have a PhD, master's or bachelor's degree from an Australian institution or equivalent and to have extensive pre-existing knowledge in the following nine areas:
 - (a) human anatomy
 - (b) human physiology
 - (c) neuroscience
 - (d) biomechanics
 - (e) psychology
 - (f) motor performance and learning
 - (g) research design and statistics
 - (h) measurement of human performance
 - (i) exercise physiology (desirable but not essential)

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Physiotherapy.
- (2) To qualify for the award of the Master of Physiotherapy a candidate must complete 96 credit points of core units of study.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.

- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Master of Radiation Therapy

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SC135	Master of Radiation Therapy

2 Attendance pattern

The attendance pattern for this course is full time only.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Master of Radiation Therapy requires a bachelor's degree from the University of Sydney, in a health-related discipline, or an equivalent qualification.

5 Requirements for award

- (1) The units of study that may be taken for this course are set out in the Table of Units of Study for the Master of Radiation Therapy.
- (2) To qualify for the award of the Master of Radiation Therapy a candidate must complete 96 credit points of units of study comprising:
 - (a) 90 credit points of core units; and
 - (b) 6 credit points of elective units, chosen either from the list of elective units in the Table or, with the approval of the Dean, from any postgraduate units offered by the Faculty of Health Sciences or by any other faculty in the University.

6 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Graduate Diploma in Rehabilitation Counselling

Master of Rehabilitation Counselling

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SF061	Graduate Diploma in Rehabilitation Counselling
SC147	Master of Rehabilitation Counselling

2 Attendance pattern

The attendance pattern for these courses is full time or part time, according to candidate choice.

3 Master's type

The master's degree in these resolutions is a professional master's courses, as defined by the Coursework Rule.

4 Embedded courses in this sequence

- (1) The embedded courses in this sequence are:
 - (a) the Graduate Diploma in Rehabilitation Counselling
 - (b) the Master of Rehabilitation Counselling
- (2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of either of the courses in this sequence. Only the longest award completed will be conferred.

5 Admission to candidature

- (1) Available places will be offered to qualified applicants based on academic merit, according to the following admissions criteria.
- (2) Admission to candidature for the Graduate Diploma in Rehabilitation Counselling requires a PhD, master's or bachelor's degree from an Australian institution or equivalent.

6 Requirements for award

- (1) The units of study that may be taken for these courses are set out in the Table of Units of Study for the Graduate Diploma / Master of Rehabilitation Counselling.
- (2) To qualify for the award of the Graduate Diploma in Rehabilitation Counselling a candidate must complete 48 credit points of core units of study.
- (3) To qualify for the award of the Master of Rehabilitation Counselling a candidate must complete 96 credit points of units of study comprising:
 - (a) 84 credit points of core units; and
 - (b) 12 credit points of elective units, chosen from the Table.

7 Course transfer

A candidate for the master's degree may elect to discontinue study and graduate with the shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements for the shorter award have been met.

8 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Master of Applied Science

1 Course codes

Code	Course title
SC108	Master of Applied Science

2 Master of Applied Science

- (1) The master's degree offers candidates, from a wide range of disciplines and training, the opportunity to pursue their research interests within the faculty. Candidates are expected to work individually and under the direction of a primary supervisor and one or more associate supervisors on advanced study and research in one of the chosen research areas. At the end of the candidature, a student is expected to present a thesis for examination.
- (2) The minimum admission requirement to the master's degree is a relevant bachelor's degree from the University of Sydney or other Australian university or an overseas institution of higher education, equivalent to an Australian bachelor's degree or present such evidence of general or academic qualifications as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.
- (3) The proposed research topic must receive approval from the convener of the appropriate research group or unit director within the faculty who will also certify that appropriate supervisors and resources are available.
- (4) The faculty can offer supervision over a broad range of research topics. Areas of research expertise are available on the respective Faculty Research Group websites. To access this information visit the Faculty of Health Sciences at www.fhs.usyd.edu.au, and follow the links to the research area of your choice.
- (5) Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

3 Applications

- (1) An application for admission to a master's degree program is accepted subject to the availability of facilities and supervision. Courses and arrangements as stated in the handbook or any other publication, announcement or advice of the faculty are expression of intent only and are not to be taken as a firm offer or undertaking. The faculty reserves the right to discontinue or vary such courses, or arrangement of staff allocations at any time without notice.
- (2) An application shall be made on the prescribed form and shall be lodged with the Research and Innovation Office (Cumberland).
- (3) An application shall normally be made by the end of October immediately preceding the year in which the applicant wishes to register, except that, for a program being conducted for the first time, application for admission shall be made by the specified closing date, as determined by the head of the Research and Innovation Office (Cumberland), from time to time.

- (4) An applicant may seek admission to a master's degree program either as a full-time or part-time on-campus or full-time or part-time off-campus student.

4 Time limits

Candidates can proceed on a full or part-time basis. The normal maximum length of candidature would be four semesters full-time and eight semesters part-time.

5 Enrolment

- (1) The Faculty may:
 - (a) permit an applicant to enrol as a master's degree by Research candidate in the Master of Applied Science Course (S018);
 - (b) permit an applicant to enrol as a master's qualifying student for the purpose of preparing for candidature in any of the above master's degree courses. On successful completion of the Qualifying Program, a prospective master's degree student is required to apply for admission to the master's degree program.
- (3) An applicant enrolled as a master's degree candidate or as a qualifying student will not be permitted to undertake concurrently other graduate studies in the University, or elsewhere, except with the approval of the Faculty.
- (4) An applicant will not be permitted to enrol as a qualifying student or degree candidate unless the head of the academic unit has certified that the applicant is considered suited to undertake the program and that the current research interests of members of Faculty and the availability of resources for the proposed research have been discussed with the applicant.
- (5) The Faculty may permit an applicant to enrol as a master's degree candidate if the applicant has:
 - (a) Qualified for admission in terms of the admission requirements (see Section on Admission Requirements), OR
 - (i) Been enrolled as a Master of Applied Science/Health Science Qualifying Student in the Faculty and has subsequently carried out such work, passed such examinations and reached such standards as prescribed by the Faculty, AND
 - (ii) Satisfied the Faculty that the applicant can devote sufficient time to advanced study and research, AND
 - (iii) An applicant may be required to submit additional information to satisfy the head of the academic unit.

6 Admission requirements

- (1) To qualify for admission to the Master of Applied Science degree, applicants must possess:
 - (a) A relevant bachelor's degree from the University of Sydney or other Australian university or an overseas institution of higher education equivalent to an Australian bachelor degree.
 - (b) Evidence of general and academic qualifications and experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue independent research.

7 Course requirements

- (1) General
 - (a) A qualifying student shall be eligible for consideration for admission to a master's degree program on completion of a program approved by the Faculty at a level of performance prescribed by the Faculty.
 - (b) A candidate shall be eligible for admission to the degree of Master of Applied Science if the candidate:
 - (i) undertakes the prescribed course of study for the degree, and
 - (ii) completes the prescribed program of the research thesis which involves original investigation or review, and

- (iii) submits and has accepted a thesis prepared under the supervision of an academic supervisor appointed by the Faculty.
- (2) Minimum time
- (a) A qualifying student shall not be eligible for consideration for enrolment as a master's degree candidate until a period of at least one semester has elapsed from initial enrolment.
- (b) A candidate shall not normally be eligible for conferral to the degree:
- (i) in the case of a full-time student, until a period of at least three semesters has elapsed from time of enrolment as a master's degree candidate, OR
- (ii) in the case of a part-time student, until a period of at least six semesters has elapsed from the time of enrolment as a master's degree candidate.
- (3) Maximum time
- (a) A qualifying student shall complete the program within two years.
- (b) A candidate shall present for examination:
- (i) in the case of a full-time student, not later than four semesters from the date of enrolment as a master's degree candidate, or
- (ii) in the case of a part-time student, not later than eight semesters from the date of enrolment as a master's degree candidate, unless special permission for an extension of time be granted by the Faculty.
- (4) Discontinuation of enrolment
Notwithstanding the provision of section 3 above, the Faculty may discontinue the enrolment of a master's degree candidate in less than the maximum time allowed, if it is dissatisfied with the candidate's progress.
- (5) Fieldwork and supervision
- (a) The work other than field work should be carried out in the academic unit and such other areas as appropriate or under such conditions as the Faculty may determine.
- (b) The Faculty shall appoint a supervisor from the academic staff of the Faculty/University.
- (c) Where the Faculty considers it appropriate, it may appoint academic associate supervisors. In the case of part-time students, the Faculty may appoint associate supervisors in the student's region or workplace.
- (6) Progress reports
Every master's degree candidate is required to complete an annual report on his/her work to the academic supervisor then through the head of the academic unit to the Higher Degree Research Subcommittee.
- (7) Research subject
Not later than two semesters after enrolment as a full-time master's degree candidate or three semesters after enrolment as a part-time master's degree candidate, the candidate shall submit the subject of the research thesis for approval by the Faculty. After the subject has been approved it may not be changed except with the written permission of the Faculty.

8 Research thesis

- (1) On completion of studies, a master's degree candidate will submit a thesis which complies with the following requirements:
- (a) The greater proportion of the work described must have been completed subsequent to initial enrolment, and
- (b) It must be a distinct contribution to the knowledge of the subject whether by original investigation or by review, and
- (c) It must be written in English or in a language approved by the Faculty and reach a satisfactory standard of literary presentation.
- (2) The thesis shall consist of the candidate's own account of his/her work. In special cases work done conjointly with other persons may be accepted provided the Faculty is satisfied with the candidate's part in the joint work.
- (3) Every candidate shall submit with the thesis a short abstract of the thesis comprising of not more than 300 words.

- (4) A candidate may not submit as the main content of the thesis any work or material which has been previously submitted for a degree or other similar award, but shall not be precluded from incorporating such in the thesis, provided that he/she indicates generally in the preface and specifically in the notes of the work, material which has been so incorporated.
- (5) The candidate shall give in writing two months' notice of the intention to submit the thesis.
- (6) Three copies of the thesis shall be prepared by the candidate.
- (a) The thesis shall be submitted to the Faculty Research and Innovation Office with a certificate signed by the supervisors certifying that the form of presentation in the candidate's thesis is satisfactory.
- (b) If the head of the academic unit declines to accept the thesis, the supervisor may appeal in writing to the Research Training Subcommittee.
- (c) If the supervisor or supervisor(s) decline(s) to certify the thesis is ready for examination and the head of the academic unit declines to accept the thesis, a candidate may appeal to the Research Training Subcommittee.

9 Examination of thesis

- (1) The Faculty shall appoint two examiners, at least one of whom shall not be a member of the academic staff of the University. At least one examiner shall be selected from within the University. The student's supervisor(s) shall not be an examiner.
- (2) All examiners shall be furnished with a copy of the course description and course requirements, and be required to award marks/grades of Fail, Pass, Credit, Distinction and High Distinction according to the criteria determined by the Faculty, which is available from Student Central (Cumberland).
- (3) The candidate may be required to attend the University or such other place as the Faculty shall determine for an oral examination of his/her thesis.
- (4) The report of examiners shall be forwarded to the head of the academic unit for recommendation to the Research Training Subcommittee, to award one of the above grades as a thesis final result. Note: However, if there is any disagreement among the examiners, the Head, shall consult the supervisor and the annual progress report before making a recommendation.
- (5) Following a resolution regarding the thesis by the Research Training Subcommittee, the examiners' reports may be released to the candidate by the relevant head of the academic unit.

10 Master of Applied Science - SC108

This generic degree is offered to candidates from a wide range of disciplines and training to pursue their research interest in this faculty. Students should refer to the academic chapters to identify appropriate supervisors. Coursework may be required where this is considered necessary for the development of the thesis. However the admission criteria for this program may differ from each area of study.

Bachelor of Applied Science (Exercise and Sport Science)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
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Code	Course and stream title
SH088	Bachelor of Applied Science (Exercise and Sport Science)
SH054	Bachelor of Applied Science (Exercise and Sport Science) (Honours)

2 Attendance pattern

The attendance pattern for these courses is full time only.

3 Admission to candidature

Admission to this course is on the basis of a secondary school leaving qualification such as the NSW Higher School Certificate (including national and international equivalents), tertiary study or an approved preparation program. English language requirements must be met where these are not demonstrated by sufficient qualifications taught in English. Special admission pathways are open for mature aged applicants who do not possess a school leaving qualification, educationally disadvantaged applicants and for Aboriginal and Torres Strait Islander people. Applicants are ranked by merit and offers for available places are issued according to the ranking. Details of admission policies are found in the Coursework Rule.

4 Requirements for award

- (1) The units of study that may be taken for these courses are set out in the Faculty of Health Sciences Table of units of study for the Bachelor of Applied Science (Exercise and Sport Science).
- (2) To qualify for the award of the pass degree, a candidate must complete 144 credit points of units of study comprising:
 - (a) 120 credit points of core units; and
 - (b) 24 credit points of elective units, following the rules specified in the table listed in the Faculty of Health Sciences Handbook.

5 Requirements for the Honours degree

- (1) Honours is available to meritorious students who complete an additional year of full-time study, after the completion of the pass degree. Part-time study is permitted if the head of department/ discipline/ program coordinator is satisfied the candidate cannot undertake full-time study.
- (2) To qualify for admission to the Honours Year a student must:
 - (a) have qualified for, or been awarded, the pass degree of Bachelor of Applied Science (Exercise and Sport Science), or an equivalent qualification;
 - (b) have a WAM of at least 65 in that course; and
 - (c) have the permission of the relevant head of department/ discipline/ program coordinator.
- (3) To qualify for the award of the honours degree a candidate must complete 48 credit points of honours units of study from the Honours pathway section of the Exercise and Sport Science Table, as prescribed by the head of department/ discipline/ program coordinator.

6 Award of the degree

- (1) The Bachelor of Applied Science (Exercise and Sport Science) is awarded at either Pass or Honours level. The honours degree is awarded in classes ranging from First Class to Third Class according to the rules specified in the Resolutions of the Faculty of Health Sciences.
- (2) Candidates for the award of the Honours degree who do not meet the requirements, and who have not already graduated, will be awarded the pass degree.

7 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.

- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Bachelor of Applied Science (Medical Radiation Sciences) Diagnostic Radiography

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SH116	Bachelor of Applied Science (Medical Radiation Sciences) Diagnostic Radiography
SH114	Bachelor of Applied Science (Medical Radiation Sciences) Diagnostic Radiography (Honours)

2 Attendance pattern

The attendance pattern for these courses is full time only.

3 Admission to candidature

Admission to this course is on the basis of a secondary school leaving qualification such as the NSW Higher School Certificate (including national and international equivalents), tertiary study or an approved preparation program. English language requirements must be met where these are not demonstrated by sufficient qualifications taught in English. Special admission pathways are open for mature aged applicants who do not possess a school leaving qualification, educationally disadvantaged applicants and for Aboriginal and Torres Strait Islander people. Applicants are ranked by merit and offers for available places are issued according to the ranking. Details of admission policies are found in the Coursework Rule.

4 Requirements for award

- (1) The units of study that may be taken for these courses are set out in the Faculty of Health Sciences Table of units of study for the Bachelor of Applied Science (Medical Radiation Sciences) Diagnostic Radiography.
- (2) To qualify for the award of the pass degree, a candidate must complete 144 credit points of core units of study in the order prescribed in the Table.

5 Requirements for the Honours degree

- (1) Honours is available to meritorious students who complete an additional year of full-time study, after the completion of the pass degree. Part-time study is permitted if the head of department/ discipline/ program coordinator is satisfied the candidate cannot undertake full-time study.
- (2) To qualify for admission to the Honours Year a student must:
 - (a) have qualified for, or been awarded, the pass degree of Bachelor of Applied Science (Medical Radiation Sciences) Diagnostic Radiography, or an equivalent qualification;
 - (b) have a WAM of at least 65 in that course; and
 - (c) have the permission of the relevant head of department/ discipline/ program coordinator.

- (3) To qualify for the award of the honours degree a candidate must complete 48 credit points of honours units of study from the Honours pathway section of the Medical Radiation Sciences Diagnostic Radiography Table.

6 Award of the degree

- (1) The Bachelor of Applied Science (Medical Radiation Sciences) Diagnostic Radiography is awarded at either Pass or Honours level. The honours degree is awarded in classes ranging from First Class to Third Class according to the rules specified in the Resolutions of the Faculty of Health Sciences.
- (2) Candidates for the award of the Honours degree who do not meet the requirements, and who have not already graduated, will be awarded the pass degree.

7 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Bachelor of Applied Science (Occupational Therapy)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SH135	Bachelor of Applied Science (Occupational Therapy)
SH112	Bachelor of Applied Science (Occupational Therapy) (Honours)

2 Attendance pattern

The attendance pattern for these courses is full time only.

3 Admission to candidature

Admission to this course is on the basis of a secondary school leaving qualification such as the NSW Higher School Certificate (including national and international equivalents), tertiary study or an approved preparation program. English language requirements must be met where these are not demonstrated by sufficient qualifications taught in English. Special admission pathways are open for mature aged applicants who do not possess a school leaving qualification, educationally disadvantaged applicants and for Aboriginal and Torres Strait Islander people. Applicants are ranked by merit and offers for available places are issued according to the ranking. Details of admission policies are found in the Coursework Rule.

4 Requirements for award

- (1) The units of study that may be taken for these courses are set out in the Faculty of Health Sciences:

- (a) Table of units of study for the Bachelor of Applied Science (Occupational Therapy); and
- (b) Table of Undergraduate Elective units of study.
- (2) To qualify for the award of the pass degree, a candidate must complete 192 credit points of units of study comprising:
- (a) 156 credit points of core units; and
- (b) 36 credit points of elective units, including a minimum of 6 credit points from the Behavioural or Social Sciences and 6 credit points from the Biomedical Sciences.

5 Requirements for the Honours degree

- (1) Honours is available to meritorious students who complete an alternative set of units of study in the last three semesters of the program. Admission to the Honours program is by permission of the program coordinator after the completion of Second Year. Entry to the Honours program is based on performance during years 1 and 2 of the course. Selection of students into the Honours program is competitive and based on the student's Weighted Average Mark (WAM).
- (2) To qualify for the award of the honours degree a candidate must complete the requirements for the pass degree but include the alternative 54 credit points of honours units of study listed in the Bachelor of Applied Science (Occupational Therapy) Table of units of study.

6 Award of the degree

- (1) The Bachelor of Applied Science (Occupational Therapy) is awarded at either Pass or Honours level. The honours degree is awarded in classes ranging from First Class to Third Class according to the rules specified in the Resolutions of the Faculty of Health Sciences.
- (2) Candidates for the award of the Honours degree, who do not meet the requirements, may be awarded the pass degree if they have completed the requirements for that award.

7 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Bachelor of Applied Science (Physiotherapy)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SH137	Bachelor of Applied Science (Physiotherapy)
SH120	Bachelor of Applied Science (Physiotherapy) (Honours)

2 Attendance pattern

The attendance pattern for these courses is full time only.

3 Admission to candidature

Admission to this course is on the basis of a secondary school leaving qualification such as the NSW Higher School Certificate (including national and international equivalents), tertiary study or an approved preparation program. English language requirements must be met where these are not demonstrated by sufficient qualifications taught in English. Special admission pathways are open for mature aged applicants who do not possess a school leaving qualification, educationally disadvantaged applicants and for Aboriginal and Torres Strait Islander people. Applicants are ranked by merit and offers for available places are issued according to the ranking. Details of admission policies are found in the Coursework Rule.

4 Requirements for award

- (1) The units of study that may be taken for these courses are set out in the Faculty of Health Sciences Table of units of study for the Bachelor of Applied Science (Physiotherapy).
- (2) To qualify for the award of the pass degree, a candidate must successfully complete 192 credit points of core units of study.

5 Requirements for the Honours degree

- (1) Honours is available to meritorious students who complete an alternative set of units of study in the final year of the program. Admission to the honours program is by permission of the program coordinator after the completion of the first semester of the second year. Admission requires a credit or higher average without any fail grades in units of study completed to that point.
- (2) To qualify for the award of the honours degree a candidate must complete the requirements for the pass degree but include the alternative 12 credit point unit of study listed in the Honours pathway section of the Physiotherapy Table of units of study.

6 Award of the degree

- (1) The Bachelor of Applied Science (Physiotherapy) is awarded at either Pass or Honours level. The honours degree is awarded in classes ranging from First Class to Third Class according to the rules specified in the Resolutions of the Faculty of Health Sciences.
- (2) Candidates for the award of the Honours degree who do not meet the requirements, but who have otherwise satisfied the course requirements, will be awarded the pass degree.

7 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Bachelor of Applied Science (Speech Pathology)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SH128	Bachelor of Applied Science (Speech Pathology)
SH129	Bachelor of Applied Science (Speech Pathology) (Honours)

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Admission to candidature

Admission to this course is on the basis of a secondary school leaving qualification such as the NSW Higher School Certificate (including national and international equivalents), tertiary study or an approved preparation program. English language requirements must be met where these are not demonstrated by sufficient qualifications taught in English. Special admission pathways are open for mature aged applicants who do not possess a school leaving qualification, educationally disadvantaged applicants and for Aboriginal and Torres Strait Islander people. Applicants are ranked by merit and offers for available places are issued according to the ranking. Details of admission policies are found in the Coursework Rule.

4 Requirements for award

- (1) The units of study that may be taken for these courses are set out in the Faculty of Health Sciences Table of units of study for the Bachelor of Applied Science (Speech Pathology).
- (2) To qualify for the award of the pass degree, a candidate must complete 192 credit points of core units of study in the order prescribed in the Table.

5 Requirements for the Honours degree

- (1) Honours is available to meritorious students who complete an alternative set of units of study in the third and fourth years of the program. Admission to the honours program is by permission of the program coordinator after the completion of Second Year. Entry to the Honours program is based on academic performance in years 1 and 2 of the course.
- (2) To qualify for the award of the honours degree a candidate must complete the requirements for the pass degree but include the alternative 66 credit point Honours pathway set out in the Speech Pathology Table of units of study.
- (3) Candidates must maintain a credit average throughout the honours program and complete the degree in the minimum, standard, full-time duration. The grade of honours will be determined by the result of the Research Project unit of study.

6 Award of the degree

- (1) The Bachelor of Applied Science (Speech Pathology) is awarded at either Pass or Honours level. The honours degree is awarded in classes ranging from First Class to Third Class according to the rules specified in the Resolutions of the Faculty of Health Sciences.
- (2) Candidates for the award of the Honours degree, who do not meet the requirements, may be awarded the pass degree if they have completed the requirements for that award.

7 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.

- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Bachelor of Applied Science (Exercise and Sport Science) / Master of Nutrition and Dietetics

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course and stream title
SH139	Bachelor of Applied Science (Exercise and Sport Science) / Master of Nutrition and Dietetics

2 Attendance pattern

The attendance pattern for this course is full time only.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Cross-faculty management

- (1) Candidates will be under the general supervision of the Faculty of Health Sciences until the end of the semester in which they complete the requirements for the Bachelor of Applied Science (Exercise and Sport Science). They will then be under the supervision of the Faculty of Science.
- (2) The Deans of the Faculty of Health Sciences and the Faculty of Science shall jointly exercise authority in any matter concerned with the double degree course not otherwise dealt with in these resolutions.

5 Admission to candidature

Admission to this course is on the basis of a secondary school leaving qualification such as the NSW Higher School Certificate (including national and international equivalents), tertiary study or an approved preparation program. English language requirements must be met where these are not demonstrated by sufficient qualifications taught in English. Special admission pathways are open for mature aged applicants who do not possess a school leaving qualification, educationally disadvantaged applicants and for Aboriginal and Torres Strait Islander people. Applicants are ranked by merit and offers for available places are issued according to the ranking. Details of admission policies are found in the Coursework Rule.

6 Requirements for the award of the degrees in the double degree

- (1) The units of study that may be taken for the degrees in the double degree program are set out in the Faculty of Health Sciences Table of units of study for the Bachelor of Applied Science (Exercise and Sport Science) / Master of Nutrition and Dietetics.

- (2) To qualify for the award of the degrees in the double degree program, a candidate must complete 240 credit points comprising:
 - (a) 144 credit points of units of study prescribed for the Bachelor of Applied Science (Exercise and Sport Science) component, including 138 credit points of core units and 6 credit points of elective units, chosen, with the approval of the Dean, from any undergraduate units offered by the Faculty of Health Sciences or by any other faculty in the University; and
 - (b) 96 credit points of core units of study prescribed for the Master of Nutrition and Dietetics component.

7 Progression rules

- (1) Candidates must complete the requirements for the Bachelor of Applied Science (Exercise and Sport Science) with a WAM of at least 65 in order to be eligible to proceed to the Master of Nutrition and Dietetics.
- (2) Candidates who complete the requirements for the Bachelor of Applied Science (Exercise and Sport Science) but fail to achieve a WAM of 65 will be awarded the Bachelor of Applied Science (Exercise and Sport Science).
- (3) Candidates for the Master of Nutrition and Dietetics must complete First Year units of study before proceeding to the Second Year units.

8 Requirements for the Honours degree

- (1) Honours is available in the Bachelor of Applied Science (Exercise and Sport Science) to meritorious candidates who complete an additional year of full-time study, after completion of the pass degree. Part-time study over two years may be permitted if the Faculty is satisfied the candidate cannot undertake honours full time.
- (2) Admission and award requirements for honours are described in the Course Resolutions relating to the Bachelor of Applied Science (Exercise and Sport Science).
- (3) Candidates who qualify to undertake honours in the Bachelor of Applied Science (Exercise and Sport Science) will enrol in and complete the honours program prior to the commencement of the Master of Nutrition and Dietetics course.

9 Award of the degrees

- (1) The Bachelor of Applied Science (Exercise and Sport Science) is awarded at either Pass or Honours level. The honours degree is awarded in classes ranging from First Class to Third Class, according to the rules specified in the Resolutions of the Faculty of Health Sciences.
- (2) Candidates for the award of the Honours degree who do not meet the requirements, and who have not already graduated, will be awarded the pass degree.
- (3) The Master of Nutrition and Dietetics is awarded at Pass level only.

10 Course transfer

- (1) A candidate may abandon the double degree program and elect to complete the Bachelor of Applied Science (Exercise and Sport Science) in accordance with the resolutions governing that degree.
- (2) Completion of the Master of Nutrition and Dietetics in the future will require a new application for admission to that course and completion in accordance with the resolutions governing that degree.

11 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that

the requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Bachelor of Health Sciences

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
SH130	Bachelor of Health Sciences
SH123	Bachelor of Health Sciences (Honours)

2 Attendance pattern

The attendance pattern for these courses is full time only.

3 Admission to candidature

Admission to this course is on the basis of a secondary school leaving qualification such as the NSW Higher School Certificate (including national and international equivalents), tertiary study or an approved preparation program. English language requirements must be met where these are not demonstrated by sufficient qualifications taught in English. Special admission pathways are open for mature aged applicants who do not possess a school leaving qualification, educationally disadvantaged applicants and for Aboriginal and Torres Strait Islander people. Applicants are ranked by merit and offers for available places are issued according to the ranking. Details of admission policies are found in the Coursework Rule.

4 Requirements for award

- (1) The units of study that may be taken for these courses are set out in:
 - (a) the Faculty of Health Sciences Table of units of study for the Bachelor of Health Sciences;
 - (b) the Faculty of Health Sciences Table of Undergraduate Elective units of study;
 - (c) Table 1: Bachelor of Science, of the Faculty of Science Tables of units of study;
 - (d) Table A of the Faculty of Arts Table of units of study; and
 - (e) Section 2 of the Faculty of Economics and Business Table of undergraduate units of study.
- (2) To qualify for the award of the pass degree, a candidate must complete 144 credit points comprising:
 - (a) a Faculty of Health Sciences Major;
 - (b) a second Major in an area related to Health; and
 - (c) additional elective units of study to satisfy the total number of credit points required for the award. (These elective units of study may be chosen from any undergraduate units available throughout the University, subject to approval by the Dean.)

5 Majors

- (1) Completion of two majors is a requirement of the course. Except as specified in the Bachelor of Health Sciences Table of units of study, units counted towards one major may not count towards any other major completed.
- (2) *Health Sciences Major*
 - (a) The Health Sciences Major comprises 60 credit points of units of study, including:

- (i) 24 credit points of Junior core units, as listed in the Bachelor of Health Sciences Table;
- (ii) 6 credit points of a core Psychology unit, as listed in the Bachelor of Health Sciences Table;
- (iii) 6 credit points of a Junior Biology unit, chosen from Science Table 1; and
- (iv) 24 credit points of Senior units, chosen from the Bachelor of Health Sciences Table.

(3) Major in Health

- (a) The second Major must be in an area related to Health. It may be completed in units offered by the Faculty of Health Sciences or in a subject area offered by the Faculties of Arts, Economics and Business or Science.
- (b) The Majors available within the Faculty of Health Sciences are:
 - (i) Hearing and Speech; and
 - (ii) Movement Science.
- (c) Candidates undertaking one of these Majors in the Faculty of Health Sciences must complete the units of study prescribed in the Table of units of study for the Bachelor of Health Sciences for that major.
- (d) Health Majors available in other faculties are:
 - (i) Social Policy;
 - (ii) Psychology;
 - (iii) Biochemistry;
 - (iv) Cell Pathology;
 - (v) Management Decision Science;
 - (vi) Nanoscience and Technology; and
 - (vii) other Majors in Health, chosen from the Arts, Economics and Business or Science Tables and approved on a case-by-case basis by the Dean.
- (4) Any Major completed in an Arts, Economics and Business or Science subject area must be completed in accordance with the rules relating to the completion of a Major in that Faculty, as set out in the relevant Faculty Resolutions.

6 Progression rules

Candidates must pass all core units of study for the degree and any units of study required for the completion of the Faculty of Health Sciences Majors. Candidates who fail one of these units of study must repeat the failed unit at the first opportunity.

7 Requirements for the Honours degree

- (1) Honours is available to meritorious students who complete an additional year of full-time study, after the completion of the pass degree. Part-time study is permitted if the head of department/ discipline/ program coordinator is satisfied the candidate cannot undertake full-time study.
- (2) To qualify for admission to the Honours Year a candidate must have:
 - (a) qualified for the award of, or been awarded, the pass degree or an equivalent degree from another university;
 - (b) completed a major/s in the intended area/s of study;
 - (c) completed the Honours Research Proposal unit of study, or an equivalent unit;
 - (d) a WAM of at least 65; and
 - (e) the permission of the relevant head of department/ discipline/ program coordinator.
- (3) To qualify for the award of the Honours degree a candidate must complete 48 credit points of honours units of study from the Honours Table, as prescribed by the head of department/ discipline/ program coordinator.

8 Award of the degree

- (1) The Bachelor of Health Sciences is awarded at either Pass or Honours level. The honours degree is awarded in classes ranging from First Class to Third Class according to the rules specified in the Resolutions of the Faculty of Health Sciences.
- (2) Candidates for the award of the Honours degree who do not meet the requirements, and who have not already graduated, will be awarded the pass degree.

9 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2016. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

Please see the 2009 handbook for the course resolutions of the combined degrees.

http://ses.library.usyd.edu.au/bitstream/2123/3604/4/health_sci_2009.pdf

Policies

Part 1 – Preliminary

1. Citation and commencement

1.1 Citation

1.1.1 This Rule is made by the Senate of the University of Sydney pursuant to section 37(1) of the University of Sydney Act 1989 for the purposes of the University of Sydney By-law 1999.

1.2 Commencement

1.2.1 This Rule commences on the day after it is made in accordance with Chapter 2 of the University of Sydney By-law 1999.

2. Purpose

2.1 This Rule:

2.1.1 repeals and replaces Part 10, Division 4 of the University of Sydney (Amendment Act) Rule 1999 in its entirety; and

2.1.2 deals with matters relating to the degree of Doctor of Philosophy.

Part 2 – Admission to candidature

3. Heads of department

3.1 A head of department may delegate to a specified member of the academic staff his or her responsibilities under these Rules by countersigning a specific recommendation in respect of a particular candidature or by making, and forwarding to the Registrar, a written statement of delegation of those powers.

4. Admission to candidature

4.1 An applicant for admission as a candidate for the degree shall, except as provided in 4.2 and 4.3 below, hold or have fulfilled all the requirements for:

4.1.1 the degree of master, or

4.1.2 the degree of bachelor with first or second class honours.

4.2 A faculty may admit as a candidate for the degree an applicant holding the degree of bachelor without first or second class honours after the applicant has passed a qualifying examination at a standard equivalent to the bachelor's degree with first or second class honours, provided that a faculty may exempt an applicant from the qualifying examination if the applicant has obtained a high distinction or distinction in the highest course available in the subject or subjects relevant to the proposed course of advanced study and research.

4.3 The Academic Board has endorsed an interpretation of the qualifying examination as including completion of a period of relevant full-time or part-time advanced study and research towards a master's degree in the University of Sydney, at such a standard as would demonstrate to the satisfaction of the faculty that the candidate is suitably prepared in the particular field of study to undertake candidature for the degree of Doctor of Philosophy.

4.4 The Academic Board may, in accordance with this Rule, admit as a candidate for the degree an applicant holding qualifications which, in the opinion of the faculty concerned and of the Academic Board, are equivalent to those prescribed in 4.1 or 4.2 above and such candidate shall proceed to the degree under such conditions as the Academic Board may prescribe.

4.5 An applicant for admission to candidature shall submit to the faculty concerned:

4.5.1 a proposed course of advanced study and research, approved by the head of the department in which the work is to be carried out, to be undertaken by the applicant in a department of the University, and

4.5.2 satisfactory evidence of adequate training and ability to pursue the proposed course.

4.6 The faculty may require a candidate, as part of the evidence of the candidate's training and ability to pursue the proposed course, to pass a special examination.

4.7 A reference in this section to a department includes a reference to one or more departments, one or more schools, an interdepartmental committee and an interschool committee.

5. Probationary acceptance

5.1 A candidate may be accepted by a faculty on a probationary basis for a period not exceeding one year and upon completion of this probationary period, the faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

5.2 In the case of a candidate accepted on a probationary period under 5.1 above, the candidature shall be deemed to have commenced from the date of such acceptance.

6. Control of candidature

6.1 Each candidate shall pursue his or her course of advanced study and research wholly under the control of the University.

6.2 Where a candidate is employed by an institution other than the University, the faculty or college board may require a statement by that employer acknowledging that the candidature will be under the control of the University.

7. Other studies during the candidature

7.1 A candidate may be required by the head of department or the supervisor to attend lectures, seminar courses or practical work courses or to undertake courses and, if required, the assessment for such courses, subject to the approval of any other head of department concerned.

8. Credit for previous studies

8.1 A candidate who, at the date of admission to candidature, has completed not less than six months as a candidate for the degree of master in any faculty or board of studies of the University of Sydney, may be permitted by the faculty concerned to be credited for the whole or any part of the period of candidature completed for the degree of master as a period of candidature completed for the degree of Doctor of Philosophy, provided that the period of candidature for the degree of master for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the faculty or board of studies concerned and directly related to the candidate's proposed course of advanced study and research for the degree of Doctor of Philosophy.

8.2 A candidate who, at the date of admission has completed not less than six months as a candidate for a higher degree in another university or institution may be permitted by the Academic Board, on the recommendation of the faculty concerned, to be credited for the whole or any part of the period of candidature completed as a period completed for the degree of Doctor of Philosophy of the University of Sydney, provided that:

8.2.1 at the date of admission to candidature for the higher degree of the other university or institution concerned the candidate shall have fulfilled the requirements of admission to candidature set out in section 3 above;

8.2.2 the period of candidature for the higher degree of the other university or institution concerned for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the other university or institution concerned and directly related to the candidate's proposed course of advanced study and research in the University of Sydney;

- 8.2.3 the candidate shall have abandoned candidature for the higher degree of the other university or institution concerned for which credit is sought;
 - 8.2.4 the amount of credit which may be so granted shall not exceed one year; and
 - 8.2.5 no candidate who has been granted credit shall present a thesis for examination for the degree earlier than the end of the second year after acceptance.
- 8.3 The Faculty of Medicine may grant credit not exceeding one year to a candidate for the degree of Doctor of Philosophy in that Faculty who has submitted documented evidence of having previously completed supervised study towards the degree of Doctor of Medicine of the University of Sydney.

Part 3 – Supervision

9. Appointment and qualifications of supervisors and associate supervisors

- 9.1 The faculty or college board, on the recommendation of the head of department concerned, shall appoint a suitably qualified supervisor and associate supervisors for each candidate to take primary responsibility for the conduct of the candidature and to be responsible for the progress of the candidature to the head of department and the faculty or college board concerned in accordance with policy established by the Academic Board.

Part 4 – Candidature

10. Location

- 10.1.1 Subject to the annual approval of the supervisor, head of department and faculty or college board, the candidate shall pursue the course of advanced study and research either:
- 10.1.1.1 within the University including its research stations and teaching hospitals;
 - 10.1.1.2 on fieldwork either in the field or in libraries, museums or other repositories;
 - 10.1.1.3 within industrial laboratories or research institutions or other institutions considered by the faculty or college board concerned to provide adequate facilities for that candidature; or
 - 10.1.1.4 within a professional working environment;
- 10.1.2 and shall attend at the University for such consultation with the supervisor and shall participate in such departmental and faculty or college seminars as shall annually be specified.
- 10.2.1 A candidate pursuing candidature outside Australia must also complete a minimum of two semesters of candidature within the University [but not necessarily immediately before submission, not necessarily as a continuous two-semester period] before submission of the thesis.
- 10.2.2 The corresponding period for candidates for whom the minimum length of candidature is four semesters is a minimum of one semester.
- 10.3 When recommending the detailed annual conditions for each candidate's particular course of advanced study and research the supervisor and head of department must indicate whether they are satisfied that the proposed supervision arrangements will be satisfactory.

11. Progress

- 11.1 At the end of each year each candidate shall provide evidence of progress and attend a progress review interview to the satisfaction of the supervisor and head of department concerned and any Departmental or Faculty Postgraduate Review Committee.
- 11.2 On the basis of evidence provided and the interview, the head of department shall recommend the conditions of candidature to apply for the following year and may require the candidate to provide further evidence of progress at the end of one semester or such other period as the head of department considers appropriate.
- 11.3 If a candidate fails to submit evidence of progress or if the head of department concerned considers that the evidence submitted does not indicate satisfactory progress, the faculty or college board may, on the head's recommendation, call upon that candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the faculty or college board, the candidate does not show good cause the faculty or college board may terminate that candidature or may impose conditions on the continuation of that candidature.

Part 5 – Submission of thesis

12. The thesis

- 12.1.1 On completing the course of advanced study and research, a candidate shall present a thesis embodying the results of the work undertaken, which shall be a substantially original contribution to the subject concerned.
- 12.1.2 The candidate shall state, generally in the preface and specifically in notes, the sources from which the information is derived, the animal and human ethical approvals obtained, the extent to which the work of others has been made use of, and the portion of the work the candidate claims as original.
- 12.2 A candidate may also submit in support of the candidature any publication of which the candidate is the sole or joint author. In such a case the candidate must produce evidence to identify satisfactorily the sections of the work for which the candidate is responsible.
- 12.3 Except where the candidature has been governed by an approved cotutelle agreement, a candidate may not present as the thesis any work which has been presented for a degree or diploma at this or another university, but the candidate will not be precluded from incorporating such in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been so incorporated.
- 12.4 Theses shall be written in English, except that:
- 12.4.1 in the case of a candidature governed by an approved cotutelle agreement, the thesis may be written in English or in another language; and
 - 12.4.2.1 in the Faculty of Arts, in the case of language departments, theses may be written either in English or in their target language as determined by the department, unless a department has specified by means of a Faculty resolution that it will consider applications to submit the thesis in a language other than:
 - 12.4.2.1.1 English; or
 - 12.4.2.1.2 target language of the department.
 - 12.4.2.2 Such applications should be made in writing; and approved by the head of department concerned and the Dean of the Faculty, before the commencement of candidature.
 - 12.4.2.3 In considering applications a head of department shall take into account arrangements for supervision and examination.
- 12.5 A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by resolution of the Academic Board and four copies of a summary of about 300 words in length.
- 12.6 The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

13. Earliest date for submission

13.1 Except as provided below, a candidate may not submit a thesis for examination earlier than the end of the sixth semester of candidature.

13.2 A faculty or college board may permit a candidate holding any of the following qualifications of the University of Sydney or from such other institution as the faculty or college board may approve, to submit a thesis for examination not earlier than the end of the fourth semester of candidature:

13.2.1 a degree of master completed primarily by research;

13.2.2 both the degrees of Bachelor of Dental Surgery with honours and Bachelor of Science (Dental) with honours;

13.2.3 both the degrees of Bachelor of Medicine with honours and Bachelor of Science (Medical) with honours; or

13.2.4 both the degrees of Bachelor of Veterinary Science with honours and Bachelor of Science (Veterinary) with honours.

13.3 Notwithstanding 13.1 and 13.2 above, a faculty may, on the recommendation of the head of department and supervisor concerned, permit a candidate to submit a thesis for examination up to one semester earlier than prescribed if, in the opinion of the faculty, evidence has been produced that the candidate has made exceptional progress in his or her candidature.

13.4.1 Notwithstanding 13.1, 13.2 and 13.3 above, the Chair of the Academic Board may, on the recommendation of the dean of the faculty in which the candidate is enrolled, permit a candidate to submit a thesis for examination earlier than prescribed if, in the opinion of the Chair of the Academic Board, evidence has been produced that the candidate has made exceptional progress in his or her candidature.

13.4.2 The Chair of the Academic Board may take advice from the Chair of the Graduate Studies Committee and shall report any applications under this provision and the action taken to the next meeting of the Academic Board.

14. Latest date for submission

14.1 Except as provided in 14.1 to 14.3 below, a candidate shall submit the thesis for examination not later than the end of the eighth semester of candidature.

14.2 A candidate whose candidature has been part-time throughout shall submit the thesis for examination not later than the end of the 16th semester of candidature.

14.3 The time limits set out in 14.1 to 14.2 above, apply to candidates who commence candidature after 31 December 2000. Candidates who commenced candidature prior to this date may choose to proceed in accordance with the Rules in force at the time when they commenced candidature.

14.4 The relevant dean may permit a candidate to submit the thesis for examination after a period of time greater than the maximum periods specified.

15. Examination

15.1 The procedures for examination shall be prescribed by the Academic Board.

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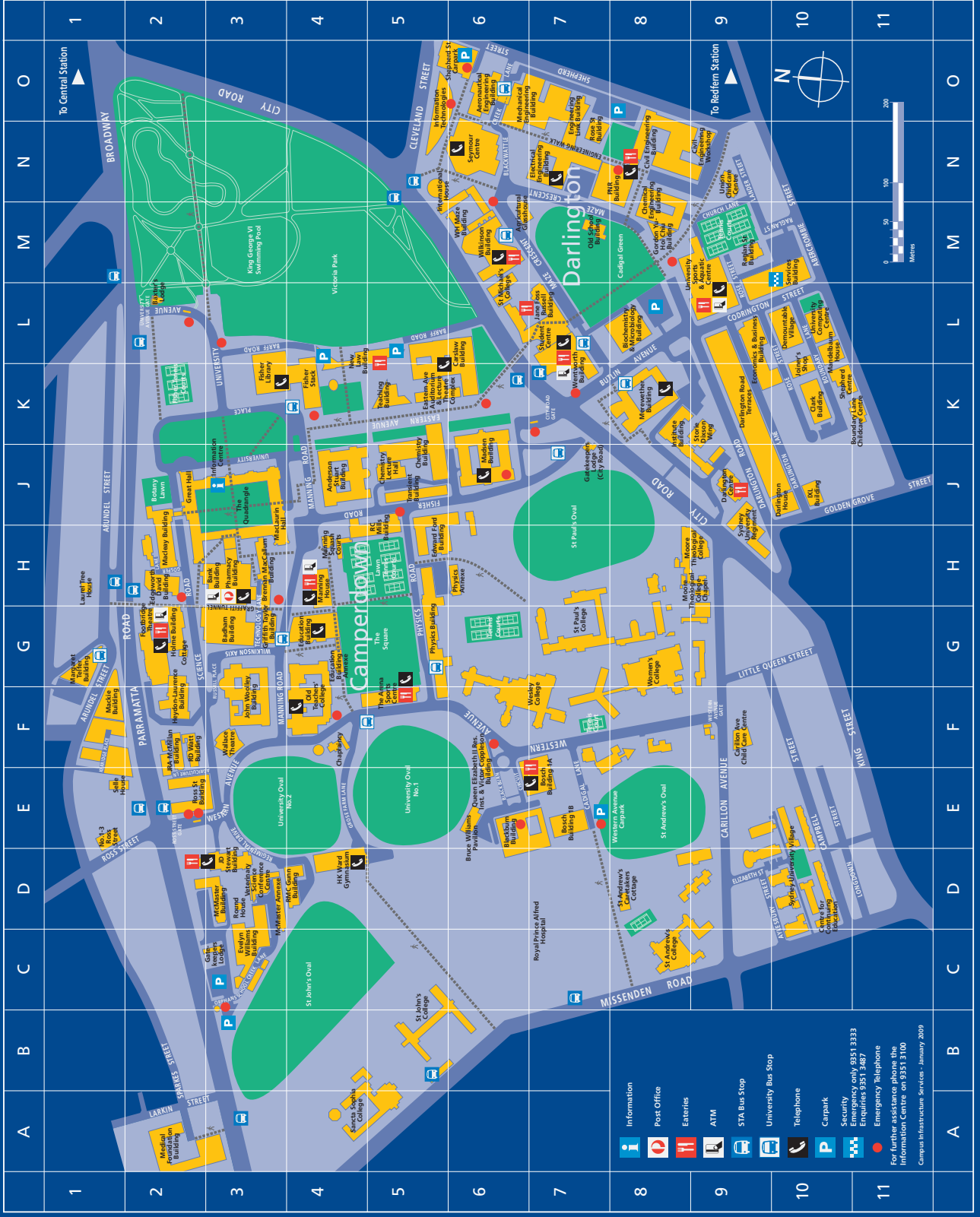
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Camperdown and Darlington Campuses



Camperdown Infrastructure Services - January 2009

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H3	Brennan MacCallum Building	D3	McMaster Building
E6	Bruce Williams Pavilion	O6	Mechanical Engineering Building
L6	Carlaw Building	A2	Mechanical Foundation Building
F4	Chaplaincy	K8	Merewether Building
M8	Chemical Engineering Building	L4	New Law Building
J5	Chemistry Building	E1	No. 1-3 Ross Street
N8	Civil Engineering Building	M7	Old School Building
N9	Civil Engineering Workshop	F4	Old Teachers' College
K10	Clark Building	H3	Pharmacy Building
J9	Darlington Centre	H6	Physics Annex
J10	Darlington House	G5	Physics Building
K9	Darlington Road Terraces	N8	PNR Building
L10	Demountable Village	E6	Queen Elizabeth II Research Institute
K5	Eastern Avenue Auditorium & Lecture Theatre Complex	H5	RC Mills Building
L9	Economics and Business Building	F2	RD Watt Building
H2	Edgeworth David Geology Building	D4	RMC Gunn Building
G4	Education Building	M9	Raglan Street Building
H4	Education Building Annex	N7	Rose Street Building
H5	Edward Ford Building	E2	Ross Street Building
N7	Electrical Engineering Building	G2	Science Road Cottage
N7	Engineering Link Building	E1	Selle House
C3	Evelyn Williams Building	M10	Services Building
K3	Fisher Library	N6	Seymour Centre
K4	Fisher Library Stack	K10	Shepherd Centre
G2	Footbridge Theatre	O6	Shepherd Street Carpark
C3	Gatekeeper's Lodge	K9	Storie Dixon Wing
J7	Gatekeeper's Lodge (City Road)	L4	Sydney Law School
M8	Gordon Yu-Hoi Chui Building	K5	Teaching Building
J2	Great Hall	F5	The Arena Sports Centre
G3	Griffith Taylor Building	J3	The Quadrangle
D4	HK Ward Gymnasium	J5	Transient Building
F2	Heydon-Laurence Building	L10	University Computing Centre
G2	Holme Building	M9	University Sports & Aquatic Centre
N5	Information Technologies	D3	Veterinary Science Conference Centre
K8	Institute Building	E6	Victor Coppleston Building
N5	International House	F3	Wallace Theatre
J10	IXL Building	K7	Wentworth Building
D3	JD Stewart Building	E7	Western Avenue Carpark
F2	JRA McMillan Building	M6	WH Mase Building
L7	Jane Foss Russell Building	M6	Wilkinson Building
F3	John Woolley Building		

Childcare centres

K11	Boundary Lane
F9	Carlton Avenue
N9	KU Union
H1	Laurel Tree House

Colleges & residential accommodation

J10	Darlington House
K9	Darlington Road Terraces
N5	International House
L10	Mandelbaum House
A4	Sancta Sophia College
C8	St Andrew's College
B5	St John's College
L6	St Michael's College
B6	St Paul's College
G7	Selle House
E1	Sydney University Village
D10	Sydney University Village
F7	Wesley College
G8	Women's College

Computer Access Centres

H3	Brennan
G4	Education
K3	Fisher
N7	Link
L6	McGrath (Carlaw)
H3	Pharmacy

Cultural venues

H2	Macleay Museum
J3	Nidholson Museum
N6	Seymour Centre
K7	Sir Hermann Black Gallery
M6	Tin Sheds Gallery
J2	University Art Gallery

Faculties (offices)

F2	Agriculture, Food and Natural Resources
M6	Architecture
H3	Arts
K8	Economics & Business
G4	Education and Social Work
N7	Engineering
L4	Law
H5	Medicine
H3	Pharmacy
L6	Science
D3	Veterinary Science

Libraries

G3	Badham
H5	Burkitt-Ford
K3	Fisher
L4	Freehills Law Library
E7	Medical
H5	Schaeffer Fine Arts
L7	SciTech

Retail

H3	Australia Post Office
J9	Darlington Centre
G2	Hoime Building
L7	Jane Foss Russell Building
H4	Manning House
F5	The Arena Sports Centre
M9	University Copy Centre
K7	University Health Service
M9	University Sports & Aquatic Centre
M9	University Co-op Bookshop
C3	Valentine Charlton Cat Centre
C3	Veterinary Hospital & Clinic
K7	Wentworth Building

Security

M10	Emergency Services
M10	Lost Property
M10	Traffic & Parking

Sports & recreational venues

K2	Fisher Tennis Courts
D4	HK Ward Gymnasium
H5	Lawn Tennis Courts
H4	Manning Squash Courts
F5	The Arena Sports Centre
G5	The Square
E5	University Oval No. 1
E3	University Oval No. 2
M9	University Sports & Aquatic Centre

Unions & associations (offices)

K7	Students' Representative Council (SRC)
M9	Sydney University Postgraduate Representative Association (SUPRA)
M9	Sydney Uni Sport & Fitness
G2	University of Sydney Union

University administration, centres & services

L7	Accommodation Service
H3	Alumni Relations Office
L7	Careers Centre
L7	Cashier
D10	Centre for Continuing Education
K7	Centre for English Teaching
H3	Chancellor
L7	Counselling Service
L7	Disability Services
L7	Equity Support Services
H2	Executive Offices
L7	Financial Assistance Office
G1	Financial Services
J3	Information Centre
L10	Information and Communications Technology Services
L7	International Office
L7	International Student Support Unit
G4	Learning Centre
L6	Mathematics Learning Centre
H2	Media Office
G1	Office of General Counsel
L7	Research Office
L7	Scholarships and Prizes Office
L7	Student Centre
L7	Student Support Services
K8	Summer School
K8	Support Sydney
M10	SydneyPeople – HR Service Centre
D9	SydneyPeople – Learning Solutions
E1	SydneyPeople – Unistaff
L7	Sydney Talent
O5	Sydnovate
F3	United States Studies Centre
G2	University of Sydney Venue Collection
C3	Veterinary Hospital & Clinic
H2	Vice-Chancellor

Map Code: 05_MAIN

CUMBERLAND CAMPUS



Directory

University Buildings

E4	A Block – Jeffrey Miller Administration Building
F3	B Building
C4	C Building
C4	D Building
G3	D2 Building
D4	E Block
F4	F Block
F2	G Building
E5	Gatehouse
D3	H Block
G3	Horticulture Centre
F2	J Building
D4	K Block
F3	L Block
E2	M Building
E2	N Building
E2	O Building
F3	O.T. Annex
H4	Q Building – Ngallia Childcare Centre
F3	R Block
E3	S Block
G4	T Building
F4	U Building – Campus Rewards
C4	V Building – Sport Centre
D2	W Building – Building & Grounds
G3	Y Building – Yannadah/Residential Building

Childcare

H4	Ngallia Child Care Centre (Q Building)
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Clinics, community services and research units

C4	Australian Stuttering Research Centre ASRC (D Building)
F2	Driver Rehabilitation and Fleet Safety Services (J Building)
C4	Fitability (C Building)
E2	National Centre for Classification in Health (M Building)
C4	Rehabilitation Research Centre (C Building)

Disciplines

F2	Behavioural and Social Sciences in Health (G Building)
E3	Biomedical Science (S Block)
D4	Exercise and Sport Science (K Block)
E2	Health Informatics (M Building)
E2	Medical Radiation Sciences (M Building)
F2	Occupational Therapy (J Building)
G4	Orthoptics (T Building)
E2	Physiotherapy (O Building)
F2	Rehabilitation Counselling (G Building)
E3	Speech Pathology (S Block)
G4	Yooroang Garang: Indigenous Support Unit (T Building)
G4	Graduate Program in Sexual Health (T Building)

Student services

E4	Counselling service (A Block)
E4	Disability service (A Block)
E4	International student support service (A Block)
E4	Learning centre (A Block)
E4	Lost property (A Block)
E4	Official notice board (Block A, courtyard entrance side)
F3	Official notice board (Block R, outside main entrance)
F3	Open access computer laboratories (B Building)
F2	Research Student Inquiries (Research & Innovation Office) (G Building)
E4	Student central (F Block)
G3	Student residence (Y Building)
E4	Student services (A Block)

Library

F3	Health Sciences Library (R Block)
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Security

E5	Emergency
E5	Parking

University administration and services

D2	Building and grounds (W Building)
F4	Central store (F Block)
E4	Dean's office (A Block)
E4	Faculty services (A Block)
E4	Finance / Cashier (A Block)
F3	Information Technology services (B Block)
E4	Learning & Teaching office (A Block)
E4	Marketing (A Block)
F3	Printing (R Block)
E4	Property services (A Block)
E4	Purchasing (A Block)
F2	Research & Innovation office (G Block)

Retail

F4	Campus bookstore (U Building)
F4	Campus Rewards administration (U Building)
F4	JDV food court (U Building)
F4	The Depot & Rewards information (F Block)

Sport and recreation venues

B3	Oval
C4	Sport centre (V Building)
C4	Tennis courts