The University of Sydney

'09

Health Sciences

handbook 2009

Set a course for Handbooks online: www.usyd.edu.au/handbooks

Acknowledgements

The Arms of the University

Sidere mens eadem mutato

Though the constellation may change
the spirit remains the same

Copyright

This work is copyright. No material anywhere in this work may be copied, reproduced or further disseminated – unless for private use or study – without the express and written permission of the legal holder of that copyright. The information in this handbook is not to be used for commercial purposes.

Official course information

Faculty handbooks and their respective online updates along with the *University of Sydney Calendar* form the official legal source of information relating to study at the University of Sydney. Please refer to the following websites:
www.usyd.edu.au/handbooks
www.usyd.edu.au/calendar

Amendments

All authorised amendments to this handbook can be found at www.usyd.edu.au/handbooks/handbooks_admin/updates2009

Disability access

Accessible versions of this document in Microsoft Word are available at www.usyd.edu.au/handbooks/handbooks_disability/index

Resolutions

The Coursework Clause

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.

Handbook purchases

You can purchase handbooks at the Student Centre, or online at www.usyd.edu.au/handbooks

Production

Digital and Print Media Office
Website: www.usyd.edu.au/digital_print_media

Printing

SOS Print and Media

Handbook enquiries

For any enquiries relating to the handbook, please email the handbook editors at info@publications.usyd.edu.au

Address

University of Sydney
NSW 2006, Australia
Phone: + 61 2 9351 2222
Website: www.usyd.edu.au

CRICOS Provider Code 00026A

ISSN: 1834-9544
ISBN: 978-1-74210-070-8

Important dates

University semester and vacation dates for 2009

Summer/Winter School lectures	**Dates**
Summer School – December program	Begins: Monday 8 December
Summer School – main program	Begins: Monday 5 January
Summer School – late January program	Begins: Monday 19 January
Winter School – main program	Monday 29 June to Saturday 25 July
Semester One	**Dates**
International student orientation (Semester 1) – STABEX	Monday 16 February and Tuesday 17 February
International student orientation (Semester 1) – full degree	Wednesday 18 February and Thursday 19 February
Lectures begin	Monday 2 March
AVCC Common Week/non-teaching Easter period	Friday 10 April to Friday 17 April
International application deadline (Semester 2) *	Thursday 30 April *
Last day of lectures	Friday 5 June
Study vacation	Monday 8 June to Friday 12 June
Examination period	Monday 15 June to Saturday 27 June
Semester ends	Saturday 27 June
AVCC Common Week/non-teaching period	Monday 6 July to Friday 10 July
Semester Two	**Dates**
International student orientation (Semester Two) – STABEX	Monday 20 July and Tuesday 21 July
International student orientation (Semester Two) – full degree	Wednesday 22 July and Thursday 23 July
Lectures begin	Monday 27 July
AVCC Common Week/non-teaching period	Monday 28 September to Friday 2 October
Last day of lectures	Friday 30 October
International application deadline (for Semester 1, 2010) *	Saturday 31 October *
Study vacation	Monday 2 November to Friday 6 November
Examination period	Monday 9 November to Saturday 21 November
Semester ends	Saturday 21 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 2009

Semester 1 – units of study	**Dates**
Last day to add a unit	Friday 13 March
Last day for withdrawal	Tuesday 31 March
Last day to discontinue without failure (DNF)	Friday 24 April
Last to discontinue (Discontinued – Fail)	Friday 5 June
Semester 2 – units of study	**Dates**
Last day to add a unit	Friday 7 August
Last day for withdrawal	Monday 31 August
Last day to discontinue without a failure (DNF)	Friday 11 September
Last day to discontinue (Discontinued – Fail)	Friday 30 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	Monday 26 January
Good Friday	Friday 10 April
Easter Monday	Monday 13 April
Anzac Day	Monday 27 April
Queen's Birthday	Monday 8 June
Labour Day	Monday 5 October

How to use this handbook

What is a handbook?

The handbook is an official publication and an essential guide for every student who studies at the University of Sydney. It is an important source of enrolment information. It can also help you with more than just planning your course of study.

As a student at the University of Sydney you need to be aware of course structures and content, who your lecturers are, as well as examination procedures.

You should also become familiar with University policies and faculty rules and regulations. The handbook will supply a lot of this information.

It will also point you to places and people around the University who can help with enquiries about library loans, child care, fees, casual employment, places to eat and stay, support groups and much more.

What new students need to know

- terminology used for courses and programs of study
- semester dates and examination periods
- important contact details
- how to plan your study program
- rules and policies on assessment, satisfactory progression, honours, and so on
- what University services are available and where to find them
- how to get around campus.

At the beginning of many of these chapters there will be explanations to help you proceed further.

Where to find information

Course terminology

University terminology, such as 'credit point', 'unit of study', and 'WAM', can be found in the **Abbreviations** and **Glossary** chapters, at the back of this handbook.

Dates

The start and finish dates of semester can be found in the front section of the handbook. Summer and Winter School dates are in the General University section at the back of the handbook.

Contents and index

The comprehensive **Contents** section at the front of the handbook explains the details you'll find within each chapter.

You'll find information like:

- how and where to contact faculty staff
- how to select your units of study and programs
- a list of degrees
- detailed information on all units of study, classified by unit identifiers (a four-alpha, four-digit code and a title)
- electives and streams
- scholarships and prizes
- information specific to faculties.

The **Index** lists units of study only. It allows you to check every reference which refers to your unit of study within the handbook. It is divided into two parts, and lists units of study alphabetically (by course name) and again by course code (alphanumeric).

Colour-coded sections

- Ivory – for undergraduate courses
- Blue – for postgraduate courses

Faculty rules and regulations

Faculty resolutions are the rules and regulations pertaining to a specific faculty. They can generally be found in their own chapter, or next to the relevant units of study.

These should be read along with the University's own *Coursework Rule 2000 (as amended)* which can be found in the **Essential information for students** chapter near the end of this book. Together they outline the agreement between student and faculty, and student and University.

General University information

This is information about the University in general, rather than information specific to the faculty. This information is at the back of the book and includes, among other things:

- University terminology and abbreviations
- campus maps to help you find your way around
- Summer and Winter School information
- international student information
- student services.

Course planner

You might like to plot the course of your degree as you read about your units of study. Use the planner at the back of this handbook.

Timetables

For information about personal timetables, centrally timetabled units of study, and venue bookings, see:
www.usyd.edu.au/studentcentre/timetabling.shtml

For the session calendar, see:
http://web.timetable.usyd.edu.au/calendar.jsp

Students with a disability

For accessible (word, pdf and html) versions of this document, see:
www.usyd.edu.au/handbooks/handbooks_disability

You can find information on Disability Services in the General University information section of the handbook. The service can provide information regarding assistance with enrolment and course requirement modifications where appropriate.

For details on registering with the service and online resources, see the Disability Services website: www.usyd.edu.au/disability

Handbook updates

The information in this handbook is current at the time of publication. Further information on University policies, such as plagiarism and special consideration, can be found on the University's website, along with official handbook amendments.

www.usyd.edu.au/handbooks/handbooks_admin/updates2009

Feedback regarding this handbook is welcome.
info@publications.usyd.edu.au

Contents

Important dates **i**
University semester and vacation dates for 2009 i
Last dates for withdrawal or discontinuation for 2009 i

How to use this handbook **iii**
What is a handbook? iii
What new students need to know iii
Where to find information iii
Timetables iii
Students with a disability iii
Handbook updates iii

Faculty of Health Sciences handbook **1**
Welcome from the Dean 1
Introduction 2
University dates 2
Use of this handbook 2

1. Staff **3**
Faculty of Health Sciences 3
Staff Development 3
Community and Development 3
Research and Innovation 3
Research Groups 3
Learning and Teaching 4
Disciplines 5
Centres 8
Faculty Services 8

2. Guide to the Faculty **11**
Objectives 11
Academic governance 11
Structure 11
Centres 11
Inter-institutional agreements and links 12

3. Admission and course information **13**
Course enquiries 13
Admission requirements – undergraduate courses 13
Admission requirements – graduate courses 13
Course applications: local students 13
Undergraduate course applications 13
Postgraduate coursework applications 14
Applications for research degrees 14
Non-award enrolment for undergraduate and postgraduate students 14
Cross-institutional enrolment for undergraduate and postgraduate students 14
Course applications: international students 14
Undergraduate courses 14
Postgraduate coursework applications 14
Core knowledge areas – undergraduate courses 15
Knowledge expected of commencing undergraduate students 15
Preparatory courses 16
Undergraduate honours programs 16
Summary of courses 17
Units of study numbering system 20

4. Student administrative information **21**
Enrolment 21
Credit transfer 21
Suspension of candidature, special leave, discontinuation 22
Examinations and assessment 23
Relevant University policies and procedures 25
Other regulations 26

5. Prizes and scholarships **27**
Undergraduate and postgraduate prizes and awards 27
Scholarships and bursary 30
Postgraduate awards 31

6. Clinical education **33**
Exercise and Sport Science 35
Health Informatics 37
Indigenous Health Studies 37
Medical Radiation Sciences 38
Occupational Therapy 40
Orthoptics 41
Physiotherapy 41
Rehabilitation Counselling 43
Government departments and agencies 43
Speech Pathology 43

7. Bachelor of Health Sciences **45**
Table 7.1: Bachelor of Health Sciences (Pass) 45
Table 7.1.1: Bachelor of Health Sciences (Honours) 46
Table 7.2 Bachelor of Health Sciences (Pass) 47
Table 7.3 : Bachelor of Health Sciences with a Hearing and Speech second major 48
Table 7.4 : Bachelor of Health Sciences with a Movement Science second major 49
Bachelor of Health Sciences/Master of Nursing 50
Table 7.5: Bachelor of Health Sciences/Master of Nursing 50

8. Behavioural and Social Sciences in Health **53**
Bachelor of Behavioural Health Science 53
Table 8.1: Bachelor of Behavioural Health Science (Honours) 53

9. Exercise and Sport Science **55**
Bachelor of Applied Science (Exercise and Sport Science) 55
Table 9.1: Bachelor of Applied Science (Exercise and Sport Science) Pass 57
Table 9.2: Bachelor of Applied Science (Exercise and Sport Science) Pass 58
Table 9.2.1: Bachelor of Applied Science (Exercise and Sport Science) Honours 59
Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) 60
Table 9.3: Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition) 61
Table 9.4: Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition) 63
Bachelor of Applied Science (Exercise, Sport Science and Nutrition) 65
Table 9.5: Bachelor of Applied Science (Exercise, Sport Science and Nutrition) 66
Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing 66
Table 9.6: Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing 67

10. Health Informatics **71**
Bachelor of Applied Science (Health Information Management) 71
Table 10.1: Bachelor of Applied Science (Health Information Management) Pass 72
Table 10.1.1: Bachelor of Applied Science (Health Information Management) Honours 72
Professional experience 72

11. Indigenous Health Studies **73**
Bachelor of Health Science (Aboriginal Health and Community Development) 73
Table 11.1: Bachelor of Health Science (Aboriginal Health and Community Development) Pass 74
Aboriginal Health and Community Development electives 74
Aboriginal Health Science Support Program 75
Table 11.2: Aboriginal Health Science Support Program 75
Cadigal program 76
Aboriginal Health Science Preparatory Program 76
Table 11.3: Aboriginal Health Science Preparatory Program 76

12. Medical Radiation Sciences **77**
Bachelor of Applied Science (Medical Radiation Sciences) 77
Table 12.1: Bachelor of Applied Science (Medical Radiation Sciences) Pass 78
Table 12.1.1: Bachelor of Applied Science (Medical Radiation Sciences) Honours 81
Clinical education 82
Clinical education dates – Bachelor of Applied Science (Medical Radiation Sciences) 83

13. Occupational Therapy **85**
Bachelor of Applied Science (Leisure and Health) 85
Table 13.1: Bachelor of Applied Science (Leisure and Health) Off-campus 85
Bachelor of Applied Science (Occupational Therapy) 86
Table 13.2: Bachelor of Applied Science (Occupational Therapy) Pass 86
Table 13.2.1: Bachelor of Applied Science (Occupational Therapy) Honours 88
Table 13.3: Bachelor of Applied Science (Occupational Therapy) 88
Professional practice 90
Uniforms 90

14. Orthoptics **91**
Bachelor of Applied Science (Orthoptics) 91
Table 14.1: Bachelor of Applied Science (Orthoptics) Pass 91
Table 14.1.1: Bachelor of Applied Science (Orthoptics) Honours 92
Clinical Education 92

15. Physiotherapy **95**
Bachelor of Applied Science (Physiotherapy) 95
Table 15.1: Bachelor of Applied Science (Physiotherapy) Pass 96
Table 15.1.1: Bachelor of Applied Science (Physiotherapy) Honours 98
Table 15.2: Bachelor of Applied Science (Physiotherapy) Pass 98
Table 15.2.1: Bachelor of Applied Science (Physiotherapy) Honours 99
Clinical education 100
Physiotherapy practicum dates 100
Uniform requirements for clinical practice 100

16. Rehabilitation Counselling **101**
Bachelor of Health Science (Rehabilitation Counselling) 101
Table 16.1: Bachelor of Health Science (Rehabilitation Counselling) Pass 101
Table 16.1.1: Bachelor of Health Science (Rehabilitation Counselling) Honours 101
Electives for Bachelor of Health Science (Rehabilitation Counselling) 102
Field experience and professional practice 102
Field placement dates 103

17. Speech Pathology **105**
Bachelor of Applied Science (Speech Pathology) 106
Table 17.1: Bachelor of Applied Science (Speech Pathology) Pass 106
Table 17.1.1 Bachelor of Applied Science (Speech Pathology) Honours 108
Table 17.2: Bachelor of Applied Science (Speech Pathology) Pass 109
Table 17.2.1: Bachelor of Applied Science (Speech Pathology) Honours 111
Bachelor of Health Science (Hearing and Speech) 112
Table 17.3: Bachelor of Health Science (Hearing and Speech) Pass 112
Table 17.3.1: Bachelor of Health Science (Hearing and Speech) Honours 113
Clinical education and fieldwork 113
Dates 113

18. Singapore conversion courses **115**
Bachelor of Health Science (Nursing) 115
Table 18.1: Bachelor of Health Science (Nursing) Off-shore Singapore based 115
Bachelor of Health Science (Physiotherapy) 116
Table 18.2: Bachelor of Health Science (Physiotherapy) 116
Bachelor of Health Science (Occupational Therapy) 117
Table 18.3: Bachelor of Health Science (Occupational Therapy) 117
Bachelor of Health Science (Medical Radiation Technology) 118
Table 18.4: Bachelor of Health Science (Medical Radiation Technology) 118

19. Undergraduate units of study **121**
Faculty elective list 121
Unit of study descriptions 122

20. Postgraduate studies and faculty degrees **179**
Research degrees 179
Coursework programs 179
Faculty degrees 179
Graduate Certificate of Health Sciences 179
Master of Health Sciences 179
The generalist stream 180
Table 20.1: Graduate Certificate of Health Sciences 181
Table 20.2: Master of Health Sciences 181
The Gerontology stream 181
Table 20.3: Graduate Certificate of Health Sciences with a Gerontology stream 182
Table 20.4: Master of Health Sciences with a Gerontology stream 182
The Indigenous Health stream 183
Table 20.5: Graduate Certificate of Health Sciences with an Indigenous Health stream 183
Table 20.6: Master of Health Sciences with an Indigenous Health stream 184
The Occupational Therapy stream 184
Graduate Certificate of Health Sciences with an Occupational Therapy stream 184
Specialisations within the Occupational Therapy stream of the Graduate Certificate of Health Sciences 185
Table 20.7.1: Occupational Therapy: generalist specialisation 185
Table 20.7.2: Occupational Therapy: Environment and Access specialisation 185
Table 20.7.3: Occupational Therapy: Gerontology specialisation 186
Table 20.7.4: Occupational Therapy: Paediatrics specialisation 186
Master of Health Sciences with an Occupational Therapy stream 187
Specialisations within the Occupational Therapy stream of the Master of Health Sciences 187
Table 20.8.1: Occupational Therapy: generalist specialisation 187
Table 20.8.2: Occupational Therapy: Environment and Access specialisation 188
Table 20.8.3: Occupational Therapy: Gerontology specialisation 189
Table 20.8.4: Occupational Therapy: Paediatrics specialisation 189
The Orthoptics stream 190
Table 20.9: Graduate Certificate of Health Sciences with an Orthoptics stream 190
Table 20.10: Master of Health Sciences with an Orthoptics stream 191
The Speech Pathology stream 191
Table 20.11: Graduate Certificate of Health Sciences with a Speech Pathology stream 192
Table 20.12: Master of Health Sciences with a Speech Pathology stream 192
Table 20.13: Master of Health Sciences (Honours) 193
Graduate Studies in Developmental Disability 193
Graduate Certificate of Health Science (Developmental Disability) 193
Table 20.14: Graduate Certificate of Health Science (Developmental Disability) 194
Master of Health Science (Developmental Disability) Pass and Honours 194
Table 20.15: Master of Health Science (Developmental Disability) Pass 195
Table 20.15.1: Master of Health Science (Developmental Disability) Honours 196
Electives for Graduate Studies in Developmental Disability 196
Graduate Studies in Sexual Health 197
Graduate Certificate of Health Science (Sexual Health) 197
Table 20.16: Graduate Certificate of Health Science (Sexual Health) 198
Graduate Diploma of Health Science (Sexual Health) 198
Table 20.17: Graduate Diploma of Health Science (Sexual Health) 198
Master of Health Science (Sexual Health) 199
Table 20.18: Master of Health Science (Sexual Health) 200
Master of Health Science (Sexual Health) elective list 201

21. Behavioural and Social Sciences in Health **203**
Master of Health Science (Behavioural Science) 203
Table 21.1: Master of Health Science (Behavioural Science) Pass 203
Table 21.1.1: Master of Health Science (Behavioural Science) Honours 203
Master of Health Science (Child and Adolescent Health) 204
Table 21.2: Master of Health Science (Child and Adolescent Health) Pass 204
Table 21.2.1: Master of Health Science (Child and Adolescent Health) Honours 204
Health Science (Education) 204
Table 21.3: Graduate Certificate of Health Science (Education) 206
Table 21.4: Graduate Diploma of Health Science (Education) 206
Table 21.5: Master of Health Science (Education) Pass 207

Table 21.5.1: Master of Health Science (Education) Honours 207
Behavioural and Community Health Sciences electives 208

22. Exercise and Sport Science 211

Master of Exercise Physiology 211
Table 22.1: Master of Exercise Physiology 212
Table 22.1.1: Master of Exercise Physiology (Honours) 212
Graduate Certificate of Health Science (Exercise and Sport Science) 213
Table 22.2: Graduate Certificate of Health Science (Exercise and Sport Science) 213
Graduate Diploma of Health Science (Exercise and Sport Science) 214
Table 22.3: Graduate Diploma of Health Science (Exercise and Sport Science) 214
Master of Exercise and Sport Science (Clinical Exercise Science) 215
Table 22.4: Master of Exercise and Sport Science (Clinical Exercise Science) Pass 215
Table 22.4.1: Master of Exercise and Sport Science (Clinical Exercise Science) Honours 217
Master of Exercise and Sport Science (Sports Performance) 217
Table 22.5: Master of Exercise and Sport Science (Sports Performance) Pass 217
Table 22.5.1: Master of Exercise and Sport Science (Sports Performance) Honours 218

23. Health Informatics 221

Bachelor of Health Sciences/Master of Health Informatics 221
Table 23.1: Bachelor of Health Sciences/Master of Health Informatics 221
Table 23.1.1: Bachelor of Health Sciences/Master of Health Informatics (Honours) 223
Graduate Certificate of Health Science (Clinical Data Management) 223
Table 23.2: Graduate Certificate of Health Science (Clinical Data Management) 223
Master of Health Science (Clinical Data Management) 224
Table 23.3: Master of Health Science (Clinical Data Management) Pass 224
Table 23.3.1: Master of Health Science (Clinical Data Management) Honours 225
Master of Health Informatics 225
Table 23.4: Master of Health Informatics 226
Table 23.4.1: Master of Health Informatics (Honours) 228
Master of Health Science (Health Informatics) 228
Table 23.5: Master of Health Science (Health Informatics) Pass 229

24. Medical Radiation Sciences 231

Graduate entry programs 231
Master of Diagnostic Radiography 231
Table 24.1: Master of Diagnostic Radiography (Pass) 232
Table 24.1.1: Master of Diagnostic Radiography (Honours) 233
Master of Nuclear Medicine 233
Table 24.2: Master of Nuclear Medicine (Pass) 234
Table 24.2.1: Master of Nuclear Medicine (Honours) 235
Master of Radiation Therapy 235
Table 24.3: Master of Radiation Therapy (Pass) 236
Table 24.3.1: Master of Radiation Therapy (Honours) 237
Graduate entry electives 237
Graduate Certificate of Health Science (Medical Radiation Sciences) 238
Table 24.4: Graduate Certificate of Health Science (Medical Radiation Sciences) 238
Graduate Diploma of Health Science (Medical Radiation Sciences) 238
Table 24.5: Graduate Diploma of Health Science (Medical Radiation Sciences) 239
Master of Health Science (Medical Radiation Sciences) 239
Table 24.6: Master of Health Science (Medical Radiation Sciences) 240
Medical Radiation Sciences electives 240
Graduate Certificate of Health Science (Medical Sonography) 242
Table 24.7: Graduate Certificate of Health Science (Medical Sonography) 242
Graduate Diploma of Health Science (Medical Sonography) 242
Table 24.8: Graduate Diploma of Health Science (Medical Sonography) 243
Master of Health Science (Medical Sonography) 243
Table 24.9: Master of Health Science (Medical Sonography) 244
Medical Sonography Electives 245

25. Occupational Therapy 247

Master of Occupational Therapy 247
Table 25.1 Master of Occupational Therapy 247
Table 25.1.1: Master of Occupational Therapy (Honours) 249
Master of Health Science (Occupational Therapy) 250
Table 25.2: Master of Health Science (Occupational Therapy) Pass 251
Table 25.2.1: Master of Health Science (Occupational Therapy) Honours 251
Master of Health Science (Occupational Therapy) electives 251
Electives for Master of Health Science (Occupational Therapy) 252

26. Orthoptics 255

Bachelor of Health Sciences/Master of Clinical Vision Sciences 255
Table 26.1: Bachelor of Health Sciences/Master of Clinical Vision Sciences 255
Table 26.2: Bachelor of Health Sciences/Master of Clinical Vision Sciences 256
Master of Orthoptics 257
Table 26.3: Master of Orthoptics 258
Table 26.4: Master of Orthoptics 258

27. Physiotherapy 261

Master of Physiotherapy (Graduate Entry Master's Program) 261

Table 27.1: Master of Physiotherapy (Graduate Entry Master's Program) 262
Master of Health Science (Physiotherapy) 263
Table 27.2: Master of Health Science (Physiotherapy), Cardiopulmonary Physiotherapy stream 263
Table 27.3: Master of Health Science (Physiotherapy), Manipulative Physiotherapy stream 264
Table 27.4: Master of Health Science (Physiotherapy), Neurological Physiotherapy stream 266
Table 27.5: Master of Health Science (Physiotherapy), Paediatric Physiotherapy stream 267
Table 27.6: Master of Health Science (Physiotherapy), Sports Physiotherapy stream 268
Note: The following courses are no longer open to new enrolments. The information provided is for continuing students already enrolled in these programs. 269
Table 27.7: Master of Health Science (Cardiopulmonary Physiotherapy) 269
Table 27.8: Master of Health Science (Manipulative Physiotherapy) 270
Table 27.9: Master of Health Science (Neurological Physiotherapy) 271
Table 27.10: Master of Health Science (Paediatric Physiotherapy) 271
Table 27.11: Master of Health Science (Physiotherapy) 272
Table 27.12: Master of Health Science (Sports Physiotherapy) 273
Table 27.13: Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) 274

28. Rehabilitation Counselling 275

Bachelor of Health Sciences/Master of Rehabilitation Counselling 275
Table 28.1: Bachelor of Health Sciences/Master of Rehabilitation Counselling 275
Table 28.2: Bachelor of Health Sciences/Master of Rehabilitation Counselling 276
Graduate Diploma in Rehabilitation Counselling/Master of Rehabilitation Counselling 278
Table 28.3: Graduate Diploma in Rehabilitation Counselling 278
Table 28.4: Master of Rehabilitation Counselling 280
Table 28.5: Master of Rehabilitation Counselling 281
Field experience and professional practice 283

29. Speech Pathology 285

Graduate Diploma in Communication Disorders 285
Table 29.1: Graduate Diploma in Communication Disorders 286
Master of Speech Language Pathology 286
Table 29.2: Master of Speech Language Pathology (Pass) 287
Master of Speech Language Pathology (Honours) 289
Table 29.2.1: Master of Speech Language Pathology (Honours) 289
Master of Health Science (Speech-Language Pathology), off-campus 290
Table 29.3: Master of Health Science (Speech-Language Pathology) 290

30. Singapore postgraduate courses 293

Master of Health Science (Education) 293
Table 30.1: Master of Health Science (Education) Pass 294
Master of Health Science (Education) Honours 295
Table 30.1.1: Master of Health Science (Education) Honours 295
Master of Health Science (Gerontology) 295
Table 30.2: Master of Health Science (Gerontology) Pass 295
Table 30.2.1: Master of Health Science (Gerontology) Honours 296
Master of Health Science (Management) 297
Table 30.3: Master of Health Science (Management) Pass 297
Table 30.3.1: Master of Health Science (Management) Honours 298

31. Research degrees 299

Doctor of Philosophy (PhD) 299
Doctor of Health Science (HScD) 300
Table 31.1: Doctor of Health Science 302
Master of Applied Science (MAppSc) 303
Master of Applied Science – SC108 304
Australian Stuttering Research Centre – SC057 304
Master of Applied Science (Behavioural Science) – SC035 305
Master of Applied Science (Communication Sciences and Disorders) – SC052 305
Master of Applied Science (Education) – SC117 305
Master of Applied Science (Exercise and Sport Science) – SC120 305
Master of Applied Science (Gerontology) – SC118 305
Master of Applied Science (Health Information Management) – SC011 306
Master of Applied Science (Indigenous Community Health) – SC068 306
Master of Applied Science (Medical Radiation Sciences) – SC045 306
Master of Applied Science (Occupational Therapy) – SC008 306
Master of Applied Science (Orthoptics) – SC032 306
Master of Applied Science (Physiotherapy) – SC025 307
Master of Applied Science (Rehabilitation Counselling) – SC023 307
Master of Communication Disorders – SC044 307

32. Postgraduate units of study 309

Faculty elective lists 309
Unit of study descriptions 311

33. Facilities and services 373

Campus Property and Services (Cumberland) 373
Child care Cumberland Campus 373
Cumberland Student Guild (CSG) 373
Faculty of Health Sciences Alumni Association 374
Health Sciences Library 374
Official noticeboards 375
Student Services Cumberland Campus 375

34. Resolutions of the Senate and the Faculty 377
Resolutions of the Senate 377
Constitution of the Faculty of Health Sciences 377
Degrees, diplomas and certificates in the Faculty of Health Sciences 377
Bachelor of Applied Science 377
Bachelor of Health Science 378
Bachelor of Health Sciences 378
Bachelor of Behavioural Health Science 378
Bachelor of Health Sciences and Master of Clinical Vision Sciences 378
Bachelor of Health Sciences and Master of Health Information Management 378
Bachelor of Health Sciences and Master of Rehabilitation Counselling 379
Masters degrees 379
Master of Health Informatics 381
Coursework courses 381
Master of Health Sciences 381
Graduate Diploma in Health Sciences (Exit only) 381
Graduate Certificate in Health Sciences 381
Master of Health Science (Physiotherapy) 381
RESOLUTIONS OF THE SENATE 381
Master of Exercise Physiology 381
Master of Exercise and Sport Science 381
Doctor of Health Science 382
Diploma of Health Science 383
Graduate diplomas and graduate certificates 383
Resolutions of the Faculty 384
Bachelor of Applied Science 384
Bachelor of Health Science 385
Bachelor of Health Sciences 385
Combined degrees of Bachelor of Health Sciences and Master of Clinical Vision Sciences 386
Combined degrees of Bachelor of Health Sciences and Master of Health Informatics 387
Combined degrees of Bachelor of Health Sciences and Master of Rehabilitation Counselling 387
Master of Health Sciences 389
Graduate Diploma in Health Sciences 389
Graduate Certificate in Health Sciences 389
Master of Health Sciences 389
Graduate Diploma in Health Sciences (Exit only) 389
Graduate Certificate in Health Sciences 389
Master of Exercise Physiology 391
Policies 393

The Sydney Summer and Winter Schools 395
Advantages 395
How to apply 395
Census dates 395
Withdrawal and refund policy 395
Transferring between subjects 395
Summer and Winter School scholarships 395
For more information 395

General University information 397
Academic progression 397
Accommodation Service 397
Admissions Office 397
Applying for a course 398
Attendance 398
Bus service 398
Campuses 398
Careers Centre 398
Centre for Continuing Education (CCE) 398
Centre for English Teaching (CET) 399
Child Care Information Office 399
The Co-op Bookshop 399
Counselling Service 399
Disability Services 399
Employment opportunities for students 400
Enrolment 400
Environmental Policy 400
Equity Support Services 400
Examinations 400
Fees 400
Financial Assistance Office 400
Freedom of Information 400
Graduations Office 401
Grievances and appeals 401
HECS and Fees Office 401
Information and Communications Technology (ICT) 401
International Office 401
International Student Support Unit (ISSU) 401
Koori Centre and Yooroang Garang 402
Learning Centre 402
Library 402
Mathematics Learning Centre 402
Museums and galleries 403
MyUni Student Portal 403
Orientation and O-Week 403
Part-time, full-time attendance 404
Policy Online 404
Printing Service 404
Privacy 404
Research Office 404
Scholarships for undergraduates 404
Security Services 405
Service Management, Information and Communications Technology (ICT) 405
Staff and Student Equal Opportunity Unit (SSEOU) 405
Student Administration and Support 405
Student Centre 405
Student identity cards 406
Sydney Student Development 406
Sydney Summer School 406
Sydney Welcome Orientation and Transition Program (SWOT) 406
The University of Sydney Foundation Program (USFP) 406
Timetabling Unit 406

University Health Service 406

Student organisations 407

Students' Representative Council (SRC) 407

Sydney University Postgraduate Representative Association (SUPRA) 407

University of Sydney Union (USU) 407

Sydney Uni Sport & Fitness 408

International students 409

Completion within the expected duration 409

Satisfactory academic progress 409

Distance/web-based study 409

Work permits 409

Change of address 409

Sponsored students 409

Suspension/discontinuation 409

Overseas student health cover 409

The University of Sydney Foundation Program (USFP) 409

International Office 410

International Student Support Unit 410

Essential information for students 411

Calendar 411

Coursework Rule 411

PhD Rule 411

Plagiarism 411

Students at Risk Policy 411

Grievance procedure 411

Abbreviations 413

Glossary 415

Index by alpha code 427

Index by name 439

Faculty of Health Sciences handbook

Welcome from the Dean

It is with great pleasure that I welcome you to the Health Sciences faculty at the University of Sydney.

With the ever increasing demand on health care services and the rapid emergence of new technology and practices, it is indeed an exciting time to be studying health sciences. Our faculty is highly regarded nationally and internationally for its research and education programs.

Choosing to study with us puts you at the forefront of this evolving field, and opens up a world of opportunities to collaborate with and learn from internationally regarded academics.

The Faculty of Health Sciences is proud of its diverse and talented student body, with students studying across 10 disciplines and six thematic research groups. Our faculty consistently engages with the community and our research is professionally linked. We closely follow new needs and trends in the health professions and our staff are committed to ensuring that our programs are relevant and engaging.

The faculty offers a diverse range of courses and units or study across the 10 disciplines of behavioral and social sciences in health, exercise and sport science, health informatics, medical radiation sciences, occupational therapy, physiotherapy, rehabilitation counselling, speech pathology, orthoptics, and indigenous health studies.

As shown in this handbook, the breadth of our expertise is impressive. Our broad array of programs cater for those seeking to enter the health care professions, those looking for a career change, and professionals wanting to further their studies or research in their chosen field.

The faculty is pleased to announce developments in our course offerings for 2009. The past year has seen significant development of our Bachelor of Health Sciences (BHS) undergraduate program to ensure that it is not only flexible to students needs, but also equips them with the foundation skills needed to progress to our Graduate Entry Master's (GEM) programs.

In fact, the faculty has such faith in the caliber of BHS graduates that we have introduced a GEM Guarantee for our 2009 intake that ensures that students who attain a minimum credit grade average, and undertake the appropriate major, are provided with a guaranteed place into the relevant GEM program.

This provides a fantastic opportunity for students to plot their study pathway right through to professional preparation leading to accreditation in their chosen field.

The Graduate Entry Master's degrees continue to be the leading postgraduate professional preparation courses in health sciences and in 2009 the faculty is introducing a new program in exercise physiology. The Master of Exercise Physiology trains graduates to use exercise to prevent or manage chronic disease, injury and disability. The unique program gives students the 500 hours of supervised clinical practice they need to qualify for accreditation as an exercise physiologist. This is a prime example of the faculty's willingness to adapt to the evolving needs of the health care professions and ensure that our students are well equipped to enter the workforce.

The faculty also continues to excel in our research in rehabilitation, disability, healthy ageing, preventive health care and exercise, and health and performance. The work conducted by our research teams has an enormous impact on the health and quality of life of our community: from increasing mobility and functional independence for spinal cord injury and stroke patients to developing the world's first, evidence-based treatment for stuttering in pre-school children. The ground breaking caliber of our research has ensured that our international reputation continues to grow, allowing us to attract Australia's leading academics and researchers.

Our vast suite of programs cater for people either seeking to enter the rapidly growing health care workforce or for those established professionals seeking to advance their career aspirations.

The Faculty of Health Sciences continues to build on its research capabilities and in making a world of difference to the quality of people's lives both nationally and abroad. The faculty leads the way in research in rehabilitation, disability, healthy ageing, preventive health care, and exercise, health and performance. Early career researchers are supported by faculty research groups which allows them access to the latest research facilities in addition to the collective intellect of Australia's leading academics and researchers in their field of study.

I wish you all the best in your academic endeavours in 2009.

Professor Gwynnyth M Llewellyn
Dean

Introduction

This handbook is the official guide to the courses offered in the Faculty of Health Sciences located at the Cumberland campus of the University of Sydney. The handbook was prepared in advance of the 2009 academic year to maximise its usefulness as a reference to students, staff, and to 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:

- Aboriginal Health and Community Development
- Behavioural Sciences
- Biomedical Sciences
- Cardiopulmonary Physiotherapy
- Child and Adolescent Health
- Clinical Data Management
- Developmental Disability
- Diagnostic Radiography
- Exercise and Sport Science
- Gerontology
- Health Informatics
- Health Sciences
- Health Science Education
- Hearing and Speech
- Indigenous Community Health
- Manipulative Physiotherapy
- Medical Radiation Sciences
- Medical Sonography
- Neurological Physiotherapy
- Nuclear Medicine
- Occupational Therapy
- Orthoptics
- Paediatric Physiotherapy
- Physiotherapy
- Radiation Therapy
- Rehabilitation
- Rehabilitation Counselling
- Sexual Health
- Speech Pathology
- Sports Physiotherapy
- Stuttering

University dates

Please see 'Important dates' in the front section of this book, for the information about the University of Sydney semester and vacation dates for 2009. University website:
www.usyd.edu.au/fstudent/undergrad/apply/scm/dates.shtml

Use of this handbook

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

- The undergraduate (ivory) section contains **Chapters 7 to 20**. Users will also be able to find a descriptor of each discipline in this section.
- The postgraduate (blue) section contains **Chapters 21 to 35**.
- The **Common information** (uncoloured) 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 2008' for the relevant stage of their course. See your course coordinator, 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, assessment for the units offered in each course for the current academic year.

Clinical Education

Many courses include Clinical Education/Professional Practice as a requirement for completion of a course. Information regarding Clinical Education can be found in **Chapter 6**.

1. Staff

Note: unless otherwise specified, the qualifications listed are from the University of Sydney.

Faculty of Health Sciences

Dean
Professor Gwynnyth M Llewellyn, BA MEd DipContEd *UNE* DipOT *NSWCollOT* PhD

Executive Assistant to the Dean
tba

Pro-Dean
Associate Professor Martin W Thompson, MSc *Lough* PhD *Lond* DipPE TSTC *Melb* AdvDipPE *Leeds*

Acting Executive Assistant to the Pro-Dean
Peggy Timmins

Associate Deans

Associate Dean and Director, Research and Innovation
Professor Kathryn M Refshauge, MBiomedE PhD *UNSW* DipPhty GradDipManipTher *Cumb*

Associate Dean and Director, Learning and Teaching
Dr Steven Cumming, BA MA(Psych) *Tas* PhD *UNSW*

Associate Dean and Director, Staff Development
Associate Professor Gerard Sullivan, BBSc DipEd *LaTrobe* MA PhD *Hawaii*

Sub-Deans
Undergraduate Coursework and Students:
Dr Christine Chapparo, MA PhD *Macq* DipOT, OTR FAOTA
Research Higher Degrees Students:
Associate Professor Glen Davis, BPE *Ott* MA *WOnt* PhD *Tor*, FACSM
Clinical Education and Professional Fieldwork:
Dr Catherine Dean, BAppSc(Phty) *Cumb* MA *Col* PhD
Curriculum Review and Development:
Jane E Gamble, BAppSc(OT) *Lincoln* MHPEd *UNSW*
Graduate Coursework and Studies:
Dr Mairwen Jones, BA PhD, RN RPN

Staff Development

Associate Dean, Staff Development
Associate Professor Gerard Sullivan, BBSc DipEd *LaTrobe* MA PhD *Hawaii*

Staff Development Officer
Meredith Provan
Kelisha Lyndon

Community and Development

Manager, Marketing and Communication
Erika Anza-Mosman, BCom *Murdoch*

Communications Manager
Michelle Cario, BCA BCMS *Woll*

Assistant Marketing Manager
Nicolina Nouwens

Events Coordinator
Cindy Lu, MIB MA(Comm) *Macq*

Alumni and Development
Karina Quinlan, BA *UNSW*

Web Coordinator
Richard So

Research and Innovation

Associate Dean and Director
Professor Kathryn M Refshauge, MBiomedE PhD *UNSW* DipPhty GradDipManipTher *Cumb*

Executive Assistant to the Associate Dean and Director
Lisa Lau, BA(Econs) *Calgary*

Manager
Julie Cameron, BAppSc(OT) MHlthSc(OT)

RHD Support Officers
Shiva Chetty
Fayrouz Kelaita

Professional Officers
John Eisenhuth, BEng(Electronics) *TechnolSyd* BAppSc(Physics)
Raymond L Patton, BiolTech(HCert) *STC*
Patricia A Ruell, BSc PhD
Timothy J Turner, BAppSc *NSWIT* MAppSc *UTS*

Research Groups

Ageing and Human Development

Convenor:
Professor R Mark Mathews, BGS(Psych & HD) MA(HD) PhD *Kansas*

Research Professor, Ageing and Health
Hal Kendig, AB *Calif* MPI PhD *SCalif*, FASSA

Postgraduate Coordinator
Associate Professor Cherry Russell, BA PhD

Research Group Administrator
Philippa Harrington

Clinical and Rehabilitation Sciences

Convenor
Associate Professor Sharon L Kilbreath, BScPT *Qu* MCISc *WOnt* PhD *UNSW*

Postgraduate Coordinator
Associate Professor Jack Crosbie, MSc PhD *Strath* GradDipPhys *Glas* DipTP *Edin*

Research Group Administrator
Annie Soo

Disability and Community

Convenor
Professor Stewart Einfeld, MD, GradCertMana *CSU* DCH (RCP&S) FRANZCP MRACMA

Postgraduate Coordinator
Leanne Togher, BAppSc(SpPath) *Cumb* PhD

Research Group Administrator
Ann Bengele

Exercise, Health and Performance

Convenor
Associate Professor Richard M Smith, BSc *UNSW* MSc *Macq* MEd *Manc* MA *Macq* PhD *W'gong* DipEd

Postgraduate Coordinator
Corinne Caillaud, MSc PhD *Montpellier*

Research Group Administrator
Lyndall M Burke, BA *UNE*

Health Informatics and Statistics

Convenor
Professor Johanna Westbrook, BAppSc(MRA) *Cumb* MHA GradDipAppEpid *UNSW* PhD

Postgraduate Coordinator
Joanne Callen, BA *UNSW* MPH(Research) DipEd PhD *UNSW*

Research Group Administrator
Sheree Crick, GradCertHlthSc(CDM)

Medical Imaging and Clinical Sciences

Convenor
Associate Professor Michael Kassiou, BSc PhD *UNSW*

Postgraduate Coordinator
Associate Professor Jennifer Cox, BA *Macq* ARMIT PhD, MIR

Research Group Administrator
Ingrid Singleton, BSc DipBio *Open*

Learning and Teaching

Acting Associate Dean and Director, Learning and Teaching
Dr Steven Cumming, BA MA(Psych) *Tas* PhD *UNSW*

Executive Assistant to the Acting Associate Dean and Director, Learning and Teaching
Marilyn Duncan

Sub Dean, Curriculum Review & Development
Jane E Gamble, BAppSc(OccTher) *Lincoln* MHPEd *UNSW*

Sub Dean, Undergraduate Coursework & Students
Christine J Chapparo, MA PhD *Macq* DipOT, OTR FAOTA

Sub Dean, Graduate Coursework & Students
Mairwen Jones, BA PhD, RN RPN

Sub Dean, Clinical & Professional Fieldwork
Catherine Dean, BAppSc(Phty) *Cumb* MA *Col* PhD

Executive Support Officer (Sub Deans)
Karen Cheung, BSSc *ChineseUHK*
Karen Ho
Adriana Sammartano

Academic Coordinator – SIM Programs
Kate M O'Loughlin, BA *Macq* PhD

Clinical Education (Operations Manager)
Marcelle Alam, BAppSc(OT) GradCertHlthSc(OT)

Manager, Learning and Teaching
Jac Smit, BSc DipEd *UNSW*

Project Officer
Belinda Chambers, BA *Macq* MMgmt *ACU*

Program Administrators
Cristian Alegria
Andrea Andreou
Pamela Branas, BA *Monash* GradDipTrngDev *Melb*
Lata Britto, BComm *Bombay*
James Campbell, BSc(Hons) *Macq*
Teresa Care
Karen Cheung, BSSc *ChineseUHK*
Patricia Corbett
Trish Fennessy, BA DipTching *Well*
Susan Lucas, BAppSc(MRT)
Kerrie McLean, MEd *TechnolSyd* GradCertEd, MCES
Margaret Orr
Sughandthi Ravi, BSc *Jaffna*
Mary Routledge
Margaret Smith
Sharon Woods
Hong Wu

Program Support Officers
Jane Alanthwaite
Wendy Manuel
Laurence McCaul
Debbie Mitchell
Leona Oliver
Maree Schell
Kriscia Tapia
Iesinga Tuitavake

Clinical Educators
Wendy Annable, GradDipBiomedE *UNSW* BAppSc(Phty) *Cumb*
Evelyn Argall, BAppSc(Phty) *Cumb*
Jodie Barrett, BAppSc(OT)
Jerrad Borodcicz, BAppSc(Ex&SpSc)
Annie Chan, MAppSc(CommDis)
Natalie Charlton, BN BAppSc(MRS)
Natala Cogger, BAppSc(OT)
Hannah Edwards, BAppSc(OT)
Carolyn Gates, MAppSc(Phty) *Cumb*
Jennifer Gibney
Katrina Gott, BAppSc(SpPath) *Cumb*
Nicola Hancock, BAppSc(OT) *Cumb*
Jenny Hill, BAppSc(SpPath)
Caroline Howe, BA(Psych/Ed) GradDipRehabClng, RCAA
Jan Howlett, DipOAA *Cumb*
Andrew Kilgour, AssocDipMedRad *Cumb* GradCertClinEd *CSU* MRadPrac *Monash*
Irene Leithhead, BAppSc(Phty) *Cumb* MA(PhysThpy) *New York*
Jane Maber, BAppSc(SpPath) *Cumb*
Nadia Madonna, BAppSc(SpPath)
Anne Marks, AssDipMRA *Cumb* MHlthSc(Ed)
Julia Patrick, BAppSc(Phty) *Cumb*
Alison A Purcell, MAppSc *Cumb* PhD
Elizabeth Scott, BAppSc
Tracey Smith, DipAppSc(MRT)

Donna Thomas, BAppSc
Marcia Underwood, BA *UNSW* GradDipRehabClng
Jacqueline Webster, BAppSc(OT)

Clinical Education Administrators
Jane Alanthwaite
Sara Baggio, BBus *UTS* DipEd(Secondary) *UNSW*
Linda Carlaw
Charlotte Colaco
Kirsty Egger
Helen Inns
Sara Leon, BBus *UTS* DipEd *UNSW*
Ruingarangi (Ru) Matiu
Kathy Mossemenear
Elizabeth Mulock
Alison Munro
Sandra Shaw
Margaret Smith

Technical Officer
Diane M Mould, BiolTech(HCert) *STC*

Disciplines

Behavioural and Social Sciences in Health

Head of Discipline of Behavioural and Social Sciences in Health
Professor R Mark Mathews, BGS(Psych & HD) MA(HD) PhD *Kansas*

Sesquicentenary Chair of Ageing, Health and Disability
Professor R Mark Mathews, BGS(Psych & HD) MA(HD) PhD *Kansas*

Professor
Dianna T Kenny, MA PhD *Macq* DipEd *SydTeachColl* BA

Associate Professors
Barbara J Adamson, BA DipEd *UNE* PhD
Lynne M Harris, BSc(Psych) MPsychol(Clin) PhD *UNSW*
Ross G Menzies, BSc(Psych) MPsychol(Clin) PhD *UNSW*
Cherry L Russell, BA PhD

Senior Lecturers
Kaye E Brock, BSc *ANU* PhD GradDipNutDiet
Steven Cumming, BA MA(Psych) *Tas* PhD *UNSW*
Robert C Heard, BA PhD
Syeda Zakia Hossain, MA *Dhaka* MA *ANU* PhD *Qld*
Mairwen Jones, BA PhD, RN RPN
Chris J Lennings, BA MPsychol PhD *Macq*
Kate M O'Loughlin, BA *Macq* PhD
Toni Schofield, BA DipEd *Melb* PhD
Gomathi Sitharthan, MA MPhil *Madr* PhD

Lecturers
Ian Andrews, BA *Curtin*
Andrew J Campbell, BA(Psych/Ed) MAppSc(Psych) PhD, MAPS
Fran Everingham, BA MHPEd *UNSW* GradDipEd(HlthStud) *SCAE* DipEd *UNSW*
Jesse Hooley, BS *WSyd* DipEd *Kuring-gai* PhD
Rose Leontini, BA PhD *UNSW*
Victoria Neville, BSc MA *UNSW* GradDipPhty *Cumb*
Karen Pepper, MA *W'gong* BA
Rosemary Pynor, BBSc *La Trobe*
Tatjana Seizova-Cajic, BPsyc MA *Belgrade* PhD *UNSW*

Associate Lecturer
Ana Petrak, BA(Psych)(Hons) *UWS*

Exercise and Sport Science

Head of Discipline of Exercise and Sport Science
Associate Professor Nicholas O'Dwyer, MA *Dublin* PhD *UNSW*

John Sutton Chair of Exercise and Sport Science
Professor Maria Fiatarone Singh, MD *Calif* FRACP

Associate Professors
Glen M Davis, BPE *Ott* MA *WOnt* PhD *Tor*, FACSM
Richard M Smith, BSc *UNSW* MSc *Macq* MEd *Manc* MA *Macq* PhD *W'gong* DipEd
Martin W Thompson, MSc *Lough* PhD *Lond* DipPE TSTC *Melb* AdvDipPE *Leeds*

Senior Lecturers
Corinne Caillaud, MSc PhD *Montpellier*
Ian Cathers, BSc (Hons) DipEd *STC* MBiomedE PhD *UNSW*
Chin M Chow, MSc *Otago* PhD

Lecturers
Phillip Chapman, BAppSc(ExSpSc)(Hons)
Rene ED Ferdinands, MSc PhD *Waikato*
Thomas H Gwinn, BAppSc(Phty) *Cumb* BSc
Mark Halaki, BSc(MechEng) MSc(BiomedEng) PhD
Helen T O'Connor, BSc *UNSW* DipND PhD
Rhonda Orr, BPharm MEx&SpSc PhD
Jacqueline Raymond, BAppSc *W'gong* PhD
Kieron Rooney, BSc PhD
Peter Sinclair, BPE MEd *WA* PhD
Benedicte Vanwanseele, MSc *Leuven* PhD *Eth Zurich*

Postdoctoral Fellow
Evan Atlantis, BAppSc(ExSpSc) PhD

Postgraduate Fellows
Michael Baker, BAppSc MAppSc(Ex&SpSc)
Stuart Best, BAppSc(ExSpSc)
Jonathon Freeston, BAppSc(ExSpSc)(Hons)
Tristan Sharp, BA *Surrey* MExSpSc(SpPerf)(Hons)

Honorary Research Fellows
John Brotherhood, MBBS *Lond*
Grace J Bryant, GradDipEx&SpSc *Cumb*, MBBS
Professor Grahame M Budd, MB BS MD, FRACP
Barry V Holcombe, PhD *UNSW*
James Middleton, MBBS PhD
Adele R Weston, BPhEd *Otago*, MSc *Lond* PhD *CapeT*

Health Informatics

Acting Head of Discipline of Health Informatics
Joanne Callen, BA *UNSW* MPH(Research) DipEd PhD *UNSW*

Professor
Johanna Westbrook, BAppSc(MRA) *Cumb* MHA GradDipAppEpid *UNSW* PhD

Honorary Professor
Phyllis Watson AM, MSc *New York*

Senior Research Fellow
Andrew Georgiou, BA LTU Dip Arts MSc *Southon* FACHI

Lecturers
Janelle Craig, BAppSc(MRA) *Cumb* MComm *UNSW*
Mary Lam, BA(Hons) PhD *Macq* MHIM
Anne Marks, AssDipMRA *Cumb* MHlthSc(Ed)

Research staff
Jean McIntosh

Indigenous Health Studies

Acting Head of Discipline of Indigenous Community Health
Freidoon A Khavarpour, BA *Pahlavi* MA PhD *Mich*

Lecturers
John Evans, BSpSc MSpSc *UNSW*

Teaching Administration Support Officer
Iesinga Tuitavake

Medical Radiation Sciences

Head of Discipline of Medical Radiation Sciences
Associate Professor Steven Meikle, BAppSci *TechnolSyd* PhD *UNSW*

Chair of Medical Radiation Sciences
Professor Richard Banati, MD PhD *Mainz*

Associate Professors
Dale Bailey, MAppSc *TechnolSyd* PhD *Surrey* ARCP *Lond* CertNucMed *STC*
Jennifer Cox, BA *Macq* ARMIT PhD, MIR
Michael Kassiou, BSc PhD *UNSW*

Senior Lecturers
Jill Clarke, DipAppSc GradDipAppSc *RMIT* DMU *ASUM* BAppSc MHlthScEd AMS
Ann Poulos, BA DipEd *Macq* DipRad *UK* PhD

Lecturers
Edwina Adams, BAppSc(MRT) *NM* MAppSc(MRS)
Maila Agudera, BAppSc(MRT)
John Atyeo, BA *TechnolSyd* BSc *Macq* AssocDipRadTech *SAIT* MHlthScEd
Barrie Egerton, BSc *Wales* MSc *Salf* PhD
Nikki Field, BAppSc(MRT) MHlthScEd
Peter Kench, BAppSc(MRT)(Hons) GradCertHlthScEd
Elisabeth Kilburn-Watt, BSc BA *York* MA *Macq*
Danielle Milinkovic, BAppSc(MRT) MHlthScEd
Gary Reddy, BTech(Rad) *TN* BA(EdPsych) *UNISA* MSc *APU* HDipEd *Natal*
Warren Reed, BSc(AppRad) *SBank* PGCertTLHE *Kingston*
John Robinson, CertRad *STC* BAppSc
Elaine Ryan, BSc(Hons) *Manchester* MSc *UCL* PhD *CUL* PGDipClinicalSc *IPEM*
Mark West, BAppSc *USQ* MAppSc(MedPhys) *QUT*

Associate Lecturers
Jocelyn Barnes, BAppSc(MRT) GradCertHlthScEd
Yobelli Jimenez, BSc BAppSc MHlthSc(MRS)
Terry Jones, AssocDipMedRad *STC*
Steven Littlefair, MSc *C'church*
Joanne Lomas, BAppSc(MRT) GradCertHlthScEd DMU *ASUM*
Susan Meikle
Susan Miller, AssocDipMedRad *STC* BAppSc(MRT) GCertEdStudies
Gary Minch, BA DipAppSc(MRS) MAppSc(BehavSc) GradCertHlthMgmt
Kathryn Szymura, BMedRadSc(RT) *Newc*
Belinda Tong, DMU *ASUM*

Postdoctoral Research Assistant
Jianyu Lin

Occupational Therapy

Head of Discipline and Chair of Occupational Therapy
Professor Anita Bundy, BS *WMich* MSc ScD(Ther) *Boston* OTR FAOTA

Professor
Stewart Einfeld, MD, GradCertMana *CSU* DCH (RCP&S) FRANZCP MRACMA

Honorary Professors
Susan Esdaile, BAppSc(OT) *VicIC* PhD *La Trobe*, MAPS OTR SROT
William C Mann, BS *Rutgers* MSLOT *Viginia* PhD *Buffalo* OTR

Associate Professor
Lindy Clemson, BAppSc(OT) *WAIT* MAppSc(OT) *Cumb* DipOT *NSWCollOT* PhD
Roger Stancliffe, BSc(Hons) *Newc* MA(Hons) PhD *Macq* FAAIDD

Honorary Associate Professors
Lynne Adamson, BAppSc(OT) *Lincoln* GradCertUniT&L *CSU* MAppSc(OT)
Colleen Mullavey-O'Byrne, MA *Macq* DipOT, ATCL
Jenny Ziviani, BAppSc(OccTher) *Lincoln* BA MEd PhD *Qld* DipOT *NSWCollOT*

Senior Lecturers
Catherine E Bridge, BAppSc(OT) *Cumb* MCogSc *UNSW* PhD
Christine J Chapparo, MA PhD *Macq* DipOT, OTR FAOTA
Jane E Gamble, BAppSc(OccTher) *Lincoln* MHPEd *UNSW*
Eveline J Innes, BAppSc(OT) *WAIT* MHPEd *UNSW* PhD *Curtin*
Lynette MacKenzie, PhD MEdStud BEdStud BAppSc(OT) *Curtin* DipCOT *UK*
Margaret McCluskey, DipOT *Edinburgh* MA(Ed) *Macq* PhD *UWS*

Lecturers
Ruth O Beltran, BSOT MA *UP* PhD, OTRP FOTAP
Michelle Donelly, BAppSc(OT) *Cumb* MA PhD *Macq*
Nicola Hancock, BAppSc(OT) *Cumb*
Anne M Hillman, BAppSc(OT) *WAIT* MAppSc(OT) PhD
Judy L Ranka, BSc(OT) *WMich* MA *Macq*, OTR
Jo Ragen, BA(LS) MM *TechnolSyd*

Honorary Lecturer
Helen Edwards, BOccThy MEd PhD GradCertHigherEd GradDipContEd *UNE*

Associate Lecturer
Jacqueline Webster, BAppSc(OT)

Adjunct Lecturer
Margaret Wallen, BAppSc(OT) *Cumb* MA *UNSW*

Postdoctoral Fellow
Louise Ellis, BPsych *Macq* PhD (Psych) *UWS*

Postgraduate Fellows
Reinie Cordier, BSocSc(ClinPsych) *FreeState* MOT *SAfMed*
Anita Niehues, BS(OT) *Kansas* MS(OT) *Illinois* OTR
Steven Park, BS *Puget Sound* MS *Illinois*
Anna Rose, BOccThy(Hons) *Newc*
Nancy Rushford, BA MSc(OT) *McMaster* MA *Adler*

Honorary Associate
John Michael Linacre, MA *Camb* PhD *Chic*, AM

Research Therapist
Patricia O'Loughlin, BSc *Cant* DipPhty*Otago*

Driver Rehabilitation
Beth Cheal, MAppSc(OT)
Trinity Glendenning, BAppSc(OT)
Bernadette Walsh, BAppSc(OT)

Orthoptics

Head of Discipline of Orthoptics
Associate Professor Elaine D Cornell, MA *Macq* DipAppSc *Cumb* PhD DOBA

Senior Lecturers
Neryla Jolly, MA *Macq* DOBA(T) *UK*
Kathryn A Rose, DipAppSc(Orth) *Cumb* GradDipNeurosci PhD *ANU* DOBA

Lecturer
Kathryn M Thompson, MAppSc(Orth) DipAppSc(Orth) GradCertHlthSc(Ed) *Cumb* DOBA

Physiotherapy

Head of Discipline of Physiotherapy
Associate Professor Jennifer Alison, MSc *Lond* PhD DipPhty

Chair of Physiotherapy
Professor Kathryn M Refshauge, MBiomedE PhD *UNSW* DipPhty GradDipManipTher *Cumb*

Associate Professors
Louise Ada, BSc PhD *UNSW* MA *Col* GradDipPhty *Cumb*
Jack Crosbie, MSc PhD *Strath* GradDipPhys *Glas* DipTP *Edin*
Sharon L Kilbreath, BScPT *Qu* MCISc *WOnt* PhD *UNSW*

Honorary Professor
Roberta B Shepherd, MA EdD *Col* DipPhty, FACP

Honorary Associate Professor
Janet H Carr, MA EdD *Col* DipPhty, FACP

Postdoctoral Research Fellows
Mi-Joung Lee, AdKipPhty *Jisan* MAppSc PhD
James McAuley, BSc PGDip *Surrey* PhD *Brunnel*
Jean Nightingale, BAppSc(Phty) MBioMedE PhD (BiomedEng) *UNSW*

Postgraduate Fellow
Gemma Lloyd, BAppSc(Phty)

Senior Lecturers
Roger Adams, BA *Adel* PhD *UNSW*
Colleen G Canning, BPhty *Qld* MA *Col* PhD
Catherine Dean, BAppSc(Phty) *Cumb* MA *Col* PhD
Jane Latimer, BAppSc(Phty) *Cumb* GradDipAppSc(ManipPhty) PhD
Graham Moseley, BAppSc(Phty)(Hons) PhD

Lecturers
Bronwen Ackermann, BAppSc(Phty) *Cumb* PhD
Robert A Boland, BAppSc(Phty) GradDipAppSc(ManipTher) *Cumb* PhD
Jane Butler, MEd *UNSW* DipPhty *Auck* GradDipAppSc(PaedPhty) *Cumb*
Susan Coulson, BAppSc(Phty) *Cumb* MAppSc(Ex&SpSc) PhD
Sharon Czerniec, BAppSc(Phty) *Cumb* MHlthSc(Ed)
Genevieve Dwyer, BAppSc(Phty) *Cumb* GradCert(AdultEd) *UNE* GradDipAppSc(PaedPhty-Hydro) *Curtin* MAppSc(Phty)
Paulo Ferreira, BPT *UFRJ* MSc *Alberta* PhD
Mark Hancock, MAppSc(Phty)
Alison R Harmer, BAppSc(Phty) PhD
Julia Hush, BSc(Hons) BAppSc(Phty) PhD GradCertEdStudies
Martin Mackey, BAppSc(Phty) *Cumb* MSafSc *UNSW* BEc PhD
Lyndal Maxwell, BAppSc(Phty) *Lincoln* GradDipAppSc(Cardiothoracic) *La Trobe* MAppSc(Phty) PhD
Zoe McKeough, BAppSc(Phty) *Cumb* PhD
Leslie Nicholson, BAppSc(Phty) GradDipAppSc(SportsSc) GradDipAppSc(ManipPhty) *Cumb* PhD
Trudy Rebbeck, BAppSc(Phty) *USthAust* MAppSc(ManipPhty) PhD FACP
Eva Schonstein, BAppSc(Phty) *Cumb* MHPEd *UNSW* PhD
Debra Shirley, BSc *UNSW* GradDipPhty GradDipManipTher *Cumb* PhD
Angela Stark, BAppSc(Phty) MAppSc(NeuroPhty) GradCertEd(HigherEd)
Karyn Whelan, BAppSc(Phty) *Cumb* MAppSc(Phty)
Vicki Williams, BAppSc(Phty) *Cumb* MEd *UNSW*

Associate Lecturers
Andrew Leaver, BAppSc(Phty) *Cumb* GradDipAppSc(ManipPhty)
Nia Luxton, BSc(Phty) *Ulster* GradCertEd(HigherEd)

Discipline Specialists
Peter Colaguri, BAppSc(Phty) *Cumb* MHlthSc(SportPhty)
Alison Eliot, BSc(Hons)(Phty) *Manchester* MSc *Manchester Metro*
Li Khim Kwah, BAppSc(Phty)
Martin McCawley, BAppSc(Phty)
Justin Sullivan, BAppSc(Phty), MHlthSc(OrthManipTh) *CSU*
Belinda Ward, BAppSc(Phty)

Rehabilitation Counselling

Head of Discipline of Rehabilitation Counselling
Associate Professor Elias Mpofu, PhD *Wisconson-Madison*

Senior Lecturer
Lynda Matthews, BHlthSc(RehabClng) PhD

Lecturer
Trevor K Hawkins, MS *S'Ill* GradDipRC *Cumb* BA

Associate Lecturers
Caroline Howe, BA(Psych/Ed) GradDipRehabClng, RCAA
Marcia Underwood, BA *UNSW* GradDipRehabClng

Speech Pathology

Head of Discipline of Speech Pathology
Associate Professor Michelle Lincoln, BAppSc(SpPath) *Cumb* PhD

Professor Emeritus
Vicki A Reed, BS *Northwestern* MA *Denver* EdD *NColorado*, FASHA

Honorary Professors
Chris Code, MA *Essex* PhD *Wales* DipCST, AFBPsS C Psychol

NHMRC Senior Research Fellow
Leanne Togher, BAppSc(SpPath) *Cumb* PhD

Honorary Associate Professor
Bruce Baker AM, LHD

Senior Lecturer
Kirrie Ballard, BSpThy *Qld* MA PhD *Northwestern*

Honorary Senior Lecturer
William Thorpe, BE(EE) PhD *Cant*

Lecturers
Joanne Arciuli, BA(Hons) PhD *Macq*
Elise Baker, BAppSc(SpPath)(Hons) PhD
Kimberley Docking, BSpPath(Hons) PhD *Qld*
Belinda Kenny, MAppSc
Cate Madill, BA(Hons) *Flinders* BAppSc(SpPath)(Hons)
Patricia McCabe, BAppSc(SpPath) PhD GradCert(EdStudies)
Natalie Munro, BAppSc(SpPath)(Hons) PhD
Alison A Purcell, MAppSc *Cumb* PhD
Christine Sheard, MAppSc *Cumb*
David Trembath, BAppSc(SpPath) MAppSc

Discipline Specialist
Yetta Abrahams, BA *Newc* BHlthSc(Hearing&Speech), MClinAud *Macq*

Research Associates
Sally Clendon, BSLT MSLT *Cant*
Sue McAllister, BAppSc(SpPath) PhD
Kate Smith, BAppSc(SpPath)
Dr David Wilkins, BA PhD *ANU*
Corina Yiannoukas, BAppSc(SpPath)(Hons) *Cumb*

Honorary Research Associates
Jan van Doorn, BSc *Adel* PhD *UNSW*
Anthony Hogan, BA *UWS* MSc *W'gong* PhD *Macq*

Senior Clinical Educator
Geraldine Katz, BA (Sp&HTherapy) *Witwatersrand*

Clinical Lecturers
Maria Berrarducci, BAppSc *Qld*
Monika Kaatzke-McDonald, BBAppSc(SpPath) *Cumb* MAppSc

Valerie Lim, BSpPath MAppSc *LaTrobe*
Rachel Miles, BAppSc(SpPath)
Emma Power, BAppSc(SpPath)(Hons) PhD

Clinical Associate Lecturers
Alison Anderson, BAppSc(SpPath) *Cumb*
Melissa Curby, BAppSc(SpPath) *Cumb*
Eva Nemeth, BAppSc(SpPath) *Cumb* DipMusic *NSWConsMusic*
Magdalen Rozsa, BAppSc(SpPath) *Cumb*
Kate Short, BAppSc(SpPath) *Cumb*
Hayley Smithers-Sheedy, BAppSc(SpPath) *Cumb*
Susan Starr, BAppSc(SpPath) *Cumb*
Rebecca Sutherland, BSpPath *Newc* MHlthSc(DD)
Cathleen Taylor
Christine Taylor, BAppSc(SpPath) *Cumb*
Johan Thomson, BAppSc(SpPath) *SAustCAE*
Jean Tsembis, BA *Macq*

Centres

Australian Stuttering Research Centre

Director
Professor Mark Onslow, MAppSc *Cumb* PhD

Senior Research Officer
Ann Packman, PhD

Research Clinician
Cheryl Andrews, BA *N'west Nazarene* MA *Nthn Colorado*

Research Coordinator
Sue O'Brian, PhD

National Centre for Classification in Health

Director
Professor Richard Madden, PhD *Prin* BSc, FIAA. Appointed 2006

Associate Director
Kerry Innes, AssocDip(MRA) *Cumb*

Systems Manager
Young Tjoa, BSc(ComputerSci) *Calif*

Systems Analyst/Programmer
Ming Zhang, BEng *BeijingPU* GradDip(Computing) RMIT

IT Services Officer
Vaughan Jackson

Project Officers
Kerri Doyle, BBus(HlthAdmin) *QUT*
Karyn Chen, BAppSc(HIM)
Margaret Cook
Anne Elsworthy, AssocDip (MRA) *Cumb*
Yan Guo, BMedicine *FujianMedicalU* MSc(HIM)
Lisa Richmond, BAppSc(HIM)
Julie Rust, BAppSc(HIM)
Patrica Saad, BAppSc(HIM)
Lwin Marla Tun, MB BS *Ragoon* MSc(HIM)

Quality Coordinator
vacant

Publications Manager
Rodney Bernard, GradDip(Design Studies) *TechnolSyd*

Publications Officer
Peter Long

Sales and Distribution Coordinator
Catherine Stanhope

Acting Education Manager
Megan Cumerlato, BAppSc(HIM)

Special Projects Manager, Terminologies
Donna Truran, BA(Psych)

CATCH Project Manager
Lauren Jones, BAppSc(HIM) MSc

Mental Health Intervention Codes Project Manager
Margie Luke, AssocDip (MRA) *Cumb*

Office Manager
Tina Stanhope

Administrative Assistants
Dana Higggins
Imelda Noti

Yooroang Garang

Director
Sally Farrington, BSc MHPEd *UNSW* GradDipPhty *Cumb*

Lecturer
Anthony Dillon, BSc MTrainDev

Associate Lecturer
Marie Taylor, BSc *NZ*

Student Support Officer
Leona Oliver

Finance and Administration Officer
Andrea Andreou

Australian Indigenous Mentoring Experience (AIME)
Clark Webb

Faculty Services

Executive Director, Faculty Services
Scott Avery, BCom GradDipLaw *W'gong* MAppSc(HIM), GAICD

Executive Assistant to Executive Director, Faculty Services
Michele Morrison, BA *Alta*

Student Central

Manager, Student Central
Bharati Jayachandran

Supervisor, Admissions and Enrolment
Linda Dewar, BA *UNE*

Supervisor, Academic Records
Susan Young

Senior Student Adviser
Nancy Leong

Student Advisers
Thina Balakisnan, BComm *Macq* MBus *UniSA*
Christine Fairchild
Eileen Logan
Margaret Maroki-Badal
Marian Melnyczek, BA *Adel*
Wendy Mulligan
Li Ozinga, BA *UIR(Beijing)* MPP
Caroline Prell, LLB *Sing*
Charlyn M Millano, BSc(Commerce) *JoseRizalColl*
Chelvi Singaram
Somphone Siviengphanom, BBusCompIS *UWS*
Sandra Slanic, BEc BA

Records Management Officer
Donna Pearman

General Administration

Supervisor, General Administration
Greg Gaal

General Administration Officers
John Greco
Susan Kania
Lily Lee

Craig McCready
Julie Pratt

Printery Services

Printery Manager
Dianne Gillespie

Photocopy Operators
Angela Iles
Marina Kustro
Jeffrey Searle

2. Guide to the Faculty

Objectives

The primary objectives of the faculty are:

- Research in the clinical and disciplinary aspects of the health sciences.
- Teaching in the clinical and academic aspects of the health sciences at both undergraduate and graduate levels.

The supporting objectives are:

- Facilitation of interdisciplinary study, research and discussion with academic and clinical colleagues through continuing education programs, symposia, workshops, conferences and staff and student exchange activity.
- Provision of specialised services and advice to disabled and disadvantaged people and agencies (both voluntary and government) within the context of the faculty's academic, teaching and research expertise and purpose.
- Provision of advice, consultancies and applied research programs to government, commercial and business organisations which share the faculty's common interest in health and health sciences.
- Development of relationships with international agencies and governments which seek to utilise the expert service and advice of the faculty, within the context of the faculty's teaching mission and purpose.

Academic governance

The faculty operates under the following portfolios and services units:

- Dean's Unit
- Faculty Services Unit
- Research and Innovation
- Learning and Teaching
- International and Development
- Staff Development

Structure

The faculty's academic structure encompasses the following disciplines:

- Behavioural and and Social Sciences in Health
- Exercise and Sport Science
- Health Informatics
- Indigenous Health Studies
- Medical Radiation Sciences
- Occupational Therapy (including Leisure and Health)
- Orthoptics
- Physiotherapy
- Rehabilitation Counselling
- Speech Pathology

The Health Sciences Library provides facilities and information services to support all academic programs run on this campus and is networked to other research libraries.

Centres

Australian Stuttering Research Centre (ASRC)

The ASRC was established in January 1996 and is supported primarily by federal government research grants and also by internal funding from the Faculty of Health Sciences. The aims of the ASRC are to:

- conduct internationally recognised research into stuttering
- establish international collaborative research relationships
- translate research into policy and evidence-based practice
- mentor stuttering treatment researchers
- serve the professional community by conducting continuing education programs
- supervise and mentor higher degree research students
- research the effects of research training on tertiary cohorts
- inform the wider community of available evidence-based stuttering treatments.

ASRC research interests draw on several disciplines relevant to stuttering including speech acoustics, linguistics, physiology and psychology.

Staff within the ASRC are currently engaged with researchers from Bankstown Stuttering Unit, Macquarie University, Charles Sturt University, University of Newcastle, La Trobe University, Royal Children's Hospital (Melbourne), Murdoch Children's Research Institute (Melbourne), University of Queensland, University of Canterbury (NZ) and the Montreal Fluency Centre.

National Centre for Classification in Health (NCCH) Sydney

The NCCH is a centre for excellence in health classification theory and clinical terminologies. The NCCH creates, maintains and publishes the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification, a disease classification, which is adapted from the World Health Organization classification ICD-10. The Australian Classification of Health Interventions (ACHI), a comprehensive classification of health procedures and interventions is developed by the centre.

The centre creates Australian Coding Standards (ACS) through a consultative process with clinicians and clinical coders to create best practice guidelines to apply the classification. The Fifth Edition of ICD-10-AM/ACHI/ACS was published in 2006.

The centre has expertise in clinical terminologies, health data quality systems, education for segments of the health data and information sector, and publication of large and complex documents.

The centre's activities include:

- development and biennial publication of ICD-10-AM, ACHI and ACS
- development and publication of classification subsets
- development and production of health classifications in electronic media including ICD-10-AM/ACHI/ACS eBook
- development and production of ICD-10-AM/ACHI/ACS Electronic Code List and MS Access database
- convening the Coding Standards Advisory Committee
- designing and delivering education resources and events for clinical coders and users of coded data
- planning and delivering biennial conferences
- creating quality improvement tools and programs for use in coded data collections
- researching and producing a chronicle of the developments and enhancements made to ICD-10-AM, ACHI and ACS since their inception

- creating and publishing ICD-10-AM mapping tables
- producing a quarterly newsletter, *Coding Matters*, for coders and users of coded data
- providing consultancies on behalf of the World Health Organization
- providing consultancy services in Australia and internationally
- researching and developing various clinical term sets
- contributing to the Australian Government Department of Health and Ageing's Australian Refined Diagnosis Related Groups (AR-DRGs)
- assisting the Clinical Casemix Committee of Australia and the Clinical Classification and Coding Groups
- research in classification, terminology and related health information and statistics.

The NCCH also has a site at the Queensland University of Technology (Brisbane).

Rehabilitation Research Centre

In March 1989, the Rehabilitation Research Centre was established with the charter to raise research productivity in the area of rehabilitation. Given that research in rehabilitation has an impact on the scientific, clinical and professional communities, it is appropriate that a Rehabilitation Research Centre should have clear and achievable research, educational and promotional functions.

The research objectives for the centre are to:

- increase research productivity, publication and scholarship in the area of rehabilitation
- stimulate and provide training programs for beginning researchers, and clinicians
- attract eminent rehabilitation researchers
- provide stimulating research environments for postgraduate students
- organise and conduct national and international symposia on rehabilitation
- provide a limited, but high quality rehabilitation service for patient assessment.

Inter-institutional agreements and links

The faculty has developed links with the following institutions:

- Hanoi Medical University, Vietnam
- Hong Kong Polytechnic University, Hong Kong
- Indian Institute of Cerebral Palsy (IICP)
- Karolinska Institutet, Sweden
- Massey University, New Zealand
- McGill University, Montreal, Canada
- Ministry of Health, Government of Solomon Islands
- Nanyang Polytechnic, Singapore
- National Healthcare Group and Singapore Health
- Singapore Institute of Management
- Sun Yat-Sen University of Medical Sciences, Guangzhou, People's Republic of China
- The Chinese Academy of Medical Sciences, Beijing, People's Republic of China
- The University of Indonesia, Jakarta, Indonesia
- University of British Columbia, Vancouver, Canada
- University of Essex, United Kingdom
- University of Missouri, United States of America
- University of Otago, New Zealand
- University of Philippines System, Philippines
- University of Washington, Seattle.

The inter-institutional links are designed to strengthen the bonds between academic communities and, in the process, contribute to greater understanding and communication between cultures.

Programs of cooperation involve exchange of information between faculty and where appropriate students, in a variety of educational development and research initiatives.

3. Admission and course information

Course enquiries

Student Central provides prospective and enrolled students, both local and overseas, with information and advice on the various courses offered by the faculty, as well as associated matters of admission and enrolment. Enquiries can be made Monday to Friday from 9am to 5pm. The postal address is:

Student Central
Faculty of Health Sciences
The University of Sydney
PO Box 170
Lidcombe NSW 1825

Phone: +61 2 9351 9161
Fax: +61 2 9351 9412
Website: www.fhs.usyd.edu.au

Admission requirements – undergraduate courses

Generally, applicants for admission to the faculty's undergraduate courses are considered on the basis of the UAI obtained in the New South Wales Higher School Certificate, or equivalent. Applications are also considered from applicants with a tertiary record. For some courses, these applicants may also be required to complete a questionnaire. Details of application procedures and any additional selection criteria are available in the UAC Guide, or on the website: www.uac.edu.au.

Further information is also available on the University of Sydney website: www.fhs.usyd.edu.au/fstudent/index.shtml.

Special admission

The University conducts various schemes which may facilitate entry for applicants who are either Australian citizens or Permanent Residents and who have experienced serious educational disadvantage in pursuit of their secondary or tertiary education; or for mature-age applicants. Details of the Special Admission and Concessional Entry Schemes can be obtained from the University's Admissions Office on +61 2 9351 4117, or on the website: www.usyd.edu.au/fstudent/undergrad/apply/entry.shtml.

In addition to the above schemes the Faculty of Health Sciences conducts the schemes below. Further information about these schemes is available from Student Central:
phone: +61 2 9351 9574
website: www.fhs.usyd.edu.au

Multicultural Entry Scheme

This scheme is open to applicants from non-English speaking backgrounds completing the current HSC who are proficient in a language other than English, and who have an understanding of the needs of major community groups. Applicants are required to sit an externally assessed test for which a fee is payable.

Applications and information about the test are available on the website: www.crc.nsw.gov.au/services/mes. The closing date for applications is the last Friday in October each year.

Rural Students Entry Scheme

This scheme is open to applicants to all Faculty of Health Sciences courses who sat the HSC in the current or preceding year and who have no prior tertiary record, and completed at least the last four years of secondary education at a rural school. These applicants may be admitted if their UAI is not more than five points below the main round UAI cutoff. Applications are available on the website: www.fhs.usyd.edu.au/future_students/undergrad/index.shtml.

The closing date for applications is 30 November each year.

Vocational Entry Scheme

This scheme allows completion of relevant TAFE courses and/or work experience to be taken into consideration for admission to courses which are vocationally oriented. Applicants are required to submit a written application to the Admission Officer, Faculty of Health Sciences, in addition to the UAC application, by 30 November each year.

International fee-paying applicants

Admission to University of Sydney courses under the local quota is restricted to Australian and New Zealand citizens and permanent residents of Australia.

International students undertaking a 2008 Australian Year 12 will be considered for entry to the University on a full fee-paying basis only. Application is made through UAC. For information regarding application procedures for other international fee-paying applicants you should obtain a copy of the University's International Prospectus from the International Office on +61 2 9351 4079 or refer to the website: www.usyd.edu.au/international.

Admission requirements – graduate courses

Please refer to the relevant academic chapter for admission requirements for specific courses.

Course applications: local students

Undergraduate course applications

Applications for the faculty's undergraduate courses are processed by the Universities Admissions Centre (UAC). Courses offered are:

- Bachelor of Health Sciences
- Combined degrees of Bachelor of Health Sciences/Master of Clinical Vision Sciences
- Combined degrees of Bachelor of Health Sciences/Master of Health Informatics (*no new intake in 2009*)
- Combined degrees of Bachelor of Health Sciences/Master of Rehabilitation Counselling
- Exercise and Sport Science
- Combined degrees of Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition)
- Medical Radiation Sciences
- Occupational Therapy
- Physiotherapy
- Speech Pathology

Information on UAC Applications

UAC application forms and information guides are available in August each year:

- For NSW Higher School Certificate students, they can be obtained from their schools.

- For ALL other undergraduate applicants, they can be obtained from major newsagents or from the Universities Admissions Centre.
- Applicants can also apply online at: www.uac.edu.au.

UAC postal address:
UAC, Locked Bag 112
Silverwater NSW 2128
Phone: +61 2 9752 0200

The closing date for UAC applications is late September, however late applications may be lodged until early-February upon payment of the specified late fee. UAC does not guarantee that applications received after 30 September will be considered in the main round of offers.

Postgraduate coursework applications

Applications for Graduate Entry Master's programs via UAC

Applications for the faculty's Graduate Entry Master's (GEM) courses will be submitted through the Universities Admissions Centre (UAC). These courses are:

- Master of Diagnostic Radiography
- Master of Exercise Physiology
- Master of Health Informatics
- Master of Nuclear Medicine
- Master of Occupational Therapy
- Master of Orthoptics
- Master of Physiotherapy
- Master of Radiation Therapy
- Graduate Diploma of Rehabilitation Counselling
- Master of Rehabilitation Counselling
- Master of Speech Language Pathology

Applications are made online via the UAC website, www.uac.edu.au from early September of the year before starting the course. For the 2009 intake, on-time applications will close on 31 October and late applications will close on 15 December, 2008. Prospective students should check for special entry or additional requirements for the course they are applying for. Students who submit their applications on time will automatically be considered for a Commonwealth-supported place (CSP) which will be awarded on a merit basis. Late applicants will be considered for a CSP only if places are still available. There is no requirement to submit a separate application for a CSP.

Applications for specialist courses directly to the faculty

Information and application forms for the faculty's postgraduate specialist courses are available from Student Central in September each year, or on the following website: www.fhs.usyd.edu.au.

Applications close on 30 November for the Semester 1 intake of the following year, and 30 April for the Semester 2 intake of the same calendar year.

Applications for research degrees

Applications for graduate research programs close 30 November. Such applications will be processed as soon as possible but offers are dependent on the availability of research places. Commencing students may only enrol before the HECS census date of any semester.

All applications for courses commencing in the second semester close on 30 April.

Non-award enrolment for undergraduate and postgraduate students

Non-award students are students who are enrolled in a unit or units of study but are not proceeding to a degree or diploma of the University. The faculty may permit enrolment in a particular unit or units provided that the student has an appropriate academic background and that the unit coordinator considers that the student will benefit from the unit, that accommodation is available and that the enrolment does not prevent a place in that unit being available to a student proceeding to a degree or diploma.

A student who is subsequently admitted to a course of the University for which units completed as non-award enrolment form a part, may receive credit for those units.

Enquiries concerning eligibility for enrolment and the availability of units should be directed to Student Central. Applications for non-award studies should be submitted to Student Central.

Cross-institutional enrolment for undergraduate and postgraduate students

Students enrolled in a recognised tertiary course at another institution will be permitted to enrol in any unit in degree and diploma courses in the Faculty of Health Sciences, providing the unit is approved by the home institution, the applicant satisfies the prerequisite knowledge to study the unit and resources are available to support the enrolment in the unit.

Undergraduate students who are Commonwealth supported at their home institution are eligible to be Commonwealth supported at their host provider. Other students may be required to pay tuition fees.

Enquiries concerning application procedures and eligibility should be directed to Student Central, phone: +61 2 9351 9161.

Course applications: international students

Applications from international students are accepted for most degrees offered by the Faculty of Health Sciences. The method of application changes according to the degree or circumstances, so students should check the information below for details.

Undergraduate courses

If you are studying one of the following qualifications in 2008, then you should apply through the Universities Admissions Centre (UAC):

- an Australian Year 12 qualification (eg. NSW HSC, VCE, SA Matriculation) either inside or outside of Australia
- the International Baccalaureate in Australia
- the New Zealand Certificate of Educational Achievement (NCEA) Level 3 in New Zealand.

International students undertaking one of the above qualifications should apply through the UAC International module: www.uac.edu.au/international/.

If you are not studying any of the above qualifications, you should apply directly to the University of Sydney via the International Office or an approved agent.

Postgraduate coursework applications

Applications for Graduate Entry Master's programs

Applications by international students for the Graduate Entry programs are made either directly to the International Office or via an approved agent. See the International Office website for details on application procedures and closing dates.

Applications for specialist courses

One specialist program, Exercise and Sport Science, requires an application by international students to be made either directly to the International Office or an approved agent.

Otherwise, international students study the specialist degrees off-campus: applications are made directly to the Faculty. See the following pages for information on courses and links to the application forms: www.fhs.usyd.edu.au/future_students/masters/index.shtml.

Research degrees

International students can enrol in a research degree by either on-campus or off-campus mode. For the on-campus mode, applications are made via the International Office.

For off-campus studies, applications are made directly to the Faculty: www.fhs.usyd.edu.au/future_students/research_degrees/index.shtml.

International Office

For information on applications procedures, closing dates and for general information related to studying in Australia, visit the website of the International Office of the University of Sydney: www.usyd.edu.au/fstudent/international/index.shtml.

Core knowledge areas – undergraduate courses

Students undertaking most undergraduate courses in the faculty are required to study anatomy, physiology, psychology and sociology as core areas.

The depth to which these areas are studied depends on the requirements of individual courses. In a number of courses, other areas of science are studied including biochemistry, biophysics, microbiology, biomechanics, applied physiology or research methods.

Behavioural Sciences

Behavioural Science units are normally made up of three strands: psychology, sociology and research methods.

Psychology is the science of human behaviour. Areas of study include: normal and abnormal psychological development, perception, cognition, personality development, health and human behaviour, and psycho-social aspects of illness and disability.

Sociology is a distinctive form of social inquiry that addresses the origins, nature, and prospects of modern societies. It systematically analyses a range of public issues, and it seeks to explain human behaviour by focusing on the social context within which it occurs. Health sociology is a recognised subdiscipline which includes the following topics: the relationship between social inequality and health; the nature of client-practitioner interactions; the processes of policy formation and service delivery in healthcare; and the relationship between health, medicine, and society.

Research Methods units involve the study of how information (data) is collected, measured and analysed, and making conclusions on the basis of these investigations. Research methods units involve a substantial amount of study using computer resources.

Biomedical Sciences

Biomedical Sciences units include the following areas of study:

Anatomy is the study of the structure of the human body and the relationships of body parts to provide a basis for understanding how the body functions. It involves investigation of cells, tissues, organs and systems (including the skeletal, muscular, nervous, endocrine, circulatory, respiratory, digestive, renal and reproductive systems).

Physiology is the study of the mechanisms of body function, the physical, chemical, biochemical and homeostatic processes operating at the cellular level and at the level of the human organism.

Biochemistry and Biophysics include the physics and chemistry necessary for an understanding of biological processes and systems.

Microbiology is the study of microorganisms, and in particular their interactions with man. The ways in which diseases may be transmitted, and their prevention is emphasised.

Knowledge expected of commencing undergraduate students

In pursuing any biological science or applied science course at university level, a basic knowledge of biology/physiology, chemistry, mathematical or physics concepts is essential to an understanding of theories of structure and function of the human organism. Rather than define specific mathematics and science subjects as prerequisities, the faculty has provided the following information to assist applicants gauge their preparedness to undertake particular programs of study.

Applicants should refer to the course(s) in which they are interested for more specific information on levels of assumed knowledge. Students who do not meet the required level of assumed knowledge are encouraged to contact Continuing Professional Education on +61 2 9351 9343 about bridging courses or supplementary work to bring themselves up to the required level of knowledge.

The following summaries state concepts, knowledge, abilities and skills which enable easier assimilation by students commencing study. The items listed are not prerequisites. The summaries provide a useful basis for any remedial tuition for students who feel their science background to be inadequate during the first year of study.

Biology

(relevant to all students)

Although no prior knowledge is expected, an understanding of the basics of biology would be beneficial to students undertaking subjects with a physiology component. Introductory physiology subjects cover topics which are part of most high school biology courses.

Chemistry

(relevant to all students)

- Understanding of the following concepts and terms: atom, subatomic particles (proton, neutron, and electron), periodic table, electronic configuration, ions, covalent, and ionic bonds, electronegativity and shape, metals and non-metal.
- Knowledge of the names and chemical symbols of the first 36 elements of the periodic table, and other common elements.
- Knowledge of the following concepts and terms: types of compounds such as acids, bases, pH, salts, mole, molar mass, solids, liquids, gases, temperature, and bond energies.
- Knowledge of the usual valencies of the common elements, ions and polyatomic ions.
- Ability to write word, ionic, and stoichiometric equations for chemical reactions.
- For students who feel that their understanding of chemistry is inadequate, a chemistry bridging course is offered before the start of Semester One.

Grammatical analysis

(relevant to Speech Pathology and Bachelor of Health Science students undertaking the Hearing and Speech second major)

- Familiarity with the terminology of traditional English grammar and common classes – e.g. noun, verb, preposition, adverbial phrase, subordinate clause, etc.
- Ability to distinguish clauses from phrases, and simple sentences from complex ones.
- Knowledge of construction of phrases – e.g. NP, UP, PP etc.
- Ability to identify the elements of clauses – i.e. subject, objects, verbs, adverbs, and complements.

Students enrolling in Speech Pathology or the Bachelor of Health Sciences with a Hearing and Speech major are strongly advised to undertake the grammatical analysis bridging course before the start of the first semester.

Mathematics

(relevant to Exercise and Sport Science, Health Informatics, Medical Radiation Sciences and Physiotherapy)

- Identify and be familiar with the following concepts and terms: number, numeral, variable, reciprocal, ratio, function, logarithm (exponent or index).
- Knowledge of laws of indices, and the associated behaviour of logarithms.
- Ability to perform the following algebraic operations: multiplying through brackets; collecting like terms; changing the subject of simple formulae.
- Ability to solve linear simultaneous equations in two variables, such as:

  x + 2y = 5

  2x - 3y = 4

- Ability to use scientific notation for large and small numbers, and to multiply, divide, add and subtract numbers written in this notation.
- Knowledge of the trigonometric ratios, sine, cosine and tangent, and the ability to determine their values for angles.
- Ability to draw graphs of the following kinds of relations:

  y = mx + b

  y = ax^2 + bx + c

  y = ax^m

- Ability to carry out quick and accurate computations using a digital calculator.
- Ability to draw a graph of the relationship of a dependent variable to an independent variable and to be able to interpret such graphs.
- Ability to differentiate and integrate functions including polynomials, exponentials and trigonometric functions.

Physics

(relevant to Clinical Vision Sciences, Medical Radiation Sciences and Physiotherapy)

- Identify and be familiar with the following concepts and terms: motion, scalars and vectors.
- Knowledge of wave motion, light, wave phenomena.
- Identify and be familiar with the following concepts and terms: heat, temperature, calorimetry, heat transfer and expansion.
- Knowledge of the terms: density, force and pressure.
- Identify and be familiar with levers and pulleys.
- Identify and be familiar with the following concepts and terms: electrostatics, electric and potential fields, capacitance and Ohm's law.
- Knowledge of radioactivity and ionising radiation.
- For students who feel that their understanding of physics is inadequate, a physics bridging course is offered before the start of the first semester.

Preparatory courses

The following short courses are designed to address the needs of students who have already been accepted into award courses at the Faculty of Health Sciences/University or elsewhere. They should not be confused with preparation courses to be undertaken by prospective students in order to qualify for admission to the University under its Mature Age Entry scheme.

Learning Assistance

During Orientation week and at various times throughout the year, the Learning Centre on Cumberland campus runs workshops on specific skills or tasks to assist students to develop academic skills.

For further information, visit the website:
www.usyd.edu.au/stuserv/learning_centre/cumbwks.shtml or contact Student Services (Cumberland Campus) on +61 2 9351 9638.

Bridging courses

Bridging courses are recommended for undergraduate and postgraduate students who feel that they have not attained the assumed knowledge for the course they are entering, or those who need to refresh their memory.

Courses may be taken at the Cumberland campus and/or Camperdown campus.

Courses offered at Cumberland campus

Chemistry, Physics and Grammatical Analysis

Bridging courses are held in February each year, approximately two weeks prior to the start of Semester 1. While bridging courses may be strongly recommended for commencing students, they are not prerequisites. For further information on these courses see: www.fhs.usyd.edu.au/future_students/undergrad/bridging/bridging.shtml.

Courses offered at Camperdown campus

Chemistry

This course is conducted over 7 days in February. For further information see:
www.chem.usyd.edu.au/study/bridgingcourse.html.

Mathematics

For information on the mathematics bridging course at Camperdown campus see:
www.usyd.edu.au/fstudent/undergrad/study/ssm/bridging.

Physics

For information on the physics bridging course at Camperdown campus see www.physics.usyd.edu.au/ or phone (02) 9036 4789.

Study preparation for international students

A Study Preparation Program is offered prior to the start of each semester to international students who have accepted a place in the faculty to prepare them for academic study in an Australian health sciences context.

Further information is available from Student Services (Cumberland Campus) on +61 2 9351 9638.

Undergraduate honours programs

The degree of Bachelor of Applied Science may be awarded in the grade of honours in the following programs:

- Exercise and Sport Science
- Health Information Management
- Leisure and Health
- Medical Radiation Sciences
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Speech Pathology

The degree of Bachelor of Health Science may be awarded in the grade of honours in the following programs:

- Aboriginal Health and Community Development
- Hearing and Speech
- Rehabilitation Counselling

Detailed information is given in each course entry in this handbook or is available from the relevant honours coordinator.

Honours policy in the Faculty of Health Sciences

All undergraduate programs in the Faculty of Health Sciences have an honours program available for students who have performed at an exceptional level throughout their degrees. In four year degree programs, honours is taken concurrently with the pass degree. In three year programs, honours students take an additional fourth year of study, but some honours units of study may commence in third year.

Entry to honours programs is competitive, and the number of students accepted into honours will vary from year to year. Furthermore, offers are not automatic and are at the final discretion of the discipline in

which the student is enrolled. Students who are considering honours should therefore consult with the honours course coordinator.

All honours programs have a discipline-specific research component. Further details can be found in the relevant discipline chapter of the faculty handbook.

Grades of honours

The Faculty of Health Sciences awards honours grades based upon students' aggregate work within the honours program. The grades are as follows:

Honours grades	
First Class	80-100%
Second Class/ Division 1	75-79%
Second Class/ Division 2	70-74%
Third Class	65-69%
Honours shall not be awarded below 65%	

Eligibility for honours

Credit Average: To be considered for honours admission in the Faculty of Health Sciences, a student must have a Weighted Average Mark (WAM) at a Credit level (i.e. 65 per cent) or above. Note that the WAM is a weighted average, and that units of study with greater credit point values are given higher weightings in the calculation. Also note that units of study in which only R (satisfied requirements) grades are awarded (eg clinical placements in some courses) are not included in the WAM. Credit from other studies is also excluded from the WAM.

Competitive entry: The requirements of honours programs are more challenging and demanding than those of pass degrees. Places in honours will only be offered to students who have been performing at a standard clearly above the average for their cohort throughout their degree.

No prior failures in units of study: In assessing eligibility for honours, honours course coordinators will evaluate students' performance across the entire undergraduate program. Preference will be given to students who have not failed any units of study. However, honours course coordinators have discretion in determining the relevance of a failed unit to honours candidature, assuming the student has an excellent record otherwise.

Continuation within honours

Maintain credit average: The University of Sydney will not award honours to a student who does not attain a credit or above for their overall honours mark (see above). Students who are at risk of falling below a credit mark for honours will be counselled about transferring to the pass degree.

Failure during Honours: Students who fail a unit of study in their honours program will be advised that unless they perform at an outstanding level in all other units of study, they are unlikely to be able to maintain a credit average throughout honours and should consider transferring to the pass degree.

Summary of courses

Summary of undergraduate degrees

Area of study	Yrs	Mode	Code
Bachelor of Applied Science (BAppSc)			
Exercise, Sport Science and Nutrition***	4	full-time	SH115
Exercise and Sport Science*	3	full-time	SH088
Health Information Management* (*last intake 2006*)	4	full-time	SH096
Leisure and Health*(*last intake 2004*)	6	off-campus	SH103
Medical Radiation Sciences*	3	full-time	
Diagnostic Radiography			SH116
Nuclear Medicine			SH117
Radiation Therapy			SH118
Occupational Therapy (*last intake 2008*)*	4	full-time	SH111
Occupational Therapy*	4	full-time	SH135
Orthoptics*(*last intake 2006*)	4	full-time	SH099
Physiotherapy (*last intake 2008*)*	4	full-time	SH095
Physiotherapy*	4	full-time	SH137
Speech Pathology*(*last intake 2007*)	4	full-time	SH040
Speech Pathology*	4	full-time	SH128
Bachelor of Applied Science (Exercise and Sport Science) / Bachelor of Science (Nutrition)**	5	full-time	SH093
Bachelor of Applied Science (Exercise and Sport Science) / Master of Nursing	4	full-time	GH018
Bachelor of Health Science (BHlthSc)			
Aboriginal Health and Community Development* (*no first year intake in 2008*)	4	block attendance	SH059
Hearing and Speech* (*last intake 2007*)	3	full-time	SH068
Rehabilitation Counselling* (*last intake 2006*)	4	full-time	SH085
Bachelor of Health Sciences (BHlthSci)	3	full-time	
Bachelor of Health Sciences* (*last intake 2007*)			SH122
Bachelor of Health Sciences*			SH130
Bachelor of Health Sciences/Master of Nursing	4	full-time	GH016
Bachelor of Health Sciences/Master of Clinical Vision Sciences	4	full-time	
Bachelor of Health Sciences/Master of Clinical Vision Sciences (*last intake 2007*)			SH124
Bachelor of Health Sciences/Master of Clinical Vision Sciences			SH131
Bachelor of Health Sciences/Master of Health Informatics (*no first year intake in 2009*)	4	full-time	SH132
Bachelor of Health Sciences/Master of Rehabilitation Counselling	4	full-time	
Bachelor of Health Sciences/Master of Rehabilitation Counselling (*last intake 2007*)			SH126

Area of study	Yrs	Mode	Code
Bachelor of Health Sciences/Master of Rehabilitation Counselling			SH133

Singapore Institute of Management courses

Area of study	Yrs	Mode	Code
Medical Radiation Technology[#](July start) (*last intake 2007*)	1	part-time	SH076
Nursing[#] (*last intake 2007*)	2	part-time	SH077
Occupational Therapy[#] (July start) (*last intake 2007*)	1	part-time	SH075
Physiotherapy[#] (July start) (*last intake 2007*)	1	part-time	SH079
Physiotherapy[+] (*last intake 2008*)	0.5	full-time	SH083

Notes to undergraduate degrees:

** Honours program available. Total course length 4 years full-time*

*** Includes Honours in Nutrition, or Nutrition and Dietetics in Year 5*

**** Students must enrol in the combined degrees in Exercise and Sport Science/Nutrition in Year 1*

 # Off-shore (Singapore-based) conversion courses

+ On-shore (Sydney-based) conversion courses

Doctor of Philosophy (PhD) (generic award)

SB019

Full-time: minimum 3 years – maximum 4 years
Part-time: minimum 3 years – maximum 8 years

Doctor of Health Science (HScD) (generic award) (no intake in 2009)

SB017

Full-time: minimum 3 years – maximum 4 years
Part-time: minimum 6 years – maximum 8 years

Master of Applied Science (MAppSc) generic award

SC108

Full-time: minimum 1.5 years – maximum 2 years
Part-time: minimum 1.5 years – maximum 4 years

Master of Health Science (MHlthSc) by coursework

Area of study	Code	Minimum duration
Behavioural Science (*last intake 2008*)	SC047	1 year full-time or 2 years part-time
Cardiopulmonary Physiotherapy (*last intake 2008*)	SC086	1 year full-time or 2 years part-time
Child and Adolescent Health (*last intake 2008*)	SC048	1 year full-time or 2 years part-time
Clinical Data Management	SC097	1 year full-time or 2 years part-time
Developmental Disability	SC107	1 year full-time or 2 years part-time
Education	SC066	1 year full-time or 2 years part-time
Health Informatics (*last intake 2007*)	SC095	1 year full-time or 2 years part-time
Health Informatics specialising in Nosology (*last intake 2007*)	SC130	1 year full-time or 2 years part-time
Indigenous Community Health (*last intake 2007*)	SC106	1 year full-time or 2 years part-time
Manipulative Physiotherapy (*last intake 2008*)	SC085	1 year full-time or 2 years part-time
Medical Radiation Sciences	SC077	2 years part-time
Medical Sonography	SC076	3 years part-time
Neurological Physiotherapy (*last intake 2008*)	SC088	1 year full-time or 2 years part-time
Occupational Therapy (*last intake 2007*)	SC074	1 year full-time or 2 years part-time
Physiotherapy (*last intake 2008*)	SC092	1 year full-time or 2 years part-time
Physiotherapy, with the following streams:	SC148	1 year full-time or 2 years part-time
Cardiopulmonary Physiotherapy		
Manipulative Physiotherapy		
Neurological Physiotherapy		
Paediatric Physiotherapy		
Sports Physiotherapy		
Paediatric Physiotherapy (*last intake 2008*)	SC087	1 year full-time or 2 years part-time
Sexual Health	SC109	1 year full-time or 2 years part-time
Speech-Language Pathology (*last intake 2008*)	SC084	1 year full-time or 2 years part-time
Sports Physiotherapy (*last intake 2008*)	SC090	1 year full-time or 2 years part-time

Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

Course code	Minimum duration
SC105 (last intake 2008)	2 years full-time or 3 years part-time

Master of Health Sciences (MHlthSci)

Area of study	Code	Minimum duration
Master of Health Sciences with the following streams:	SC144	1 year full-time or 2 years part-time
Generic		
Gerontology		
Indigenous Health Studies (*no intake in 2009*)		
Occupational Therapy		
Orthoptics		
Speech Pathology		

Master of Diagnostic Radiography (MDR)

Course code	Minimum duration
SC131	2 years full-time

Master of Exercise Physiology (MExPhys)

Course code	Minimum duration
SC149	2 years full-time

Master of Exercise and Sport Science (MExSpSci)

Stream	Code	Minimum duration
Clinical Exercise Science	SC129	1 year full-time or 2 years part-time

Stream	Code	Minimum duration
Sports Performance	SC127	1 year full-time or 2 years part-time

Master of Health Informatics

Course code	Minimum duration
SC143	2 years full-time or 4 years part-time

Master of Nuclear Medicine (MNM)

Course code	Minimum duration
SC133	2 years full-time

Master of Occupational Therapy (MOT)

Course code	Minimum duration
SC063 (*last intake 2008*)	2 years full-time or 4 years part-time
SC141	2 years full-time or 4 years part-time

Master of Orthoptics (MOrth)

Course code	Minimum duration
SC110	2 years full-time or 4 years part-time

Master of Physiotherapy (MPhty)

Course code	Minimum duration
SC104	2 years full-time

Master of Radiation Therapy (MRT)

Course code	Minimum duration
SC135	2 years full-time

Master of Rehabilitation Counselling (MRehabClng)

Course code	Minimum duration
SC102 (*last intake 2007*)	1.5 years full-time or 3 years part-time
SC147	2 years full-time or 4 years part-time

Master of Speech Language Pathology (MSLP)

Course code	Minimum duration
SC112	2 years full-time or 4 years part-time

Graduate Diploma of Health Science (GradDipHlthSc)

Area of study	Code	Minimum duration
Education	SF046	1.5 years part-time
Exercise and Sport Science	SF054	1 year full-time or 1.5 years part-time
Indigenous Community Health (*last intake 2007*)	SF056	1 year full-time or 1.5 years part-time
Medical Radiation Sciences	SF053	1.5 years part-time
Medical Sonography	SF052	2 years part-time
Sexual Health	SF057	1 year full-time or 1.5 years part-time

Graduate Diploma in Communication Disorders (GradDipCommDis)

Course code	Minimum duration
SF059	1 year full-time

Graduate Diploma in Rehabilitation Counselling (GradDipRehabClng)

Course code	Minimum duration
SF055 (*last intake 2008*)	1 year full-time or 2 years part-time
SF061	1 year full-time or 2 years part-time

Graduate Certificate in Health Science (GradCertHlthSc)

Area of study	Code	Minimum duration
Behavioural Science (*last intake 2008*)	SG010	0.5 year full-time or 1 year part-time
Child and Adolescent Health (*last intake 2008*)	SG029	0.5 year full-time or 1 year part-time
Clinical Data Management	SG017	1 year part-time
Developmental Disability	SG028	0.5 year full-time or 1 year part-time
Education	SG032	0.5 year full-time or 1 year part-time
Exercise and Sport Science	SG026	0.5 year full-time or 1 year part-time
Indigenous Community Health (*last intake 2007*)	SG021	0.5 year full-time or 1 year part-time
Medical Radiation Sciences	SG024	1 year part-time
Medical Sonography	SG023	1 year part-time
Occupational Therapy (*last intake 2007*)	SG022	0.5 year full-time or 1 year part-time
Sexual Health	SG030	0.5 year full-time or 1 year part-time

Graduate Certificate of Health Sciences (GradCertHlthSci)

Area of study	Code	Minimum duration
Graduate Certificate of Health Sciences with the following streams:	SG034	0.5 year full-time or 1 year part-time
generic		
Gerontology		
Indigenous Health Studies		
Occupational Therapy		
Orthoptics		
Speech Pathology		

Singapore off-shore courses

Offered in Singapore in conjunction with Singapore Institute of Management

Course	Code	Mode	Minimum duration
Master of Health Science (Management)	SC078	off-shore	2 years
Master of Health Science (Education)	SC099	off-shore	2 years
Master of Health Science (Gerontology) (*last intake 2007*)	SC103	off-shore	2 years

Units of study numbering system

The units of study numbering system consists of four letters and four digits. The letters of the alphabet identify the academic unit responsible for the unit of study. The first of the four digits corresponds as far as possible to the level of the unit, and the remaining three digits are sequentially allocated as required.

The identifying alphabet codes of the faculty's areas of study are:

Area of study	Alphabet code
Behavioural and Social Sciences in Health	BACH
Biomedical Sciences	BIOS
Developmental Disability	GSDD
Doctor of Health Science	DHSC
Exercise and Sport Science	EXSS
Health Informatics	HIMT
Health Sciences	BHSC
Health Sciences	HSBH
Health Sciences	HSBM
Health Sciences	HSGS
Indigenous Health Studies	AHCD
Medical Radiation Sciences	MRTY
Medical Radiation Sciences (Graduate entry)	MRSC
Occupational Therapy	OCCP
Orthoptics	ORTH
Physiotherapy	PHTY
Rehabilitation Counselling	REHB
Singapore off-shore courses	SING
Speech Pathology	CSCD

4. Student administrative information

Enrolment

Correct enrolment is the individual responsibility of each student.

The faculty assumes that those enrolled in the faculty have an understanding of the rules and regulations outlined in this handbook as they relate to the particular program being undertaken.

While Student Central at the Faculty of Health Sciences will assist you to understand and interpret these rules and regulations, it is in your interests to put your requests to the faculty in writing in order to obtain a written reply for your own records and to ensure that a copy is placed on your student file for future reference.

Verbal advice, while given in good faith, may be given on an incomplete understanding of your situation as you have presented it or may be misinterpreted or misunderstood.

Deferment of enrolment

A person granted admission to an undergraduate course of the faculty and who undertook the NSW Higher School Certificate, or its equivalent, in the preceding year, will be permitted to defer enrolment for a maximum period of one year, upon written application to the Admissions Officer, University of Sydney by the specified date.

Deferment of enrolment will not normally be granted to enable an applicant to undertake another tertiary course.

Deferment of enrolment will not normally be granted to other students, including postgraduate students unless there have been extreme and unpredictable changes in circumstances since applying for the course. A request together with documentary evidence for special circumstances may be lodged in writing to the Manager, Student Central, Faculty of Health Sciences.

International students may be permitted to defer enrolment upon written application to the University of Sydney International Office, and approval of the course coordinator.

Enrolment of continuing students

Students continuing into next year will pre-enrol on the web (POW) in October of the preceding year of enrolment.

Students whose pre-enrolment on the web (POW) is unsuccessful will be required to enrol in person (except for off-campus students) at scheduled times in mid-February, and will be required to pay fees at enrolment. A notice will be sent to these students in late January.

Enrolment variations

Students should carefully check the statements of enrolment that are posted to the semester address registered with the University. Variations of enrolment may be made online via the MyUni website or through Student Central by the due date.

Advising the lecturer or the discipline of a change to your enrolment is not sufficient. Students have sometimes found themselves with an unwelcome result of Absent Fail or with an unnecessary HECS liability because they either did not check their enrolment carefully or forgot to advise the University of a new correspondence address. Students are encouraged to check with Student Central without delay if they believe their formal enrolment may not be correct.

Students wishing to withdraw from a unit of study in which they have enrolled and enrol into a new unit of study must do so at Student Central or via MyUni by:

- the end of the second week of first semester (for first semester units of study)
- the end of the second week of second semester (for second semester units of study)

Enrolment restrictions

Under the provisions of the Faculty Resolutions (2006), except with the permission of the Dean, an undergraduate student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

A student enrolled in a postgraduate award course may not enrol in units of study with a total value of more than 24 credit points in any one semester, or 12 credit points in the summer session.

Credit transfer

Policies

While the Faculty of Health Sciences (FHS) wishes to give students maximum credit for study previously completed, it should be recognised that units of study taught in the faculty are specifically directed at developing professional skills.

There are three types of credit transfer:

1. Specified credit

This applies when a student is not required to take a specific unit of study (subject) because studies deemed to be equivalent have been completed. This is shown as units credited on the academic transcript.

2. Block credit

For whole years or stages of a course.

3. Non-specific credit

Awarded when previous studies are deemed to have satisfied defined components of a course other than named units of study.

Application procedures

Details of the process for applying for credit transfer are given on the ‘Credit Transfer' leaflet available from Student Central, or from: www.fhs.usyd.edu.au/forms/credit_application_form.pdf.

All students who intend to apply for credit transfer, must finalise their applications for the academic year by 13 February, 2009 and only in exceptional circumstances (with documentary evidence) will an extension be granted until Week 1 of Semester 1. Applications must be made on the appropriate form and lodged in person with, or posted to, Student Central.

Students should attend classes until the results of their credit transfer application have been advised.

Implications of gaining credit from other studies

Students need to consider the following implications of gaining credit from other studies:

- decreased workload – (this may affect your eligibility for Austudy/Abstudy/Youth Allowance)
- effect on Weighted Average Mark (WAM) – The WAM is used for entry to honours programs, the award of scholarships for postgraduate study and, for Physiotherapy students, allocation to a hospital job. Units of study without a grade are not included in the calculation of your WAM, but if you had done the unit of

study, it is likely that you would have attained high marks and your WAM would therefore have been higher. Conversely, it might be argued that with advanced standing in one or more units of study, additional time could be devoted to remaining units of study, resulting in higher marks and an increased WAM.

Maximum credit

In undergraduate programs of 3 years standard length, a maximum of two thirds credit transfer is permissible. In undergraduate programs of 4 years standard length, a maximum of three quarters credit transfer is permissible. In graduate coursework programs, a maximum of 50 per cent credit transfer is permissible.

Supporting documentation

If you are claiming credit on the basis of previous study at another tertiary institution you are required to supply an academic transcript and official subject descriptions, photocopied from the handbook or calendar of the previous tertiary institution for the year in which the subjects were studied. Additional information, such as lecture/tutorial outlines and/or reading lists, may assist in assessing your eligibility for credit.

If you are claiming credit solely on the basis of previous study at the Faculty of Health Sciences, it is not necessary to provide academic records or subject descriptions in support of your application.

Determination of credit transfer

In general, each student's case is considered individually on the basis of information submitted. However:

- The quality of the documentation supplied with your application will have a significant bearing on its success.
- Where it is unclear how closely your previous educational achievements are matched to your future requirements, you may be asked to take a **'Challenge Examination'**. This examination provides an additional opportunity for you to prove your knowledge and receive credit transfer. If a challenge exam is required the relevant unit coordinator will contact you directly regarding arrangements.

Suspension of candidature, special leave, discontinuation

Suspension of candidature

Suspension of candidature for a specific period may be granted by the faculty to students in special circumstances. Suspension of candidature is normally granted for one or two semesters but, in exceptional circumstances, up to two years leave may be granted.

Students wishing to return from suspension of candidature must apply to the faculty to resume studies, and, if approved, will re-enrol in all incomplete required units, or their nearest equivalent.

Students applying for suspension of candidature must complete an 'Application for suspension of candidature' form available from Student Central, or at:
www.fhs.usyd.edu.au/forms/suspension_candidature_application.pdf
and forward it to Student Central. Students are required to discuss the intended leave with the course coordinator and to seek approval prior to lodging the application. The application must detail the reasons why such leave is sought and documentary evidence in support of the application must be attached to it.

Unless applications are lodged before 31 March (in first semester) or 31 August (in second semester), the student will incur a Higher Education Contribution or course fees liability for the semester.

Special leave

Special leave may be granted by the course coordinator for a period of time (usually not exceeding two months) during the current year of a student's course. Such leave will be granted only if all studies/assessments can be completed in the current year to the satisfaction of the appropriate academic unit, otherwise the student should apply for suspension of candidature (see above).

Students seeking special leave must apply in writing to their course coordinator. Students who are granted special leave will be regarded as continuing in their currently enrolled units.

Discontinuation of studies

Discontinuation of studies refers to the formal abandonment of a course of study after enrolment.

Unless applications are lodged before 31 March (in first semester) or 31 August (in second semester), the student will incur a Higher Education Contribution or course fees liability for the semester and will expend a portion of their Student Learning Entitlement.

Students applying to discontinue their studies must complete an 'Application for discontinuation of studies' form, available from Student Central or from the website:
www.fhs.usyd.edu.au/forms/discontinuation_course_application.pdf.

If a student discontinues after the prescribed dates and produces appropriate evidence with the application to verify that discontinuation was due to serious illness or misadventure, the faculty may approve all units to be endorsed DNF 'discontinued – not to count as failure'.

Note: students will only be permitted to withdraw up until the end of the last week of teaching (Week 13) each semester.

Students who abandon their course after enrolment and neglect to formally discontinue (that is, 'dropping-out') will be deemed to have failed all units in which they are enrolled and will be ineligible for any refund of fees.

Re-admission after discontinuation or abandonment of course

Students who discontinue or abandon a course lose their status as registered students of the University. Any subsequent application for re-admission to the course from which they discontinued must be lodged by the advertised closing date, in accordance with the usual procedures for the course. Such an application will be considered with all other applications received that year for that course.

Course transfers

The only allowable internal course transfers are from the Bachelor of Health Sciences (BHS) to the combined degrees (BHS/Master of Clinical Vision Sciences, BHS/Master of Health Informatics or the BHS/Master of Rehabilitation Counselling). Students must have a credit grade point average in the BHS to be eligible.

Students who wish to transfer to another undergraduate course in the University must apply through the Universities Admissions Centre (UAC), in accordance with the instructions set out in the UAC Guide, or at www.uac.edu.au. These applications will be considered along with all other applications in the current year for the chosen course. No preference will be given to students already enrolled at the University. If the student has completed one full-time year of study their application will be considered on the basis of their tertiary and secondary record and any other course-specific criteria. If a student commences a course of study at the University of Sydney (or elsewhere), but does not complete one full-time year, they will be selected on the basis of their UAI.

Postgraduate students wishing to articulate to a higher award or exit with a lower award within the same discipline are advised to contact the course coordinator before lodging an 'Application for Course Transfer' form with Student Central.

Examinations and assessment

General

The term ‘assessment’ shall include any assessment or examination conducted by the faculty. Assessments may take the form of written assignments or examinations, as well as practical and oral assessments.

Assessments are conducted throughout the semester, as well as during approved assessment periods; traditionally this is during Weeks 15 and 16 of a semester.

Attendance at assessments

It is the individual student’s responsibility to be available for all assessments. Students who intend travelling away from Sydney should ensure that they are able to return in time to undertake an assessment including further testing at the time and place set down. The time or place for an assessment will not be altered to accommodate students who are unable to attend.

Students are required to be present at the correct time and place. Misreading or misunderstanding of the time and/or the location of an assessment will not be accepted as a reason for failure to attend an assessment. Non-attendance on these or any other grounds insufficient to claim illness or misadventure will result in forfeiture of marks associated with the assessment.

In certain circumstances, a student may be permitted to take examinations overseas, generally at a nominated university. These circumstances usually relate to travel for study purposes or for experience directly connected with studies approved by a course coordinator. It is the responsibility of the student to obtain the approval of the course coordinator through Student Central before proceeding overseas. A fee for administration costs will be applicable for this service, payable by the student.

Completion of assessment requirements

Incomplete results will normally be converted to an AF (absent fail) result at the end of Week 3 in the following semester.

Assessment timetables

Provisional and final time tables for assessments scheduled in Weeks 15 and 16 of a semester are displayed at:
www.usyd.edu.au/su/recserv/exam/examdept.htm.

Candidates are required to notify Student Central (Cumberland) in writing of any clashes apparent in the provisional timetable. It is the responsibility of the candidates to ascertain the time and place of the examination from the final timetable. Information concerning timetables will not be given by phone.

Conduct of candidates

Candidates shall not, by any improper means, obtain or endeavour to obtain assistance in their work, or endeavour to give assistance to any other candidate.

Candidates shall not behave in such a way as will interfere with another candidate's right to undertake an assessment. Candidates shall not do anything designed to disadvantage other candidates during an assessment.

Misconduct in an assessment will be dealt with under the rules of the faculty and the statutes of the University of Sydney. Overall, failure to comply with the University’s standards for academic honesty may lead in appropriate cases to failure in the work submitted for assessment or failure overall in the unit of study or such penalty as is imposed in accordance with the University procedures on student discipline.

Students must undertake to make themselves aware of actions constituting academic dishonesty and consequences of such actions as stated in the University’s Academic Board Resolutions: Academic Honesty in Coursework:
www.usyd.edu.au/ab/policies/Academic_Honesty_Cwk.pdf
and Plagiarism: Student Coursework Policy and procedure:
www.usyd.edu.au/senate/policies/Plagiarism.pdf.

Special consideration

Students who, through serious illness or misadventure, are unable to complete an assessment may be offered special consideration to take a deferred assessment. Students have a right to ask for such consideration, and an obligation to be aware of the faculty’s requirements. Difficulties must be fully documented, in accordance with instructions, so that an appropriate evaluation of the circumstances and their severity can be made.

Students should familiarise themselves with the current Academic Board Resolutions: Assessment and Examination of Coursework Part 5 on Special Consideration which can be found at:
www.usyd.edu.au/su/ab/policies/Assess_Exam_Coursework.pdf.

To apply students should obtain application forms for special consideration by contacting Student Central or at:
www.fhs.usyd.edu.au/forms/special_consideration_application.pdf.

In general, the form, together with appropriate original documentation, should be lodged within one week of the assessment/examination period, unless very severe circumstances beyond the student’s control prevent it.

Disability

Candidates with a disability which puts them at a disadvantage in assessments may apply to Student Services (Disability Services Officer) for special provisions when assessments are taken. Students may be required to support their request with medical evidence.

Common result grades

HD – High Distinction, 85+

Indicates an outstanding level of achievement

D – Distinction, 75–84

Indicates an excellent level of achievement

CR – Credit, 65–74

Indicates an above average level of achievement

P – Pass, 50–64

Indicates an acceptable level of achievement

R – Satisfied requirements, no mark

This is used in Pass/Fail only outcomes. Can be awarded for clinical or group work. Can be awarded when a student is given partial exemption in a unit of study. In this case a mark may or may not be given.

UCN – Unit of study continuing, permanent grade

Used at the end of a semester for units of study which have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the unit of study. This could be used in clinical units of study which are conducted out of semester time.

PCON – Pass (Concessional), 46–49

Use of this grade is restricted to those units of study where a Concessional Pass is allowed to be awarded. The decision to award a PCON:

- is discretionary and not automatic on the attainment of a mark between 46 and 49
- is an exception and typically will only be awarded in terminating or non-core units of study
- will only be awarded where such an award is well defined and transparently explained in terms of performance within a unit of study and preferably in the context of standards-referenced assessment of all grades.

If more than one PCON is awarded or a Fail grade is also awarded in another unit of study in the same semester, then all PCON grades awarded in the semester revert to Fail grades.

In order to be eligible for graduation no more than 10 per cent of the total credit points for a course can be made up of PCON results.

INC – Incomplete, no mark

This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board this result will be converted to a normal permanent passing or failing grade either:

- by the Dean at the review of examination results conducted pursuant to section 2(4) of the Academic Board policy 'Examination and assessment procedures', or
- automatically to an AF grade by the end of the third week of the immediately subsequent academic session.

MINC – Incomplete with a mark of at least 50

This result may be used when examiners have grounds (such as illness and misadventure) for seeking further information or for considering additional work from the student before confirming the final mark and passing grade. Except in special cases approved by the Academic Board , this result will be converted to a normal passing mark and grade either:

- by the Dean at the review of examination results conducted pursuant to section 2(4) of the Academic Board policy 'Examinations and Assessment Procedures'; or
- automatically to the indicated mark and grade by the end of the third week of the immediately subsequent academic session.

F – Fail, 0–49

The student's performance did not reach the acceptable level for overall performance. Can be used for a research thesis that has been marked unsatisfactory.

AF – Absent Fail, no mark

Includes non submission of compulsory work, non attendance at compulsory classes ot failure to attend a compulsory examination. This result will appear as an absent fail on student transcripts. It indicates that students have failed to complete all compulsory components of a course.

W – Withdrawn, no mark

This is the result where a student discontinues a unit of study before the HECS census date i.e. 31 March (Semester 1) 31 August (Semester 2). Not recorded on external transcript.

DNF – Discontinued not to count as failure, no mark

This result applies automatically where a student discontinues after the HECS census date but before the end of the seventh week of the semester (or before half of the unit of study has run in the case of units of study which are not semester length). A faculty may determine that the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure. Recorded on external transcript. This provision can be available all year round but on the following condition: the student's academic record will reflect no penalty but they will not receive a HECS/Course fee refund.

DF – Discontinued with Failure, no mark

This applies from the time DNF ceases to be automatically available up to the cessation of classes for the unit of study. Recorded on transcript.

Common result grades – special cases

Incomplete units of study

Where an INC grade arises because all or most of the students in a unit of study have not completed the requirements of the unit, the grade will be converted to UCN **on the advice of the relevant Dean**. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of the semester (e.g. honours). The return of UCN and **not** INC for students in such extended units of study is encouraged. Faculties are asked to avoid approving the use of UCN to deal with late results from a completed unit of study.

Students with incomplete results

Faculties are authorised to approve the extension of a MINC/INC grade for individual students having a valid reason for their incomplete status.

Undergraduate honours only

H1M – Honours First Class with University Medal, > 90 (Nominated)
H1 – Honours First Class, 80–100
H21– Honours Second Class Division 1, 75–79
H22 – Honours Second Class Division 2, 70–74
H3 – Honours Third Class, 65–69
Not awarded, 0–64

Notification of results

Results will be made available to students as follows:

On the web

Results will be available progressively as they are received from examiners. Via MyUni: myuni.usyd.edu.au/ and log into My Uni.

Result notices

Individual result notices will be mailed to the student's last recorded correspondence address. It is essential to keep your address updated with the University.

Results will NOT be published on the main noticeboards.

Review of results in a completed unit

Final results in a completed unit may be reviewed on request by students. Such a review will consist primarily in ensuring that all submissions in relation to a grade have been accounted for and that the total of all marks awarded is correct.

Applications for the review must be submitted in writing to the course coordinator within 14 days of the date on which the results in question have been released.

Students dissatisfied with the outcome of a review of their result may choose to appeal the result by using the procedures approved in the faculty for an Appeal against an Academic Decision.

Appeals against an academic decision

The Resolutions of Senate and Academic Board governing appeals against Academic Decisions clearly outlines the circumstances by which a student may appeal against an academic decision, and the appeals process that must be followed by all parties in order to resolve any subsequent dispute.

The Faculty of Health Sciences has established procedures whereby a student may appeal against an academic decision. In the first instance students should seek a response from the staff member concerned, or the unit of study or course coordinator. This should be done within 15 days of the date of the academic decision. During this time the student should attempt to resolve the matter with the relevant teacher or unit of study coordinator.

If concerns cannot be resolved the student may appeal to the Faculty within 15 working days of the outcome of discussions with the teacher or unit of study coordinator. The student will submit their written concerns to the nominated staff member at Student Central. An acknowledgement to the student for receipt of a formal complaint will be made in writing within 3 days. The matter should normally be dealt with by the Dean's nominee within ten working days and the student will be advised in writing of the Faculty's decision.

Information on these procedures can be obtained from Student Central or at:
www.usyd.edu.au/ab/policies/Student_Appeals_Ac_AB.pdf

Progression

To satisfy the academic requirement for a University award, students must obtain a passing grade in all units of study in their courses.

Students must repeat failed units of study or their equivalent at the first opportunity and will be permitted to progress to the next semester in addition to repeating failed units of study, providing course requirements, including any corequisites, prerequisites and attendance requirements, can be met.

Academic advisers may prescribe the program of study for students repeating failed units of study (taking account of load, precedence for repetition of failed units of study, and timetable difficulties). Repeating failed units of study will take precedence over enrolling in next semester units.

Students who do not follow normal progression in clinical education units of study may be required to undertake additional clinical education components to demonstrate skill maintenance at a level which satisfies the course coordinator. Successful completion of such additional components will be a prerequisite to enrolment in the subsequent level of clinical education study.

Progression and students at risk

The Academic Board recognises the value of reliably and efficiently monitoring the progress of students in their studies, and of having systems in place to promote the early detection of students who are making poor or unsatisfactory progress and are therefore at risk of exclusion from their degree.

Students should make themselves familiar with the Academic Board policy: Identifying and Supporting Students at Risk (www.usyd.edu.au/secretariat/students/risk_index.shtml).

The At-Risk program has been divided into four stages which are measured on the length of time that a student's rate of progression has been below a satisfactory level. The faculty measures a student's progression by the following triggers:

- failure to complete successfully more than fifty percent of the total enrolled credit points for the semester just completed
- failure to complete a mandated unit of study, field or clinical work, or practicum as appropriate
- failure twice to pass the same unit of study
- inability to complete their degree within the maximum permitted time while carrying a normal load
- failure to achieve a satisfactory Weighted Average Mark (WAM) in the degree course over a defined period, as specified by the Ffculty.

Students who have registered for a third time against the above criteria will be asked to show good cause why they should not be excluded from their degree course.

The faculty will consider and rule on whether a student has shown good cause.

All students registering on an At-Risk report for the fourth time will be automatically excluded from their degree.

For students who have not demonstrated satisfactory progress who are enrolled though the Cadigal program at the Faculty of Health Sciences, progress will be reviewed by the course coordinator (or nominee) in which the student is enrolled and the course coordinator of the Indigenous Health Studies discipline. Cadigal program students are permitted to complete the first year of enrolment over two years. A student who has not completed the first year requirements within three years or who has failed or withdrawn with failure in three or more subjects in an academic year shall be deemed not to have made satisfactory progress.

Showing good cause

Students notified of pending exclusion may exercise the right to show good cause why they should be permitted to re-enrol. While it is not possible to define in advance all reasons relevant to showing good cause against exclusion, good cause means circumstances beyond the reasonable control of the student which may include serious ill health or misadventure (properly attested), but does not include demands of employers, pressures of employment or time devoted to non-University activities, unless these are relevant to serious ill health or misadventure.

In all cases the onus is on the student to provide the University with satisfactory evidence to establish good cause. The University may also take into account a student's general record in other courses or units of study, undertaken either within the University or at other institutions. Apart from demonstrating the reasons for not making satisfactory progress, students are required to indicate why they would be successful if permitted to re-enrol and what steps have been taken to resolve the preceding issues.

Re-enrolment after show cause

In cases where the faculty permits the re-enrolment of a student placed on show cause, the faculty may require the completion of specified units of study in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he or she should be allowed to re-enrol in the Faculty of Health Sciences.

Exclusion

Students will be automatically excluded if they do not submit a 'show cause' response. Students excluded from an award course may not enrol as miscellaneous students in units of study which may be counted towards any such course.

A decision to exclude a student from a course means an exclusion for two academic years. After two academic years, a student can reapply for admission to the course from which he or she was previously excluded. There is no guarantee of readmission.

Appeals against exclusion

A student notified of a decision by the faculty to exclude them from re-enrolling in a course and/or unit(s) may appeal to the Student Appeals Body by following the procedures found at: www.usyd.edu.au/secretariat/students/AcAppeals_index.shtml.

The effect of the faculty's exclusion decision will commence either
(a) when the period in which an appeal to the Senate has expired and the student has not lodged an appeal; or
(b) in the event that the student appeals to the Senate within the prescribed period, the date on which the Senate's Appeals Committee rejects the appeal. Until the effect of the exclusion decision applies, the student is permitted to continue in all units in which the student is eligible to be enrolled.

Re-admission after exclusion

An excluded student may apply for re-admission after two academic years. Students who are excluded from a course lose their status as registered students of the faculty. Any subsequent application for re-admission to a course must be lodged with Student Central, Faculty of Health Sciences by 1 October of the year preceding the year of proposed re-admission.

The application must include information indicating a readiness to return to tertiary study and will be considered in the light of all other applications received that year for that course.

Relevant University policies and procedures

Occupational health and safety policies

The University is concerned for the health and safety of students, staff and visitors, and makes every effort to prevent exposures to hazardous situations. The University has a range of occupational health and safety policies and guidelines which you can refer to for assistance. These, as well as useful links to other health and safety information sources, can be found on the University website:

www.usyd.edu.au/ohs/ohs_manual/index.shtml.

Information specific to the Faculty of Health Sciences can be found at: www.fhs.usyd.edu.au/contact/emergency.shtml.

Environmental policy

The University of Sydney's environmental policy promotes sustainable resource and product use and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University wide Sustainable Campus Program. Visit the website:
www.facilities.usyd.edu.au/projects/environ/about.shtml.

Other regulations

Conduct

Acceptance as a student in the faculty implies an undertaking on the part of the student to observe the resolutions and rules of the faculty and statutes of the University of Sydney. Students are expected to conduct themselves in an acceptable manner. Smoking, eating, drinking, and use of mobile phones are not permitted during lectures, tutorials, clinical sessions, examinations or in the Library.

Misconduct at the Faculty of Health Sciences will be dealt with under the rules of the faculty and the statutes of the University of Sydney.

Members of the staff at the Faculty of Health Sciences, both academic and non-teaching, have a responsibility to maintain orderly and acceptable conduct and to report any breach of regulations occurring on the campus.

Attendance at classes

It is expected that students will attend classes as required by the unit coordinator. A student who has not satisfied the attendance requirements for a unit laid down by the course coordinator in which the unit is offered may be refused permission to be considered for assessment or to sit for an assessment in that unit.

In the case of protracted illness or of absence arising from some other unavoidable cause, a student on presentation of appropriate documentation may be excused from attendance at classes by the course coordinator for a period not exceeding two months in any one year. In the case of absences in excess of two months, students must apply for leave of absence.

Insurance

Please refer to the chapter on clinical education for information on insurance.

Access to buildings after hours

Approval for after hours access to buildings must be obtained from the relevant course coordinator.

5. Prizes and scholarships

Undergraduate and postgraduate prizes and awards

The University acknowledges, with gratitude, gifts from various sources which have made possible the prizes outlined in the table below.

Award or prize	Value	Criteria
University of Sydney		
University of Sydney Academic Merit Prize	$2000	Awarded annually on recommendation by the Dean, this prize recognises the highest performing undergraduate students in each faculty on the basis of average marks.
Faculty of Health Sciences		
Australasian Society for the Study of Intellectual Disability (NSW) Prize	One year ASSID membership	Awarded annually to the student who exhibits the highest academic performance in the Master of Health Science (Developmental Disability) course.
Behavioural and Social Sciences in Health		
Dennis McIntyre Memorial Prize	$150	Awarded at each of the two annual graduation ceremonies to the student with the highest AAM (at least a distinction average) in the Master of Health Science (Behavioural Science) course.
Outstanding Achievement Award in Child and Adolescent Health	$150	Awarded at each of the two annual graduation ceremonies to the student with the highest AAM (at least a distinction average) in the Master of Health Science (Child and Adolescent Health) course.
Outstanding Achievement Award in Health Science Education	$150	Awarded at each of the two annual graduation ceremonies to the student with the highest AAM (at least a distinction average) in the Master of Health Science (Education) course.
Exercise and Sport Science		
Beiersdorf Australia Prize	$250	Awarded to the third year student with the highest aggregate marks in the units Biochemistry of Exercise, Exercise Physiology - Acute Responses, Exercise Physiology - Training Adaptations in the Bachelor of Applied Science (Exercise and Sport Science) course.
Exercise and Sport Science Student Memorial Prize	$250	Awarded to a final year student as determined by their peers who has shown outstanding personal achievement in the Bachelor of Applied Science (Exercise and Sport Science) course.
NSW Institute of Sport Honours Research Thesis Prize	$500	Awarded annually to the student who attains the highest mark for their honours' thesis in the Bachelor of Applied Science (Exercise and Sport Science) Honours course.
NSW Institute of Sport Prize	$250	Awarded to the third year student with the highest aggregate marks in the units Biomechanical Analysis of Movement, Motor Control, Motor Control and Learning and Biomechanics of Sports Techniques/Ergonomics in the Bachelor of Applied Science (Exercise and Sport Science) course.
Sports Medicine Australia (NSW) Prize	$100 plus one year Sports Medicine Australia membership	Awarded to the third year student with the highest aggregate marks in the Bachelor of Applied Science (Exercise and Sport Science) course. Those continuing to honours are eligible.
Health Informatics		
Hilda Roberts Memorial Prize	$100	Awarded annually to the most proficient student on completion of the final year in the Bachelor of Applied Science (Health Information Management) course.
National Centre for Classification in Health Prize for Clinical Coding	$100	Awarded to the student with the highest aggregate mark in the unit Essentials of Classification B in the Bachelor of Applied Science (Health Information Management) course.
NSW Health Department Clinical Classification Prize	$200	Awarded to the student with the highest aggregate marks in the units Clinical Classification IIIA and IIIB in the Bachelor of Applied Science (Health Information Management) course.
NSW Health Department Clinical Classification Master of Health Information Management Prize	$200	Awarded to the student with the highest aggregate mark in the units International Disease Classification A and B in the Master of Health Information Management course.
Indigenous Health Studies		
Yooroang Garang Prize	$150	Awarded to the graduating student with the highest aggregate marks over all units in the Bachelor of Health Science (Aboriginal Health and Community Development) pass course and passing all units of study at the first attempt.

Award or prize	Value	Criteria
Medical Radiation Sciences		
Academic Achievement, Year 1, Stream Prize	$100 book voucher	Awarded to the first year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, and Radiation Therapy) in the Bachelor of Applied Science (Medical Radiation Sciences) course attempting Year 1 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all Year 1 units of study.
Academic Achievement, Year 2, Stream Prize	$100 book voucher	Awarded to the second year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, and Radiation Therapy) in the Bachelor of Applied of Science (Medical Radiation Sciences) course attempting Year 2 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all Year 2 units of study.
Academic Achievement, Year 3, Stream Prize	$100	Awarded to the third year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, and Radiation Therapy) in the Bachelor of Applied Science (Medical Radiation Sciences) course attempting Year 3 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all Year 3 units of study.
Carestream Health Prize	$200 value	Awarded to the student with the highest mark in the assessment of their honours thesis in the Bachelor of Applied Science (Medical Radiation Sciences) course.
Dianne Court Memorial Award for Academic Excellence	$300	Awarded to the student with the highest academic excellence in the Graduate Diploma of Health Science (Medical Sonography) course.
Dianne Court Memorial Award for Clinical Excellence	$300	Awarded to the student with the greatest clinical excellence in the Graduate Diploma of Health Science (Medical Sonography) course.
Jillian Salter Memorial Award	$500	Awarded to a female non-metropolitan student with the highest aggregate marks across all second year units of study in all three undergraduate streams of Diagnostic Radiography, Nuclear Medicine and Radiation Therapy in the Bachelor of Applied Science (Medical Radiation Sciences) course.
Kate Dodd Memorial Prize for Clinical Excellence	$100 book voucher	Awarded to a graduating student achieving the highest mark in clinical education over all years of the Bachelor of Applied Science (Medical Radiation Sciences) - Diagnostic Radiography, Nuclear Medicine and Radiation Therapy courses.
Occupational Therapy		
Anne Parkinson Memorial Award	$500	Awarded to a continuing mature age female student who has successfully completed second or third year in the Bachelor of Applied Science (Occupational Therapy) course in acknowledgement of the efforts required to overcome specific adversity and achieve success in the course.
NSW Association of Occupational Therapists' Prize	$100	Awarded to the student with the highest aggregate marks in the units Occupational Therapy Theory and Process I, II and III in the Bachelor of Applied Science (Occupational Therapy) course.
Novartis Pharmaceuticals Prize	$100	Awarded to the student with the highest aggregate mark in the units Occupational Role Development I and II in the Bachelor of Applied Science (Occupational Therapy) course.
Outstanding Achievement Award in Occupational Therapy	$250	Awarded to a graduating student, as determined by peers, who has accomplished success in the Bachelor of Applied Science (Occupational Therapy) course through a variety of circumstances.
Surgical Synergies Prize for Human Occupations	Products to value of $200	Awarded to the student with the highest aggregate marks in Human Occupations IA, IB, IIA, IIB and III in the Bachelor of Applied Science (Occupational Therapy) course.
Orthoptics		
John Pockley/Patricia Lance Prize	$250	Awarded to the student with the highest general proficiency demonstrated in the Bachelor of Applied Science (Orthoptics) course.
Orthoptic Association of Australia, NSW Branch Prize	$150	Awarded to an honours student with the highest marks for a report in the Bachelor of Applied Science (Orthoptics) honours course.
Patricia Lance Clinical Excellence Prize	$100	Awarded annually to the student enrolled in Clinical Studies IV or Professional Practice IV who demonstrates the greatest proficiency in professional clinical practice.
Physiotherapy		
Australian Physiotherapy Association Clinical Practice Prize	$250	Awarded to the student exhibiting the highest standard of clinical practice in the Bachelor of Applied Science (Physiotherapy) course.
Australian Physiotherapy Association General Prize	$250	Awarded to the most proficient graduate in the Bachelor of Applied Science (Physiotherapy) course.
Cardiothoracic Prize	$100	Awarded to the student exhibiting the highest proficiency in cardiopulmonary physiotherapy in the Bachelor of Applied Science (Physiotherapy) course.

Award or prize	Value	Criteria
Discipline of Physiotherapy Student Nominated Prize	$100	Awarded to a final year student as determined by their peers who has shown outstanding personal achievement in the Bachelor of Applied Science (Physiotherapy) course.
HNA Physio Prize	$500	Awarded to the most proficient graduate in the Master of Physiotherapy course.
Mary Vallas (Vasseleu) Prize	$200	Awarded to the most proficient graduate in the Master of Physiotherapy course in the area of cardiopulmonary physiotherapy on the basis of academic and clinical excellence.
Neurological Rehabilitation Prize	$100 plus one year membership	Awarded to the student exhibiting the highest proficiency in neurology in the third and fourth year. This award is based on academic results as well as the mark for the neurological clinical placement.
New South Wales Institute of Sport Prize	$500	Awarded annually to the graduate with the highest aggregate mark in the Master of Health Science (Sports Physiotherapy) course.
Paediatric Physiotherapy Prize	$150	Awarded to the most proficient graduate in the Bachelor of Applied Science (Physiotherapy) course in the area of paediatric physiotherapy on the basis of academic and clinical excellence.
Physiotherapy Research Foundation Prize	$150	Awarded to the student with the highest grade for an honours research thesis in the Bachelor of Applied Science (Physiotherapy) honours course.
Rosemary E. Wilson Memorial Prize for Caring and Giving	$100	Awarded to the student who is judged as having best shown awareness of patients total needs and real empathy with patients physical, psychological and emotional needs in the Bachelor of Applied Science (Physiotherapy) course.
Surgical Synergies Prize for Excellence in Musculoskeletal Physiotherapy	Products to the value of $150	Awarded to a graduating physiotherapy student who has demonstrated excellence in musculoskeletal physiotherapy and clinical education musculoskeletal placements in the Bachelor of Applied Science (Physiotherapy) course.
Rehabilitation Counselling		
Australian Society of Rehabilitation Councellors, Case Management Postgraduate Award	$100 plus $275 ASORC membership	Awarded annually to the student with the highest mark in REHB5051 Rehabilitation and Case Management.
Australian Society of Rehabilitation Counsellors, Undergraduate Prize	$100 plus $275 ASORC membership	Awarded to the most proficient graduate in the Bachelor of Health Science (Rehabilitation Counselling) course.
Australian Society of Rehabilitation Counsellors, Postgraduate Prize	$100 plus $275 ASORC membership	Awarded annually to a graduating student with the highest general proficiency demonstrated in a postgraduate coursework program in Rehabilitation Counselling.
The Independent Community Living Association (ICLA) Mental Health Rehabilitation Award	$400	Awarded annually to a third or fourth year student enrolled in the Bachelor of Health Science (Rehabilitation Counselling) course who demonstrated exemplary work in their studies of the unit Psychiatric Rehabilitation and has maintained a high standard of scholarship throughout their studies.
Rehabilitation Counselling Association of Australasia (NSW) Dissertation Prize	$100 plus $200 voucher for one year RCAA membership	Awarded annually to the student with the highest mark for a dissertation in the Masters of Rehabilitation Counselling.
Rehabilitation Counselling Association of Australasia (NSW) Postgraduate Prize for Outstanding Achievement in Vocational Rehabilitation	$100 plus $200 voucher for one year RCAA membership	Awarded annually to the student with the highest aggregate mark for all units of vocational rehabilitation in the graduate Rehabilitation Counselling coursework programs.
Rehabilitation Counselling Association of Australasia (NSW) Research Prize	$100 plus $200 voucher for one year RCAA membership	Awarded annually to the student with the highest mark for an honours research thesis in the Bachelor of Health Science (Rehabilitation Counselling) honours course.
Rehabilitation Counselling Association of Australasia (NSW) Undergraduate Prize for Outstanding Achievement in Vocational Rehabilitation	$100 plus $200 voucher for one year RCAA membership	Awarded annually to the student with the highest aggregate mark for all units of vocational rehabilitation in the Bachelor of Health Science (Rehabilitation Counselling) pass and honours courses.
Speech Pathology		
Bruce Baker, Semantic Compactions Prize	$200	Awarded annually to the student enrolled in the final year of the Bachelor of Applied Science (Speech Pathology) course for highest achievement in disability units of study and disability clinical placements.
Discipline of Speech Pathology Prize for Clinical Excellence (Master of Speech Language Pathology)	$200	Awarded annually to a final year student who demonstrates highest performance in clinical units over the 2 years of the degree.
Discipline of Speech Pathology Hearing and Speech Award	$100	Awarded annually to the student enrolled in the final year of a Bachelor of Health Science (Hearing and Speech) for the most outstanding academic performance in Years 2 and 3 of the degree.
Harcourt Assessment Prize	$400 gift certificate for products from Harcourt Assessment	Awarded annually to the student enrolled in the final year of the Bachelor of Applied Science (Speech Pathology) course who demonstrates the greatest proficiency in clinical education over the final two years of their degree.

Award or prize	Value	Criteria
Speech Pathology Association of Australia Prize (Undergraduate)	One year SPAA membership	Awarded annually to a final year student who demonstrates outstanding academic achievements, including research, throughout the Bachelor of Applied Science (Speech Pathology) course.
Speech Pathology Association of Australia Prize (Master of Speech Language Pathology)	One year SPAA membership	Awarded annually to a final year student who demonstrates outstanding performance in academic units of study over the 2 years of the degree.
Vicki Reed Honours Research Thesis Prize	$200	Awarded annually to the student who attains the highest mark for an honours thesis in the final year of the Bachelor of Applied Science (Speech Pathology) honours course or the Bachelor of Health Science (Hearing and Speech) honours course.

Scholarships and bursary

Scholarships	Value (annual)	Duration	Criteria
University of Sydney Scholarship (Merit)	$6000 each	Maximum 5 years depending on degree	Minimum UAI 95 in NSW HSC or equivalent plus personal attributes and achievements.
University of Sydney Scholarship (Entry)	$6000 each	1 year only	Minimum UAI 95 in NSW HSC or equivalent plus personal attributes and achievements.
University of Sydney Honours Scholarship	$5000 each	1 year only	Awarded on the basis on merit. The scholarships are offered to students undertaking an honours program that involves an additional year to a normal three year bachelor's degree.
Bachelor of Health Sciences Entry Scholarship (5)	$2000 each	1 year only	Awarded to full-time local students with the highest UAI enrolled in the Bachelor of Health Sciences or a Bachelor of Health Sciences combined degree in the Faculty of Health Sciences. Minimum UAI 90 in NSW HSC or equivalent.
Bachelor of Health Sciences International Entry Scholarship (5)	$5000 each (as partial fee reimbursement)	1 year only	Awarded to international students with the highest USFP enrolled in the Bachelor of Health Sciences or a Bachelor of Health Sciences combined degree in the Faculty of Health Sciences. Minimum USFP grade of 7.6 (minimum UAI 90 in NSW HSC or equivalent).
Douglas and Lola Douglas Scholarship (3)	$12,000 each	1 year only	Awarded on the basis of academic merit to students engaged in specified graduate research activities in the Faculty of Health Sciences.
Spastic Centre's Professor Henry J Cowan Memorial Scholarship (3)	$1500 each	1 year only	Open to high achieving students with special interest in cerebral palsy in Bachelor of Applied Science (Occupational Therapy/ Physiotherapy/Speech Pathology) courses who will be entering year 4 in the year of award.
Helga Pettitt FHS Postgraduate Study Award	$1500	1 year only	Awarded annually to provide assistance to a new or continuing student enrolled in any course of postgraduate study at the Faculty of Health Sciences. Conditions apply.
Dr George Burniston-Cumberland Foundation Fellowship	$5000	1 year only	Awarded annually for postgraduate study in the health science programs offered at the Cumberland campus of the University of Sydney. The scheme is administered by the Cumberland Foundation.

Note: Information on scholarships and prizes was accurate at time of publication. For current information on scholarships, visit the website: www.usyd.edu.au/fstudent/scholarships.shtml.

For further information, visit the website:
www.fhs.usyd.edu.au.

Postgraduate awards

A limited number of competitive scholarships are made available to assist students undertaking full-time PhD or Masters by research courses at Australian universities. Successful applicants must have a first class honours degree or equivalent. Selection is based primarily on academic merit and relevant experience, and is highly competitive.

Australian Postgraduate Awards (APAs)

Awards are available to Australian citizens/Australian permanent residents and New Zealand citizens.

The closing date for applications is 31 October of each year. Information and application forms are available from the University website: www.usyd.edu.au/ro/.

For additional information contact:

Research Training
The Research Office
Quadrangle A14
University of Sydney NSW 2006
Phone: +61 2 9351 3250
Fax: +61 2 9351 4812

Scholarships for international students

Visit the website www.usyd.edu.au/internationaloffice/student/.

Clinical supervisory positions for postgraduate students

Qualified speech pathologists are regularly employed by the discipline of Speech Pathology on a full or part-time basis to provide student supervision in the clinical practice program.

Postgraduate research students who are qualified speech pathologists may be offered employment in some of these supervisory positions. Preference will be given to full-time students but part-time students are not precluded from these opportunities. For further information, contact the Director of Clinical Education in the discipline of Speech Pathology on +61 2 9351 9450.

6. Clinical education

The term clinical education refers to the supervised practice of professional skills and it is especially appropriate to courses which are largely clinically based. Professions which offer services in a more social or a non-clinical context have adopted terms such as professional experience and fieldwork to describe supervised practice.

Clinical education is an integral part of the overall learning experience for students in some undergraduate and graduate courses offered in the Faculty of Health Sciences. In undergraduate courses, students can expect to spend between 25 and 40 per cent of their total course hours in clinical education. The purpose of clinical education is to provide students with opportunities to integrate knowledge and skills at progressively higher levels of performance and responsibility during the course.

Under the supervision of qualified practitioners, students seek to apply theories and scientific findings, learned in their academic study, and develop their skills through interaction with clients and practitioners. Clinical education also provides students with situations in which to practise interpersonal skills and develop characteristics essential to productive working relationships. It also provides an opportunity for students to develop clinical reasoning skills and management skills, as well as to master techniques that develop competence at the level of a beginning practitioner.

Clinical education is provided in a variety of settings reflecting the current trends for the profession concerned. The facilities include hospitals, government agencies, schools, community health centres, private health agencies, private practice, and on-campus clinics. The settings may be located in metropolitan and rural areas of New South Wales and, occasionally, interstate. Clinical education provides opportunities for interprofessional learning and may also provide opportunities for international experience.

The timing and structure of clinical education will vary according to preferences of each academic unit. Patterns include day-release programs during the semester, clinical simulation in the classroom, and periodic block placements.

Students should be aware of the patterns of clinical education for their course as the timing and structure of clinical education affect the exact length of courses and vacation time.

Arrangement of clinical education

Clinical education is arranged by negotiation between staff of the respective academic unit, acting as clinical educators, and the staff of the individual clinical settings. The academic unit negotiates the standard, type of experience, and number of student places to be offered. In most cases, formal agreements are signed between the University and the placement facility. In some instances, the arrangements are informal, reflecting the mutual dependency of health and education in providing academically and clinically competent health professionals to meet the challenges confronting them in delivering quality health services in a complex society.

Assessment of students

Students are expected to take an active responsibility for their own education by identifying their own learning needs, assisting the supervisor in planning and implementing the learning experiences, being familiar with and adhering to procedures and rules laid down by the University and the affiliating centre, and in evaluating their own performance. The clinical supervisor performs the role of teacher, facilitator, coordinator and professional role model. Supervision may be conducted by staff of the respective academic unit, or by external practitioners expert in their professional area.

The nature of the assessment varies across academic units but usually includes a student evaluation by both the supervisor and the student, the satisfactory completion of a specified number of hours, as well as a variety of assignments including case studies, essays, verbal presentations, and practical examinations. The clinical education unit may be assessed on a graded scale or on a Pass/Fail basis.

Rules applying to clinical education

In all clinical situations, the welfare of the client is paramount. The client's dignity and rights to privacy and confidentiality must be respected at all times. Students who do not comply with the rules governing ethical practice may be removed from the clinical placement.

During clinical affiliations, the student is expected to conform with the normal professional conduct required by the host institution. In some institutions, the wearing of uniforms and identification badges is demanded, while in other facilities a less formal attire is acceptable.

Students should consult the section of the handbook relating to clinical education units of study for their particular course for information relating to uniforms and name badges.

There are a number of rules and conditions applying to students regarding the amount of clinical education, the timing of it, the selection of sites, and types of experiences required. These rules have implications for progression in the course and acceptance into the relevant profession after graduation.

Students should consult the relevant handbooks of their courses for such rules and details of the Clinical Education/ Fieldwork/ Professional Experience Program.

Students should note that the faculty has resolved as follows:

'Candidates for any (degree, diploma or certificate) whose conduct or work towards their award is unsatisfactory may, on the recommendation of the head of academic unit concerned, be refused permission by the faculty to undertake or continue the Clinical Educational Fieldwork/Professional Experience component of their award.'

Policy on timing of clinical placements for non-standard students

Definitions

Non-standard students being defined as follows:

(a) Students undertaking deferred assessments – students who did not attend the entire unit of study (UoS) because of extenuating circumstances and final assessment has been deferred because of misadventure or illness

(b) Students whose assessment is Incomplete – used for units commenced but not completed – e.g. days may need to be made up

(c) Students who are repeating the unit because they have previously failed – students have completed the unit of study but have not met the requirements to a pass level and have achieved a fail.

Policy (as passed at faculty November 2002)

All students normally undertake clinical education placements according to the schedule published in the academic/clinical calendar

of the faculty handbook. All clinical placements are organised and approved by the clinical education team of the relevant academic unit.

1. Placements for incomplete and deferred assessments will be organised to be completed at the earliest opportunity and subject to availability.
2. Failure in any unit of study (academic or clinical) may affect the student's progression through the program and potentially delay graduation.
3. Enrolment or re-enrolment in clinical education units of study for non-standard students is dependent on meeting all co- and prerequisites as well as avoiding a timetable clash with academic units of study and the scheduled clinical placement.
4. Students who have failed a clinical unit may be permitted to re-enrol in the unit at non-standard times, subject to availability of placements and at the discretion of the Clinical Academic and after all students with Deferred Assessments and Incompletes have been placed.

(Also refer to Rules Applying to Clinical Education above.)

Clinical practice dates

Please refer to clinical practice dates listed under each course.

Insurance coverage for students on fieldwork

The University has in place a public liability and professional indemnity policy which extends to protect students from claims made against them which arise out of any negligent act, error or omission on the part of the student during such fieldwork.

Other relevant policies

The University has a personal accident policy covering postgraduate students against accidental bodily injury, providing death and capital benefits, as well as a weekly benefit whilst disabled. Sydney University Sports Union maintains a similar policy for undergraduates.

If you require further information, please contact the Risk Management Office on +61 2 9351 4127.

Information on infectious diseases for students and clinical teachers

Infectious diseases are of concern to all those working in clinical settings. Whilst an understanding of the transmission of diseases such as HIV/AIDS, hepatitis and tuberculosis is particularly important, all students and clinical teachers must acquaint themselves with information about the potential dangers of all communicable diseases likely to be experienced in Australia. They should be aware of sources of infectious micro-organisms, their modes of transmission and the ways of reducing the risk of infection to self, patients and others.

From 2003, the NSW Department of Health requires all students undertaking clinical placements that involve direct client contact, to provide written evidence of your immunity status and/or be vaccinated against diptheria, tetanus, pertussis, measles, mumps, rubella, chicken pox, hepatitis B, influenza and tuberculosis before commencing a placement with NSW health facilities. A NSW Department of Health Adult Vaccination Record card will be provided to all enrolled students in the Faculty of Health Sciences for this purpose.

Students who will be in direct contact with patients/clients of health care services are advised to seek medical advice and to arrange vaccinations, according to the NSW Health Department, Policy Directive PD2007_006.

Vaccinations and advice are available through the University Health Service at the Camperdown Campus, phone +61 2 9351 3484 or +61 2 9351 4095.

Information on this subject is available during orientation week and at the NSW Department of Health website:
www.health.nsw.gov.au/policies/pd/2007/pd2007_006.html.

Further information about infectious diseases is available, in confidence, from the faculty adviser, Sub Dean (Clinical and Professional Fieldwork).

Counselling support for students on clinical placements

Students who feel that they have any personal or family issues which may impact negatively on their performance on clinical placements should contact either their clinical educator for referral to the counsellor or may approach the counsellor at Cumberland campus directly.

The counselling service at Cumberland is both free and confidential and students are encouraged to ask for help as early as possible before their placements begin. The Counsellor can also provide support for students already on placements who find they are having problems with after hours appointments or by phone. Typical problems for students on clinic include balancing work and family, stress, interpersonal relationships, supervisor – student relations, anxiety about the workplace etc.

The Counsellor is located in A Block. Students wishing to make an appointment with the Counsellor can phone +61 2 9351 9473, or Student Services reception +61 2 9351 9638 or book an appointment directly by writing in a time slot on the grid in the counselling waiting room. Appointments outside normal hours can be made available if booked in advance for students on clinical placements or who are studying part-time.

Criminal records check

All health care workers, including students who undertake clinical professional training of fieldwork in the NSW health care systems, are required to be subject to a criminal records check as a condition of gaining access to NSW Health Department facilities. Depending on the nature of the offence for which a conviction has been recorded, the NSW Department of Health has the right not to accept a health care student or worker for placement in the NSW health care system.

All new students in the Faculty of Health Sciences will receive, as part of their enrolment package, a form from the NSW Department of Health consenting to a criminal records check. Students must complete and return the form to Student Central as soon as possible after receipt. Submission of the form will also entail a 100 point identification check. Student Central will forward forms on to the NSW Department of Health for processing. Failure to return your form could mean non-acceptance by the NSW Department of Health for a placement to undertake clinical experience.

If you do not receive a Clearance for Clinical Placements Card from the NSW Department of Health within six weeks of submitting the form, you are strongly advised to follow up with Student Central to check if your form has been processed. Non-acceptance of a student by the NSW Department of Health for clinical placement may affect that student's academic progress. Accordingly, you are urged to contact the faculty adviser, Sub Dean (Clinical and Professional Fieldwork) if you have any concerns or enquiries about this policy.

Information about the NSW Department of Health's policy can be found at the NSW Department of Health website:
www.health.nsw.gov.au/audit/students/index.html.

The University is not involved in this checking process and it will not be given any information about students on whom an adverse criminal record report is made. This information will be retained by the NSW Department of Health, which is legally entitled to hold such records, and the NSW Department of Health will correspond directly with adversely affected students.

The University, in consultation with the Students Representative Council (SRC), has established protocols to enable students affected by the policy to receive appropriate advice and support and, if necessary, to enable them to transfer their enrolment to another course. These protocols were implemented in 1998.

Federal Police check

Students who undertake their clinical professional training of fieldwork at aged care services subsidised by the Australian Government, are required to undergo a national criminal history record check, which

must be renewed every three years. Information about the policy can be found at:
www.health.gov.au/internet/main/publishing.nsf/Content/ageing-quality-police.htm.

All new students in the Faculty of Health Sciences will receive, as part of their enrolment package, a form from the Australian Federal Police, Consent to Obtain Personal Information. The form can be found at:
www.afp.gov.au/__data/assets/pdf_file/56271/PE_CR200_AC_individual.pdf.
Fees are applicable and further information can be found at:
www.afp.gov.au/business/national_police_checks.

NSW Child Protection (Prohibited Employment) Act

University of Sydney students undertaking 'child-related' placements as part of their course are also subject to the requirements of the NSW Child Protection (Prohibited Employment) Act.

Broadly, the purpose of the Act is to regulate the employment of 'prohibited persons' in 'child-related employment'. Under the Act a 'prohibited person' is a person who has committed a serious sex offence. 'Child-related employment' means employment, paid or unpaid, which involves direct contact with children, where that contact is not directly supervised.

The Act specifically includes persons undertaking practical training as part of an educational or vocational course within its definition of employment.

Prior to undertaking any clinical placement, students must return a signed copy of the Prohibited Employment Declaration to Student Central. Failure to do so may jeopardise any such placement and the fulfilment of course requirements.

New students will be provided with copies of the Declaration at enrolment. Copies may also be obtained by new and re-enrolling students from Student Central.

Further details can be obtained from NSW Commission for Children and Young People – Working with Children Check at www.kids.nsw.gov.au/director/check.cfm/.

NSW Health Privacy Management Plan

Students undertaking clinical placements must be familiar with the content of this Plan and comply with the NSW Health Records and Information Privacy Act (2002). For further information, see the Department of Health Policy Directive PD2005_554 at:
www.health.nsw.gov.au/policies/pd/2005/PD2005_554.html.

Students will be required to complete a Health Records and Information Privacy Declaration prior to placement and Student Central will provide students with the document at enrolment.

FHS OHS Disclosure Policy for Students

Prior to clinical and professional fieldwork placements all students will be required to read the FHS Occupational Health and Safety Disclosure Policy for Students and complete the relevant discipline-specific Enrolment Disclosure Form. Student Central will provide students with the document at enrolment.

CPR Certificate

Students must provide proof they hold a current CPR (Cardiopulmonary Resuscitation) Certificate prior to attending their clinical and professional fieldwork placement. It is the student's responsibility to ensure that their certificate remains current whilst they are a student at the Faculty of Health Sciences.

The Faculty of Health Sciences wishes to acknowledge the following hospitals, clinical centres, agencies, institutions and organisations for their invaluable support in and contributions to the practicum programs offered in respective disciplines.

Exercise and Sport Science

Public hospitals

Bankstown Hospital
Braeside Hospital
Campbelltown Hospital
Centre for STRONG Medicine, Balmain Hospital
Children's Hospital Institute of Sports Medicine (CHISM)
Concord Hospital
Fairfield Hospital
Gosford Hospital
John Hunter Hospital
Lady Davidson Hospital
Mater Hospital Townsville
Mt Druitt Hospital
Mt Wilga Rehabilitation Hospital
Nepean Hospital
Royal North Shore Cardiovascular Education Centre
Royal Prince Alfred Hospital
Ryde Hospital
St George Hospital
St Vincent's Hospital
Sutherland Hospital
Tamworth Base Hospital
The Sydney Adventist Hospital
Westmead Hospital

Other organisations

4 in1 Fitness
Abbotsleigh Gymnastics Club
AC Milan Jnr Soccer Camp/FDA
Active Health Club
Active Working Solutions
ADI Occupational Health Centre
Advanced Medical Institute
Adventist Aviation
Alexanders Netball Club
Allianz Insurance
Arena Sports Centre, The University of Sydney
Arndell Anglican College
Asquith Rugby League
Australian Institute of Sport (AIS) - Biomechanical Analysis Team
Australian Rugby League (Development Officer)
Australian Rugby Union
Australian Sports Anti-Doping Authority (ASADA)
Australian Sports Commission
Balmain Rugby League
Bankstown Grammar
Barker College
Basketball NSW
Baulkham Hills Volleyball (State Clinic)
Blacktown Aquatic Centre
Body Shape Female Fitness Centre
Bondi Cardiac & Medical Centre
Boxout Australia
BP Australia
Briars Hockey Club
Bulls Rugby League
Camden Haven RLFC
Canberra Area Medicine Unit – Royal Military College, Australia
Canterbury Aquatic & Fitness Centre
Canterbury Bulldogs, SG Ball
Canterbury Bulldogs Rugby League Club
Cardiology Australia
Castle Hill United Soccer Club

Castlereagh Aquatic & Fitness Centre
Central Coast Grammar School
Central Coast Squash
Central Coast Waves Rugby Club
Centre for Healthy Ageing
Changes Exercise Studio
Chipping Norton Baseball Club
Coach Approach
Corpfit
Cricket NSW
Curves (Exercise & Weight Loss Centre)
Definition Health Clubs
Dust Diseases Board
Earlwood Wanderers Cricket Club
East Coast Eagles AFL team
Eastern Suburbs Soccer Football Association
Eastwood St Andrews Soccer Club
Elanora Tennis School
Energise Fitness
Epping Tennis School
Epping YMCA Gymnastics
Epping YMCA Netball Club
Fairfield City Netball
Fernwood Women's Health Centre
Fit 4 All
Fit Living
FitAbility, The University of Sydney
Fitness Edge
Fitness First
Fitness Health in One
Fitness World, Penrith
Five Dock Leisure Centre
Foley's Full Force Gym
Garvan Institute of Medical Research
Gordon Rugby Club
Greenwich Football Club
Harbord Diggers Memorial Club, Chronic Disease Rehabilitation Centre
Have-a-go Cricket
Health & Fitness Solutions
Health by Design
Health Mates Fitness Centre
Hills Rugby
Hillstreet Occupational Rehabilitation Services
HK Ward Gym, The University of Sydney
Holsworthy Barracks, IHSB Hospital
Human Endurance Racing Team (HERT)
Hunter Academy of Sport
Hunter Rowing Club
ISPORT
Indoor Netball NSW
Inshape Gym
Inside Fitness
Isis Health Club
Kickstart Educational Services Ltd
Kids Sports NSW
Kincumber Gym
Kings Old Boys RUFC
Knox Grammar School
Konekt
Lane Cove Aquatic Centre
Leichhardt Rowing Club
Let's Get Fit
Lidcombe Waratahs Soccer Association
Love 'n' Deuce Humpty Squads
Manly Warringah Sea Eagles Rugby
Millennium Health Club
MLC School Aquatic Centre
Nepean Rowing Club
Netball NSW
Newington College
Next Generation Gym
North Rocks Softball
North Shore Gym
Northbridge Rugby
Northern Territory Institute of Sport
Northern Territory Soccer Federation
NSW Baseball League
NSW Fire Brigade, Health & Fitness Medical Division
NSW Police Service, Healthy Lifestyle Branch
NSW Institute of Sport (NSWIS)
NSW Rugby
NSW Sport & Recreation
NSW Touch Association
Oxygen Personal Fitness
Panthers Rugby Team
Parramatta Rugby Union
Peak Conditioning
Peak Health
Pendle Hill Soccer Club
Pennant Hills AFL Club
Penrith Cricket Club
Penrith Panthers NRL Club
Perisher Blue Ski School
Persona Health
PLC Weights Centre and Fitness Facility
Prairiewood Leisure Centre
Putney Soccer Club
Randwick Netball Association
Rehab Options Australia
Ripples Leisure Centre
Royal Rehabilitation Centre, Ryde
Ryde Aquatic Leisure Centre
Sheraton on the Park Health Club
South Sydney OzTag Association
Space Health Clubs
Springwood Aquatic & Fitness Centre
Sporting Spectrum
St Aloysius' College
St Andrew's Cathedral School
St Catherine's School
St Clare's College, Waverley
St George Netball Association
St Ignatius' College, Riverview
St John Ambulance, Australia
St Patrick's College, Strathfield
St Vincent's College
Strathfield Public School
SU SPORT
SU SPORT - School Coaching Program
SU SPORT Rugby
Surf Life Saving Australia
Sutherland Leisure Centre
Sydney Girls High School
Sydney Grammar School
Sydney Heart Centre
Sydney Olympic Park Aquatic Centre (SOPAC)
Sydney Private Tennis Academy
Sydney Swans
Sydney University AFL
Sydney University Hockey
Sydney University Sports & Aquatic Centre (SUSAC)
Sydney University Sports Camps (Camps Australia)
Synergy Gym
Tara Anglican School for Girls
Tazoo Fitness
Tennis NSW - State squads
Terrigal Surf Life Saving Club
The Bone & Joint Clinic
The Cancer Council NSW
The Entrance Tigers Rugby Team
The Fitness Edge
The Fitness Group, St George Bank

The Shire Heart Clinic
Tip to Toe Health
Train 4 Gain
TrainStation Gym
Trinity Grammar School
Vince & Roz's Fitness World
Volleyball NSW
Wanda Surf Club
Warringah Aquatic Centre
Waverley College
Waverley College Gym
West Harbour Rugby Football Club
Westbrook Junior AFL Club
Western District Rugby Union Club, ACT
Wests Tigers Rugby League
Willoughby United Netball Club
Wollongong Lions Football Club
Work Solutions Australia
WorkCare Medical

Health Informatics

Public hospitals

Metropolitan

Balmain Hospital
Bankstown Hospital
Blacktown Hospital
Blacktown/Mt Druitt Health, Mt Druitt Campus
Canterbury Hospital
Children's Hospital at Westmead
Concord Repatriation General Hospital
Cumberland Hospital, Parramatta
Fairfield Hospital
Liverpool Health Service
Macarthur Health Service
Macquarie Hospital
Manly and Mona Vale Hospitals & Community Health Services
Nepean Hospital, Penrith
Prince of Wales Hospital, Randwick
Concord Hospital
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital, Camperdown
Royal Ryde Rehabilitation Centre
Ryde Hospital
St George Hospital, Kogarah
St John of God Hospital, Burwood
St Joseph's Hospital, Auburn
St Luke's Hospital Complex
St Vincent's Hospital, Darlinghurst
Sutherland Hospital, Caringbah
Sydney Hospital & Sydney Eye Hospital
The Rozelle Hospital
Westmead Hospital

Country and interstate

Bathurst District Hospital
Blue Mountains District Anzac Memorial Hospital
Bowral District Hospital
Cairns Base Hospital
Coffs Harbour & District Hospital
Cooma District Hospital
Dubbo Base Hospital
Forbes District Hospital
Gosford Hospital
John Hunter Hospital
John James Memorial Hospital
Lismore Base Hospital
New England Health Service, Tamworth
Orange Base Hospital
Pambula Hospital
Peninsula Private Hospital
Port Macquarie Base Hospital
Princess Alexandra Hospital, Brisbane
Royal Darwin Hospital
Royal Newcastle Hospital
Royal Women's Hospital, Brisbane
Tamworth Hospital
The Canberra Hospital
Wagga Wagga Base Hospital
Wollongong Hospital
Wyong Hospital

Overseas

Hong Kong Hospital Authority, Hong Kong
North District Hospital
Pamela Youde Nethersole Eastern Hospital
Prince of Wales Hospital, Hong Kong
Princess Margaret Hospital, Hong Kong
Queen Elizabeth Hospital, Hong Kong
Queen Mary Hospital, Hong Kong
Singapore General Hospital
Siriraj Hospital, Thailand
Guandong Provincial People's Hospital, China

Private hospitals and nursing homes

Holroyd Private Hospital
Hurstville Community Cooperative, Hurstville
Illawarra Private Hospital
Kareena Private Hospital
Newcastle Mater Hospital, Waratah
Nepean Private Hospital
North Shore Private Hospital
President Private Hospital, Kirrawee
St George Private Hospital
St Vincent's Private Hospital, Darlinghurst
Strathfield Private Hospital
Sydney Adventist Hospital, Wahroonga
The Hills Private Hospital
Westmead Private Hospital

Government departments and agencies

Central Coast Area Health Service, Gosford
Central Sydney Health Service, Camperdown
Central West Regional Office, Peak Hill
Cumberland Developmental Disability Service
Hunter Area Health Service, Newcastle
National Centre for Classification in Health
New South Wales Health Department
North Coast Regional Office, Lismore
Northern Sydney Area Health Service, St Leonards
Orana and Far West Regional Office, Dubbo
Silverwater Correctional Complex
South East Regional Office, Goulburn
South West Regional Office, Wagga

Other organisations

Health Information Management Association of Australia, North Ryde
iSoft, North Sydney
NHMRC Clinical Trials Centre, The University of Sydney
Prime Care Pty Ltd
Rolls Printing, Castle Hill
STARTTS, Fairfield Hospital

Indigenous Health Studies

Hospitals

Alice Springs Hospital, NT
Burke District Hospital & Services, NSW

Campbelltown Hospital, NSW
Dubbo Base Hospital, NSW
Griffith Base Hospital, NSW
Moruya District Hospital, NSW
Royal Brisbane and Women's Hospital Health Service District, QLD
Royal Darwin Hospital, NT
Royal Prince Alfred Hospital, Camperdown, NSW
Toowoomba Base Hospital, QLD
Westmead Hospital, NSW
Women's and Children's Hospital, Nth Adelaide, SA

Councils

Lockhardt River Aboriginal Council, Lockhardt River, QLD

Aboriginal medical services

Aboriginal and Islander CHS Brisbane Ltd, QLD
Aboriginal Corporation, Alice Springs, NT
Aboriginal Health, Queensland Government Health Mount Isa, QLD
Aboriginal Medical Health Centre Condobolin, NSW
Australian Federation of AIDS Organisation, Nambour QLD
Bourke Aboriginal Health Service, NSW
Disability Services Aboriginal Co-operation, Petersham NSW
Drug and Alcohol Aboriginal Rehabilitation Unit, Townsville, QLD, CHS
Durri Aboriginal Corporation Medical Service, NSW
Human Rights Commission, Native Title Unit, Sydney NSW
Illawarra Medical Health (Children's Development Centre), NSW
Kambu Medical Centre Ipswich Inc., Ipswich QLD
Katungal Aboriginal Medical Service, Narooma NSW
Menzies School of Health Research, Darwin, NT
Narrabri CHS, Narrabri, NSW
Ngaanyatjarra Pitjantjatjara Yankunytjatjara Women's Council
Ngalkanbuy Health Service, Galiwinku Community Inc.
Noongar Alcohol & Substance Abuse Service, WA
NSW Health Department, Aboriginal Health Branch, Policy Planning Unit, NSW
Public Health Unit, Tamworth, QLD
Reconnect Service, Dubbo, NSW
Territory Health Services, Darwin, NT
Tharawal Aboriginal Medical Services, NSW
Waminda Aboriginal Women's Health Organisation, Nowra NSW
Wellington Aboriginal Health Co-operation, Wellington, NSW
Wuchopperen Health Service Ltd, Manuda, QLD

Medical Radiation Sciences

Diagnostic Radiography

Albury Base Hospital
Alice Springs Hospital
Armidale Hospital
Auburn Hospital
Bankstown/Lidcombe Hospital
Barwon Medical Imaging, Geelong Hospital
Bathurst Base Hospital
Bathurst Radiology
Bega Hospital
Bega Valley Radiology
Belmont Hospital
Blacktown/Mt Druitt Hospitals
Blue Mountains Anzac Memorial Hospital
Bowral Medical Imaging
Brisbane Waters Radiology
Broken Hill Base Hospital
Cabramatta X-ray
Cairns Base Hospital
Calvary Health Care
Campsie Family Radiology
Canberra Imaging Group
Canterbury Hospital
Carlingford Medical Imaging
Castlereagh Imaging, Katoomba
Castlereagh Imaging, Mt Druitt
Castlereagh Imaging, Windsor
Central Coast Radiology
Central Queensland Medical Imaging
Central Sydney Imaging, Ashfield
Central Sydney Imaging, Newtown
Children's Hospital at Westmead
City X-ray
Clarence Valley Imaging
Coffs Harbour Health Campus
Coffs Harbour Radiology Centre
Concord Hospital
Dee Why X-ray & CT
Dr Glenn & Partners, Kogarah
Dubbo Base Hospital
Erina Radiology
Fairfield Hospital
French's Forest X-ray & CT
Gold Coast Hospital
Gosford Hospital
Goulburn Base Hospital
Greenslopes Hospital
Hills Private Hospital
Hornsby Ku-Ring-Gai Hospital
Hunter Imaging Group, Broadmeadow
Hunter Imaging Group, Cardiff
Hunter Imaging Group, East Maitland
Hunter Imaging Group, Gateshead
Hunter Imaging Group, Maitland
Hunter Imaging Group, Nelson Bay
Hunter Imaging Group, Toronto
Illawarra Radiology Group, Corrimal
Illawarra Radiology Group, Shellharbour
Illawarra Radiology Group, Wollongong
Independent Radiology, Burwood
Independent Radiology, Five Dock
Ipswich Hospital
John Flynn Hospital
John Hunter Hospital
Kingsway Diagnostic Centre
Launceston General Hospital
Lismore Base Hospital
Lithgow Hospital
Liverpool Hospital
Logan Hospital
Macarthur Health Service, Campbelltown Hospital
Mackay Mater Hospital
Maitland Hospital
Manly Hospital
Manning Base Hospital
Maroubra Medical Imaging
Mater Imaging
Medical Imaging, Bankstown
Mid North Coast Diagnostic Imaging
Mona Vale Hospital
Mount Isa Base Hospital
Mudgee Hospital
Murwillumbah Hospital
Narrabri Hospital
National Capital Diagnostic Imaging
Nepean Hospital
Nepean Radiology
North Coast Radiology
North Shore Radiology (North Shore Private Hospital)
Northside Medical Imaging
Northwest Radiology, Blacktown
Northwest Radiology, Castle Hill
Northwest Radiology, Eastwood
Northwest Radiology, Westmead

Norwest Medical Imaging
Orana Radiology, Dubbo
Orange Base Hospital
Parramatta Diagnostic Imaging
Peel Health Campus
Pennant Hills Diagnostic Centre
Penrith Imaging
Perisher Valley Medical Centre
Pindara Hospital
Pittwater Radiology, Mona Vale
Port Lincoln Hospital
Port Macquarie Base Hospital
Primary Diagnostic Centre (Primary Health)
Prince of Wales/Children's Hospitals
Queanbeyan District Hospital
Queensland Diagnostic Imaging
Rayscan, Burwood
Rayscan, Liverpool
Regional Imaging Border
Rockhampton Base Hospital
Royal Brisbane & Women's Hospital
Royal North Shore Hospital
Royal Prince Alfred Hospital (RPA)
St Andrew's Private Hospital
Shellharbour Hospital
Shoalhaven Hospital
Shoalhaven Medical Imaging
South Coast X-ray, Piccadilly
Southern Radiology, Bondi Junction
Southern Radiology, Hurstville
Southern Radiology, Miranda
St George Private Hospital/Symbion
St George Public Hospital
St Vincent's Public Hospital
St Vincent's Medical Imaging
St Vincent's, Launceston
Sutherland Hospital
Sydney Adventist Hospital (SAN)
Sydney Hospital/Sydney Eye Hospital
Sydney CT & MR
Sydney X-ray, Maroubra
Sydney X-ray, Randwick
Symbion, Bankstown
Symbion, Blacktown
Symbion, Campsie
Symbion, Castle Hill
Symbion, Fairfield
Symbion, Hurstville
Symbion, Kareena
Symbion, Merrylands
Symbion, Miranda
Symbion, Mudgee
Symbion, Nepean Private Hospital
Symbion, Queensland Diagnostic Health
Symbion, Strathfield (Strathfield Private Hospital)
Symbion, Sutherland
Symbion, Westmead Private Hospital
Symbion, Wetherill Park
Tamworth Hospital
The Canberra Hospital
Toowoomba Health Service
Townsville Hospital
Truescan Radiology, Cabramatta
Ultrascan, Auburn
Ultrascan, Campbelltown
Ultrascan, Liverpool
Ultrascan, Windsor (Hawkesbury Hospital)
Wagga Wagga Base Hospital
Western Imaging Group
Westmead Public Hospital
Whistler Radiology, Nowra
Whistler Radiology, Nowra Private Hospital
Whistler Radiology, Ulladulla
Wodonga Regional Health Service
Wollongong Hospital
Women's & Children's Hospital, SA
Wyong Hospital

Nuclear Medicine

Advanced Nuclear Medicine Services, Newtown
Bankstown/Lidcombe Hospital
Brisbane Waters Nuclear Medicine, Woy Woy
Burwood Nuclear Medicine
Cabramatta Nuclear Medicine
Campsie Nuclear Imaging
Canberra Imaging Group, Deakin, ACT
Canterbury-Bankstown Nuclear Imaging
Castlereagh Imaging: Penrith, Westmead, Blacktown
Children's Hospital at Westmead
Coffs Harbour Nuclear Medicine
Concord Repatriation General Hospital
Dee Why Nuclear Medicine
Gosford Nuclear Medicine
Hobart Isotope Imaging, TAS
Hunter Health Imaging Service, Cardiff
Hunter Valley Medical Imaging, Maitland
Illawarra Regional Hospital, Wollongong
Liverpool Hospital
Mount Sinai Medical Centre, NY, USA
Nepean Hospital
North Coast Nuclear Medicine, Buderim QLD
North Shore Private Hospital
Port Macquarie Medical Imaging
Royal Brisbane Hospital, QLD
Royal Children's Hospital, Melbourne
Royal Hobart Hospital
Royal Melbourne Hospital
Royal North Shore Hospital
Royal Perth Hospital
Royal Prince Alfred Hospital
Shoalhaven Nuclear Imaging, Nowra
Sir Charles Gairdner Hospital, Nedlands, WA
South West Nuclear Medicine Group, Campbelltown
South West Nuclear Medicine Group, Liverpool
Southern Nuclear Imaging Group, Wollongong
St Andrew's Hospital, Brisbane
St Vincent's Hospital, Darlinghurst
Sutherland Nuclear Medicine, Caringbah
Symbion Imaging, Westmead
Tamworth Base Hospital
The Canberra Hospital
The Prince of Wales Hospital, Randwick
The Prince Charles Hospital, Chermside, QLD
The St George Hospital, Kogarah
The St George Private Hospital, Kogarah
Westmead Hospital

Radiation Therapy

Central Coast Radiation Oncology Centre
East Coast Cancer Care, John Flynn Radiation Oncology, Tugun
Illawarra Cancer Care Centre, Wollongong Hospital
Launceston General Hospital
Liverpool Hospital
Macarthur Cancer Therapy Centre
Mater Misericordiae Hospital, Waratah
North Coast Cancer Institute
North Queensland Oncology Services, Townsville
Prince of Wales Hospital
Radiation Oncology Associates P/L – Mater Misericordiae Hospital, Crows Nest
Radiation Oncology Network, Nepean
Radiation Oncology Network, Westmead

Riverina Cancer Care Centre, Wagga Wagga
Royal Adelaide Hospital
Royal Brisbane Hospital
Royal Hobart Hospital
Royal North Shore Hospital
Royal Perth Hospital
Royal Prince Alfred Hospital
Sir Charles Gairdner Hospital, Perth
St George Hospital
St Vincent's Clinic
St Vincent's Hospital
Sydney Radiotherapy & Oncology Centre, Sydney Adventist Hospital
The Canberra Hospital

Occupational Therapy

Metropolitan

Active OH&S
Advanced Personnel Management
Aged Care & Rehab Service, Camden Hospital
Arthritis Foundation of NSW
ASPECT
Assertive Recovery In The Community
Auburn Community Health Services
Auburn Hospital
Balmain Hospital
Bankstown Community Mental Health Service
Bankstown/Lidcombe Hospital
Beechwood Residential Aged Care Facility
Blacktown/Mt Druitt Hospital
Blue Mountains Child Development Unit
Bondi Community Mental Health Service
Braeside Hospital
Buckingham House
Building Blocks Early Intervention Service
Bungaribee House
Calvary Hospital
Campbelltown Hospital
Campbelltown Mental Health Service
Camperdown Aged Care Assessment Team
Canterbury Community Health Centre
Canterbury Hospital
Central Coast Health
Children's Hospital at Westmead
Concord Hospital
Counselling and Retraining for Employment (CARE)
CRS, Special Unit and Parramatta MH & ABI
CRS, Blacktown
CRS, Epping
CRS, Fairfield
CRS, Liverpool
CRS, Maroubra
CRS, Windsor
Cumberland Hospital
Cumberland Industries
DADHC, Alexandria
DADHC, Burwood
DADHC, Chatswood
DADHC, Cumberland Prospect Disability Service
DADHC, Fairfield
DADHC, Hurstville
DADHC, Metro North
DADHC, Parramatta
DADHC, Wollongong
Delmar Private Hospital
Department of Veterans Affairs
Eastern Respite and Recreation
Eastern Suburbs Private Hospital
Educational Speech Pathology
Embark Cottage
Empact Injury Management
Fairfield Health Service
Fairfield/Liverpool Mental Health Service
Giant Steps
Grevillea Cottage
Greenwich Hospital
Hornsby Ku-Ring-Gai Mental Health Residential Support Service
Illawarra Child Development Centre
Lady Davidson Hospital
Lawrence Hargrave Hospital
Liverpool Community Mental Health
Liverpool Health Service
Macquarie Hospital
Macquarie Hospital & Health Promotion Unit
Mandy Shapiro Private Practice
Manly Hospital
Metro Residences
Metropolitan Rehabilitation Hospital
Mona Vale Hospital & Community Services
Mt Wilga Private Hospital
Nepean Hospital
Newtown Neighbourhood Centre
Noah's Ark Centre
North Gosford Private Hospital
Northcott Disability Services
Penrith Community Health Centre
People for Places and Spaces
Prince of Wales Hospital
Royal North Shore Hospital
Royal Prince Alfred Hospital
Royal Rehabilitation Centre
Rozelle Hospital
Ryde Hospital & Community Health Service
Schizophrenia Fellowship
Shoalhaven Hospital, OT Dept
Skills for Kids
Southcare
Southern Sydney Therapy Centre
St George Mental Health Inpatient Unit
St George Hospital
St Joseph's Hospital
St Vincent's Hospital
Sutherland Hospital
Sydney Children's Hospital
Sydney Hospital
Sylvanvale Disability Services
The Spastic Centre NSW
Westmead Hospital
Windgap Foundation
Wollongong Hospital
Wolper Jewish Hospital
WorkFocus Australia

Country and interstate

Ballina Community Health Centre
Bathurst Hospital & Community Services
Bloomfield Hospital
Calvary Hospital
Canberra Hospital
Cootamundra Hospital
Hunter Residences
Lingard Private Hospital
Manning Base Hospital
Nelson Bay Community Health Centre
Orange Base Hospital
Port Macquarie Base Hospital
Queanbeyan Mental Health Service
Sunrise Occupational Therapy for Kids
Tamworth Base Hospital
Tamworth Community Health Centre

Taree Community Health Centre
The Spastic Centre, NSW
Uraliup Assessment and Rehabilitation Unit
WorkFocus

Orthoptics

Public hospitals

Metropolitan

Bankstown Hospital
Children's Hospital at Westmead
Concord Repatriation General Hospital
Coorabel, Ryde Rehabilitation Centre
Liverpool Hospital
Prince of Wales Hospital, Randwick
St George Hospital, Kogarah
Sydney Eye Hospital, Sydney
Westmead Hospital

Country and interstate

Repatriation & General Hospital, Greenslopes Brisbane
Royal Brisbane Hospital

Community agencies and private organisations

Alice Betteridge School
Vision Australia: Enfield, Newcastle & Canberra
Royal Far West Children's Health Scheme, Manly
Royal Institute for Deaf & Blind Children
Save Sight Institute

Private practitioners

Dr M Branley – A Enriquez
Bondi Junction Laser Sight Centre
Canberra Eye Surgery
Dr J Chau-Vo – M Payir
Dr M Delaney – L Kutcher, V Weir
Dr J Downie
Eastwood Eye Surgery
Eye Associates, Sydney
Eyetreat, Castle Hill – L Wilcox
Dr M P Flaherty – J Crippa
Dr I Francis - M Rice
Dr A Goh – T Nelson, R Kiernicki
Gordon Eye Surgery – G Press
Gosford Eye Specialists – C Purtell
Dr E Gregory – N K Ngo
Dr G S Horowitz
Hills Midwest Eye Specialists
Dr S Hing, Dr C Ross
Hunter Street Eye Specialists, Parramatta – N Roediger, M Deguia
Dr S Lertsumitkal – M Clark
Laser Sight, Parramatta
Marsden Eye Specialists, Parramatta & Castle Hill
Dr F Martin – L Leonard
Metwest Eye Centre, Blacktown
Mosman Eye Specialists – S Platt
Dr M Newman – E Broome
North Shore Eye Centre, St Leonards
Perfect Vision Laser Correction – Dr C N Moshegov, C Kuah
Dr A Rosenberg – Y Pham-Vu
Dr J Smith
Southline Eye Centre
Sydney Eye Specialist Centre
The Eye Institute, Chatswood & Cremorne
Dr Steven Wine – A Coyne
Wyong Eye Specialists
Dr J Yip

Physiotherapy

Public hospitals

Metropolitan

Aged Care & Rehab, Concord Hospital
Auburn Hospital
Balmain Hospital
Bankstown/Lidcombe Hospital
Blacktown Hospital
Blue Mountains District Anzac Memorial Hospital
Braeside Hospital
Camden Hospital
Campbelltown Hospital
Canterbury Hospital
Children's Hospital at Westmead
Community Rehabilitation & Geriatric Services, Kogarah
Concord Repatriation General Hospital
Fairfield Hospital
Greenwich Hospital
Hawkesbury District Health Service
Hornsby Ku-Ring-Gai Hospital & Area Health Service
Liverpool Health Service
Manly Hospital & Community Health Service
Mt Druitt Hospital
Mona Vale Hospital
Nepean Hospital
Prince of Wales Hospital, Randwick
Royal Hospital for Women, Randwick
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital, Camperdown
Royal Prince Alfred Hospital, Institute for Rheumatology & Orthopaedics
Royal Prince Alfred Hospital, Rehabilitation Day Hospital
Royal Prince Alfred Hospital, Sleep Disorder Unit
Royal Rehabilitation Centre, Sydney
Ryde Aged Care Service
Ryde Hospital & Community Health Services
Southcare, Sutherland Hospital
Springwood Hospital
St George Hospital, Kogarah
St Joseph's Hospital, Auburn
St Vincent's Hospital, Darlinghurst & Sacred Heart Rehabilitation & Palliative Care
Sutherland Hospital, Caringbah
Sydney Children's Hospital, Randwick
Sydney Hospital & Sydney Eye Hospital
War Memorial Hospital, Waverley
Westmead Hospital

Country and interstate

Aged Care Services Wagga Wagga
Armidale & New England Hospital
Ballina Community Health
Bathurst Base Hospital
Bega District Hospital
Broken Hill Base Hospital
Bulli District Hospital
Byron District Hospital
Calvary Mater Newcastle
Casino Community Health
Coffs Harbour Base Hospital
Coonamble Health Service & Baradine MPS
Cowra Hospital
Dubbo Base Hospital
Gilgandra Hospital
Gosford Hospital
Grafton Base Hospital
Inverell Health Service
John Hunter Hospital
John Hunter Hospital – Children's Hospital/Kaleidoscope

Kempsey District Hospital
Kurri Kurri Hospital
Launceston General Hospital
Lismore Base Hospital
Long Jetty Health Care Centre
Lourdes Hospital, Dubbo
Maclean Community Health
Maitland Hospital
Mercy Care Centre, Young
Mudgee District Hospital
Murwillumbah District Hospital
Orange Base Hospital
Port Kembla Hospital
Port Kembla Hospital – TRACS
Port Macquarie Base Hospital
Queanbeyan District Hospital
Rankin Park – Centre for Rehabilitation & Aged Care
Royal Hobart Hospital
Royal Newcastle Centre
Shellharbour Hospital
Shoalhaven District Memorial Hospital, Nowra
St Vincent's Hospital, Lismore
Tamworth Base Hospital & Health Service
Tamworth Community Health Centre
The Canberra Hospital, ACT Health
Tweed Heads Hospital
Wagga Wagga Base Hospital
Wellington District Hospital
Wollongong Hospital
Woy Woy Hospital
Wyong District Hospital

Private hospitals and nursing homes

Alwyn Rehabilitation Private Hospital
Cardinal Freeman Village
Dudley Orange Private Hospital
Frank Whiddon Masonic Homes
Gowrie Village
Hirondelle Private Hospital
John Paul Village
Kareena Private Hospital
Lady Davidson Private Hospital
Lake Macquarie Private Hospital
Manly Waters Private Hospital
Metropolitan Private Rehabilitation Hospital
Mt Wilga Private Hospital
North Gosford Private Hospital
North Shore Private Hospital
Prince of Wales Private Hospital
Sir Moses Montefiore Home
St Mary's Villa
Sydney Adventist Hospital
Tamara Private Hospital
Toronto Private Hospital
Westmead Private Hospital

Commonwealth government departments and agencies

ACAT, Hornsby
APAC, Northern Sydney
DADHC, Hornsby
DADHC, Hurstville
DADHC, Parramatta
DADHC, Penrith
DHCS Therapy, ACT
First Health Support Battalion (1 HSB)
3 Combat Support Hospital, RAAF Base, Richmond

Community agencies and private organisations

Alice Betteridge School, Royal Institute for Deaf & Blind Children
Anglican Retirement Villages
Arthritis NSW
Camperdown Community ACAT
Croydon Community Health Centre
Early Education
Guide Dogs NSW/ACT
Health Promotions Unit, SSWAHS
Hunter Brain Injury Service
Lifestart
Multiple Sclerosis Society, NSW/VIC
Northcott Society
Northern Beaches Health Promotion Unit (NBHPU)
Penrith Community Health Centre
Rehab on the Move
STARTTS
The Spastic Centre of NSW
Youthsafe

Private Practices

AMCL Liverpool
ASAP Physiotherapy, Bankstown
ASAP Physiotherapy, Blacktown
Bankstown Physiotherapy and Sports Injury Clinic
Bathurst Physiotherapy & Sports Injuries Centre
Bella Vista Physiotherapy Centre
Belmore Physiotherapy & Sports Injuries Centre
Berkeley Vale Physiotherapy & Rehabilitation
Bondi Physiotherapy & Sports Injury Centre
CBD Physiotherapy Clinic
Central West Orthopaedics & Sports Physiotherapy
Country Physiotherapy
Fairy Meadow Phytness Physiotherapy
Guildford Physiotherapy Sports Centre
Hawkesbury Manipulative Sports Physiotherapy Centre
LifeCare Lewisham Sports Medicine Centre
Lindsay Trigar Physiotherapy
Lismore Spinal, Orthopaedic & Sports Physiotherapy
Liverpool Physiotherapy & Sports Injury Centre
Macarthur Physiotherapy & Sports Injury Centre
Mary St Sports Physiotherapy & Rehabilitation Centre
Mountain Mobile Physiotherapy Service
Narellan Physiotherapy Sports Injury Centre
Narrabeen Sports Medicine Centre
North Sydney Orthopaedic Sports Centre
Northern Districts Physiotherapy
Northwest Physiotherapy
On the Move Physiotherapy Services
O'Neill & Pross Pty Ltd
Pennant Hills Physiotherapy Centre
Penrith Physiotherapy Sports Centre
Physical Physiotherapy
Pittwater Manipulative Physiotherapy & Sports Injuries Centre
Precision Physiotherapy, Surry Hills/St Mary's
Ramsay Professional Services, Coffs Harbour
Rehab One Physiotherapy Pty Ltd
South Dubbo Orthopaedic & Physiotherapy Centre
South Sydney Orthopaedic & Sports Medicine Centre
Southern Sports and Physiotherapy, Engadine
SportsFizz Physiotherapy, Sports Injury Centre
Sports Physio-West
Sports, Spinal & Rehab Solutions
St George Physiotherapy & Sports Injury Clinic
Sutherland Physiotherapy & Sports Injury Clinic
Sydney Sports Medicine Centre
SydneyWest Physiotherapy
Toormina Physiotherapy & Sports Injury

The University of Sydney

Breast Cancer Research, Cumberland Campus
Neurological & Aged Care Research Group, Discipline of Physiotherapy, The University of Sydney
The University of Sydney Pain Management & Research Centre, Royal North Shore Hospital

Rehabilitation Counselling

Public hospitals and community health services

Metropolitan

Bridgeway House, Western Sydney Area Health Service
Royal Rehabilitation Centre Sydney, Ryde
Herbert Street Clinic, Royal North Shore Hospital, St Leonards
The University of Sydney Pain Management & Research Centre, Royal North Shore Hospital
Western Sydney Area Health Service, Parramatta
Westmead Hospital, Dept of Rehab Medicine
Jarrah House, Prince Henry Hospital, Little Bay

Country and interstate

Illawarra Area Health Service, Mental Health
Lithgow Community Mental Health Team
Mingara, Shoalhaven Drug & Alcohol Service, Ulladulla

Government departments and agencies

CRS Australia

Metropolitan

Ashfield, Bankstown, Blacktown, Campbelltown, Chatswood, Darlinghurst, Dee Why, Epping, Fairfield, Hurstville, Liverpool, Maroubra, Miranda, Parramatta, Penrith, Rockdale, Sutherland, Sydney, Windsor

Country and interstate

Bateman's Bay, Bega, Brisbane, Brunswick Heads, Canberra, Charlestown, Cheltenham (Vic), Darwin, Knox (Vic), Gosford, Lismore, Newcastle, Nowra, Tamworth, Whyalla, Wollongong

Department of Defence, Mental Health Unit, Enoggera, QLD
Ambulance Service of NSW, Rozelle
NSW Sport & Recreation, Sports Unit for Athletes with a Disability, Narrabeen
Dept of Ageing, Disability & Home Care, Alexandria
National Disability Abuse and Neglect Hotline, Redfern
Choice Employment Solutions, Blacktown
Community Offenders Services, Wollongong
Impotence Australia
Dept Corrective Services, Disability Services Unit, Sydney
Metropolitan Remand & Reception Centre, Silverwater
John Morony Correctional Centre (Parole Unit), South Windsor
NSW Fire Brigade, Sydney
Probation & Parole Service: Bankstown, Parramatta, Penrith
Silverwater Correctional Centre
WorkCover, QLD, Brisbane

Community agencies and private organisations

Metropolitan

Active Occupational Health Services, Liverpool
Advanced Personnel Management, Parramatta, Sydney
Allianz Australia Ltd, Sydney
Australian Injury Management, Granville
Barnados, Mt Pleasant
Break Thru Employment Solutions, Blacktown, Liverpool
CGU – Workers Compensation, Pyrmont
Chinese Australian Services Society (CASS), Ashfield
The Chronic Pain Group, Gordon
CMS Rehab, Bankstown
Crawford Healthcare Management Services, Chatswood
Dulkara Adult Day Service (Inala), Cherrybrook
Empact Injury Management Services, Baulkham Hills
The Exodus Foundation, Ashfield
Flintwood Disability Services Inc, Westmead
Headway Adult Development Program, Bankstown
Hornsby Challenge (Network Job Services), Eastwood
House With No Steps, Belrose
ICLA, Surry Hills
IMR – Injury Management and Rehabilitation, Alexandria
Inergise, Hurstville, Liverpool, Parramatta, Sydney
Injury Management Assist, Liverpool
Kairros, Greenwich, Harris Park, Liverpool
Konekt (formerly WIMS), Liverpool, Parramatta
Lifestyle Options, The Spastic Centre, Allambie Heights
Mercy Community Care, Hornsby
MP Safety Management, Sydney
The Maroubra Centre
Mend Services Pty Ltd, Lidcombe, Forest Lodge (Glebe)
Mission Australia – Employment: Baulkham Hills, Campbelltown, Campsie, Castle Hill, Chatswood, Hornsby, Leichhardt, Miller, North West Disability Service, Penrith
NADA – Network of Alcohol and Other Drug Services (Youth Off The Streets), Marrickville
ORS Group, Parramatta
PRA (Psychiatric Rehabilitation Association): Redfern, Parramatta
QBE Insurance, Sydney
Rehab Options, Miranda
Recovre, Parramatta, Sydney
Rehabilitation Services, Sydney
Re-Start Consulting, Lewisham
Riverlink Interchange, West Ryde
Smart Rehabilitation, Newington
Salvation Army Oasis Youth Support Network, Surry Hills
SEDS, Chatswood
Seven Hills School for Sensory Education
STARTTS, Carramar
Studio Artes Inc, Hornsby
Sydney Counselling Centre, Parramatta
Triple Care Farm, Robertson
Wahroonga Rehabilitation Service, 'House In The Park'
Wesley Life Skills, Belfield, Granville, Milperra, Petersham
Workfocus Australia, Newtown

Country and interstate

Advanced Personnel Management, Brisbane
Best Practice Rehabilitation, Newcastle
Camp Breakaway, San Remo (Central Coast)
Inergise, Coffs Harbour, Tamworth
Hills Street Occupational Rehabilitation Service, West Gosford
ORS Employment Solutions, Gosford

International

Mitchells Plain Community Health Centre, South Africa
Agape Family Ministries, South Africa

Speech Pathology

Hospitals

Metropolitan

Allowah Presbyterian Children's Hospital
Balmain Hospital
Bankstown Hospital
Braeside Hospital
Camden Hospital
Campbelltown Hospital
Children's Hospital at Westmead
Concord Repatriation General Hospital
Fairfield Hospital
Hornsby Kuringai Hospital
Kiama Hospital
Lady Davidson Private Hospital
Liverpool Area Health Service
Lottie Stewart Hospital
Mt Wilga Private Rehabilitation Hospital

Nepean Hospital
Northern Beaches Health Service (incorporating Manly & Mona Vale Hospitals)
Royal North Shore Hospital
Royal Prince Alfred Hospital
Royal Rehabilitation Centre, Ryde
Ryde Hospital
St George Hospital, Kogarah
St Joseph's Hospital, Auburn
St Vincent's Hospital, Darlinghurst
St Vincent's Hospital, Sacred Heart Rehabilitation Service
Sutherland Hospital
Sydney Children's Hospital, Randwick
War Memorial Hospital, Waverley
Westmead Hospital (incorporating Blacktown and Auburn Hospitals)
Wollongong Hospital

Country/interstate/overseas

Adult Disability Team, Darwin
Alamanda Private Hospital, Southport
Albury Base Hospital
Alice Springs Hospital
Blue Mountains District Hospital
Coffs Harbour Hospital
East Cooper Medical Centre, USA
Gosford Hospital
Goulburn Hospital
Kiama Hospital
Launceston General Hospital
Lismore Base Hospital
Lourdes Hospital, Dubbo
Manning Base Hospital, Taree
North West Regional Hospital, Tasmania
Orange Base Hospital
Royal Hobart Hospital
Shoalhaven District Memorial Hospital
Singapore General Hospital
Tamworth Base Hospital
The Canberra Hospital
Wagga Wagga Base Hospital
Yass Hospital

Community Health: NSW/country/interstate

ACT Community Health
Auburn Community Health Service
Bankstown Community Health Centre
Bega/Pambula Community Health Centre
Blacktown Community Health Centre
Burwood Community Health Service
Byron Bay Community Health Centre
Camperdown Child Health Services
Canowindra Health Service
Central Coast Health
Cessnock/Kurri Kurri Health Service
Cootamundra Community Health
Croydon Health Services
Deniliquin Community Health
Devonport Community Health
Dubbo Community Health Centre
East Maitland Community Health Centre
Eden Community Health Centre
Eurobodalla Community Health Centre
Fairfield Health Service
Forster Community Health Centre
Glen Innes Community Health Centre
Goulburn Community Health Centre
Hawkesbury Community Health Service
Hornsby Kuring-gai Health Service
Hunter New England Area Health Service - Aged Care Services, Taree
Illawarra Child Development Centre and Kids Cottage
Kurrajong Early Intervention Service
Lismore Child and Family Health Centre
Lower Nth Shore Child & Health Service
Macarthur Health Service (incorporating Rosemeadow, Ingleburn, Narellan and Wollondilly Community Health Centres)
Menai Community Health Centre
Mount Druitt Community Health Centre
Mudgee Community Health
Merrylands Community Health
Mullumbimby Community Health
Murwillumbah Community Health Centre
Northern Beaches Health Service
Parramatta Community Health Centre
Peakhurst Community Health Centre
Penrith Community Health Centre
Port Macquarie Community Health
Quirindi Community Health Service
Queenscliff Community Health Centre
Rockdale Community Health Centre
Royal North Shore and Ryde Child & Family Health Centre
Royal Rehabilitation Network (Royal Darwin Hospital)
St Clair Community Health Centre
Sylvania Community Health Centre
Tamworth Community Health Centre
Therapy, ACT
Tumut Community Health Centre
Tweed Heads Community Health Centre
Waverley Community Health Centre
Young Community Health Centre

Department of Ageing Disability and Homecare (DADHC)

DADHC: Armidale, Burwood, Cumberland Prospect, Dubbo, Early Intervention Community Support Team (Nepean), Fairfield, Goulburn, Grafton, Macarthur (Community Support Team), Metro North, Metro Residence, Mudgee, Parramatta, Penrith, Queanbeyan, St Mary's, Tamworth, Wollongong

Community agencies and private organisations

Alice Betteridge School: Royal Institute for Deaf & Blind Children (RIDBC)
ASPECT
Learning Links
Lifestart
Sylvan Vale Disability Service
The Infants' Home, Ashfield
The Shepherd Centre
The Spastic Centre of NSW: Ryde, Prairiewood, Allambie Heights
The Sydney Cochlear Implant Centre

Other organisations

Berala Public School
Catholic Education Office, Parramatta Diocese
Educational Speech Pathology
Garfield Barwick School (RIDBC)
Kerry Wyer
Royal Far West School
Sacred Heart School Cabramatta
Saint Ignatius' College Riverview
St Patrick's Special School (Adelaide)

7. 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, 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 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 www.usyd.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 7.3 for the course outline of the Bachelor of Health Science with a major in Hearing and Speech and Table 7.4 for the course outline of the Bachelor of Health Science with a 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 find that this is advantageous. The general admission requirements in Chapter 3 apply.

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 pass and honours are presented in Tables 7.1, 7.1.1 and 7.2. The course outline for the Bachelor of Health Sciences with a major in Hearing and Speech is presented in Table 7.3 while Table 7.4 shows the Bachelor of Health Sciences with a major in Movement Science. Units of study descriptions and a list of faculty electives are found in Chapter 19.

Important notes

See Chapter 26 for information about the combined degrees of Bachelor of Health Sciences/Master of Clinical Vision Sciences.

See Chapter 23 for information about the combined degrees of Bachelor of Health Sciences/Master of Health Informatics.

See Chapter 28 for information about the combined degrees of Bachelor of Health Sciences/Master of Rehabilitation Counselling.

Table 7.1: Bachelor of Health Sciences (Pass)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH122: Pass course; full-time, 3 years			
Year 3 (last offered in 2009)			
Semester 1			
HSBH3004 **Health, Ethics and the Law**	6		Semester 1
Research elective [6] (see note)			
Electives [12] (see stream requirements and note)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Semester 2			
Either			
BACH3077 **Workplace Attachment**	6		Semester 2
or			
BIOS3063 **Project Design and Management**	6		Semester 2
Electives [18] (see stream requirements and note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Elective requirements for the Health System and Services stream			
Semester 1			
BACH3143 **Counselling Skills**	6		Semester 1
Elective [6] (see note)			
Semester 2			
Electives [18] (see note)			
Elective requirements for the Health and Wellbeing stream			
Semester 1			
BACH3143 **Counselling Skills**	6		Semester 1
Elective [6] (see note)			
Semester 2			
Electives [18] (see note)			
Elective requirements for the Healthcare Science stream			
Semester 1			
EXSS2027 **Exercise Physiology for Clinicians**	6	**A** EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1	Semester 1
Elective [6] (see note)			
Semester 2			
EXSS2025 **Motor Control and Learning**	6		Semester 2
Electives [12] (see note)			
Note			
A list of faculty and research electives available in the Faculty of Health Sciences is included in Chapter 19 of the handbook. Electives may aalso be chosen from units available throughout the University, subject to approval, availability and minimum enrolment.			

Table 7.1.1: Bachelor of Health Sciences (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH123: Honours program; full-time, 3 years			
Years 1 to 2			
As per Pass course			
Year 3 (first offered in 2009)			
Semester 1			
HSBH3004 **Health, Ethics and the Law**	6		Semester 1
Research elective [6] (see note)			
Electives [12] (see note)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Either			
BACH3077 **Workplace Attachment**	6		Semester 2
or			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
BIOS3063 **Project Design and Management**	6		Semester 2
and			
BHSC3014 **Honours Research Proposal**	6	*Note: Department permission required for enrolment*	Semester 2
Electives [12] (see note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2010)			
Semester 1			
BHSC4001 **Honours Research Seminar 1**	3	**P** BHSC3003 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** BHSC3003 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			
Note			
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 19 of the handbook.			

Table 7.2 Bachelor of Health Sciences (Pass)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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
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 (see note 1):			
HSBH3001 **Health and Indigenous Populations**	6		Semester 2
HSBH3003 **Health Service Stategy and Policy**	6		Semester 2
HSBH3004 **Health, Ethics and the Law**	6		Semester 1
HSBH3006 **Research Methods in Health**	6	**P** HSBH1007 Health Science and Research or equivalent	Semester 1
HSBH3009 **International Health Project**	6		Semester 2
Units of study required for the second major (see note 2)			
Elective units of study (see note 3)			
Notes			
1. Further Senior units to be offered in 2010.			
2. The number of credit points required to satisfy the requirements for the second major varies with each major.			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
3. 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 7.3 : Bachelor of Health Sciences with a Hearing and Speech 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. Students who have not taken HSC biology are strongly advised to take the Biology Bridging Course in February. **N** BIOL1903, EDUH1016. *It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.*	Semester 1 Summer Main
HSBH1006 **Foundations of Health Science**	6		Semester 1
HSBH1007 **Health Science and Research**	6		Semester 1
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)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BIOS1163 **Speech Science**	6		Semester 1
CSCD1030 **Clinical Linguistics**	3	**A** Knowledge of traditional grammar *Students must pass this unit in order to enrol in clinical units in Year 2. Students without a sound knowledge of formal traditional grammar are encouraged to undertake the Grammar bridging course*	Semester 1 Summer Main
CSCD1031 **Clinical Phonetics & Articulation**	3	*Students must pass this unit in order to enrol in clinical units in Year 2*	Semester 1 Summer Main
CSCD1032 **Human Communication**	6	*Students must pass this unit in order to enrol in clinical units in year 2*	Semester 1
One BHS Senior unit of study [6] (see list in Table 7.2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1165 **Hearing Science and Audiology**	6	**A** BIOS1116 Speech Science I or 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 *Students who have not completed Human Biology and Biochemistry or its equivalent will be required to attend additional tutorials*	Semester 2
CSCD1033 **Child Phonology**	6	**A** CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication *Students must pass this unit in order to enrol in clinical units in year 2*	Semester 2
One BHS Senior unit of study [6] (see list in Table 7.2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2010)			
Semester 1			
Neuroscience II: Communication Disorders [6]			
Two BHS Senior units of study [12] (see list in Table 17.2)			
Elective [6] (see note)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Audiology 2 [6]			
Cognitive Neuropsychology [6]			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Counselling & Behav Mgmt: Comm Disorders [6]			
Phonology, Language and Literacy [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
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 19 of the handbook.			

Table 7.4 : 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. Students who have not taken HSC biology are strongly advised to take the Biology Bridging Course in February. **N** BIOL1903, EDUH1016. *It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.*	Semester 1 Summer Main
HSBH1006 **Foundations of Health Science**	6		Semester 1
HSBH1007 **Health Science and Research**	6		Semester 1
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			
BIOS1171 **Neuroscience**	6	**N** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists	Semester 1 Semester 2
EXSS1018 **Biomechanics of Human Movement**	6	**A** HSC mathematics	Semester 1
Two electives [12] (see note 2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1168 **Functional Musculoskeletal Anatomy A**	6		Semester 1 Semester 2
EXSS1032 **Fundamentals of Exercise Science**	6		Semester 2
One BHS Senior unit of study [6] (see list in Table 7.2)			
Elective [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2010)			
Semester 1			
BIOS1169 **Functional Musculoskeletal Anatomy B**	6	**P** BIOS1168 Functional Musculoskeletal Anatomy A	Semester 1 Semester 2
EXSS2027 **Exercise Physiology for Clinicians**	6	**A** EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1	Semester 1
Two BHS Senior units of study [12] (see list in Table 7.2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2025 **Motor Control and Learning**	6		Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
One BHS Senior units of study [6] (see list in Table 7.2)			
Two electives [12] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. This table shows the recommended pathway for students to achieve the Movement Science major.			
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 19 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 7.5. Units of study are described in Chapter 19.

Table 7.5: Bachelor of Health Sciences/Master of Nursing

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code GH016: Full-time, 4 years			
Year 1			
Semester 1			
BIOL1003 **Human Biology**	6	**A** HSC 2-unit Biology. Students who have not taken HSC biology are strongly advised to take the Biology Bridging Course in February. **N** BIOL1903, EDUH1016. *It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.*	Semester 1 Summer Main
HSBH1006 **Foundations of Health Science**	6		Semester 1
HSBH1007 **Health Science and Research**	6		Semester 1
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)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BIOS2111 **Introductory Toxicology**	6	**A** Any Junior Biology unit of study	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
HIMT1051 **Introduction to Management Principles**	6		Semester 1
NURS5003 **Observation in Nursing Practice**	6		Semester 1a
NURS5004 **Applied Nursing Practice**	6		Semester 1b
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NURS5005 **Biomedical Therapies and Nursing**	6		Semester 2
NURS5006 **Illness Experience and Nursing Care**	6		Semester 2
Electives [12] (see note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
BIOS3066 **Current Issues in Healthcare**	6		Semester 1
BIOS3068 **Environmental Toxicology**	6	**P** BIOS2111 Introductory Toxicology	Semester 1
NURS5001 **Nursing Concepts: Bodies and Boundaries**	6		Semester 1
NURS5002 **Social Contexts of Health**	6		Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1143 **Designing Health Research**	3		Semester 1 Semester 2
BACH1145 **Quantitative Health and Social Research**	3	**A** Basic mathematics	Semester 1 Semester 2
BIOS3063 **Project Design and Management**	6		Semester 2
NURS5007 **Mental Health Nursing Practice I**	6	**C** NURS5008	Semester 2
NURS5008 **Acute Care and Nursing Practice I**	6	**P** NURS5004 **C** NURS5007	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4			
Semester 1			
NURS6001 **Nursing Observations and Bio Parameters**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
NURS6002 **Maternity, Child & Adolescent Nursing I**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
NURS6003 **Nursing Care for Chronic Conditions**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
NURS6004 **Nursing and the Politics of Health Care**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NURS6005 **Acute Care and Nursing Practice II**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 and NURS6001	Semester 2
NURS6006 **Mental Health Nursing Practice II**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 2
NURS6007 **Community Nursing**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 2
NURS6008 **Inquiry and Research in Nursing**	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Note

Electives are to be selected from those available in the Faculty of Health Sciences and other faculties of the University. In each semester students may select electives to make up the total number of credit points available for electives in that semester. A student may enrol in a particular elective subject to its availability and approval by the program coordinator (or nominee) of the Bachelor of Health Sciences.

8. Behavioural and Social Sciences in Health

Course of study

A range of undergraduate and postgraduate degrees are available specialising in applied behavioural sciences for health, community, ageing and disability.

- From 2007, the Bachelor of Health Sciences has replaced the three year Bachelor of Behavioural Health Science and is designed to provide students with greater flexibility and choice. A fourth year honours program is available to meritorious students. See Chapter 7 for further information on the Bachelor of Health Sciences.
- Postgraduate coursework degrees are offered in gerontology and health science education. See Chapters 20 and 21 for information on the postgraduate degrees offered in the discipline of Behavioural and Social Sciences in Health.
- Postgraduate masters and doctoral research degrees are available with supervision in the following research areas: behavioural aspects of ageing, child and adolescent behaviour, community health and development, curriculum design, cyberpsychology, delinquency, educational practice, ethnicity and migrant health, gender equity and health, health policy, health risk management, improving health systems, applications of attention, memory, knowledge and decision making to health, media and health, intellectual and physical disability, mental health (anxiety disorders, depression, substance abuse, addictive behaviour), occupational stress, organisational behaviour, traumatic brain injury, treatment compliance and adherence, vocational rehabilitation, women's and men's health and workers' compensation. See Chapter 31 for information on research degrees offered by the Faculty of Health Sciences.

Key external collaborators include:

- Australian and New Zealand Obsessive Compulsive Disorder Research Alliance
- Australian Association for Cognitive Behaviour Therapy
- Australian Centre for Addiction Research
- Australian Centre for Posttraumatic Mental Health
- Commission for Children and Young People
- Commonwealth Departments of Health and Ageing and of Veterans' Affairs
- NSW Departments of Health, Juvenile Justice and Education
- Justice Health
- Migration Research Network
- National Cancer Institute (NIH, USA)
- Primary Health Network
- Australian Research Alliance for Children and Youth

Professional information

Applied behavioural sciences reflect the multidisciplinary nature of healthcare and link developments in behavioural sciences with their application in health and community contexts. Graduates with specialisations in applied behavioural sciences develop skills in understanding the social, cultural, and personal characteristics that impact on the health of individuals, families, communities and societies. They also develop generic skills in research and communication suitable to a broad range of multidisciplinary settings. Applied behavioural sciences are an integral part of all curriculum in the Faculty of Health Sciences.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au

Bachelor of Behavioural Health Science

No first year intake from 2007

Honours

Students are advised to contact the course coordinator for specific information related to the Bachelor of Behavioural Health Science honours program.

Course outline

The course outline for the Bachelor of Behavioural Health Science honours is presented in Table 8.1. Units of study are described in Chapter 19.

Table 8.1: Bachelor of Behavioural Health Science (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH121: Honours course; full-time, 4 years			
Year 4 (last offered in 2009)			
Semester 1			
AHCD4052 Honours Workshop	6	*This unit is available only to students admitted to the honours program*	Semester 1
BACH4082 Research Project: Data Collection	6	*This unit is available only to honours students*	Semester 1
Research support elective [6] (see notes and research support electives below)			
General elective [6] (see notes)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Semester 2			
BACH4080 **Research Thesis Support**	6	**P** AHCD3016 Writing a Research Proposal, AHCD4052 Honours Workshop	Semester 2
BACH4083 **Research Project: Interpretation**	6		Semester 2
BACH4084 **Special Investigation**	6	**N** This unit is available only to honours students	Semester 2
General elective [6] (see notes)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. Electives are offered subject to staff availability and minimum enrolment.			
2. Elective studies may be taken from within or outside the Faculty of Health Sciences, subject to availability and prerequisites. Students must discuss their electives with their academic adviser prior to enrolment. A list of electives available in the Faculty of Health Sciences is found in Chapter 19 of the handbook.			
3. General electives: students are required to enrol in ONE 6 credit points unit of study at the level of BACH2xxx or above which they have not completed in their pass degree. This should be negotiated with their research supervisor and the honours coordinator.			
Research support electives			
BACH4056 **Qualitative Research Methods**	6		Semester 2
BACH4057 **Survey Research Methods**	6		Semester 1 Semester 2

9. 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 and requires an extra year of study.
- The Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition) 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 point average is required for progression to the fifth (honours) year.
- The Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing is four years full-time study. A credit average 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 22 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 22 for further information on postgraduate coursework degrees.
- The Master of Exercise and Sport Science (Sports Performance) and the Master of Exercise and Sport Science (Clinical Exercise Science) provide specialisation for careers in sport or the clinical setting. See Chapter 22 for further information on postgraduate coursework degrees.
- Research masters and PhD degrees are specially offered to facilitate a student's research program. A broad range of research areas are available in the discipline: physical activity and nutrition, exercise physiology, sports biomechanics, biomechanical modelling, motor control and learning, preventive healthcare, clinical exercise and childhood, geriatric health care, functional anatomy, sports nutrition, muscle function, exercise sleep and circadian rhythm, healthy ageing and rehabilitation. See Chapter 31 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 University accredited program by the Australian Association for Exercise and Sport Science.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au

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 UAI 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. See Chapter 3 for details about general admission requirements.

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 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 for Physics, if desired. See Chapter 3 for details of bridging courses.

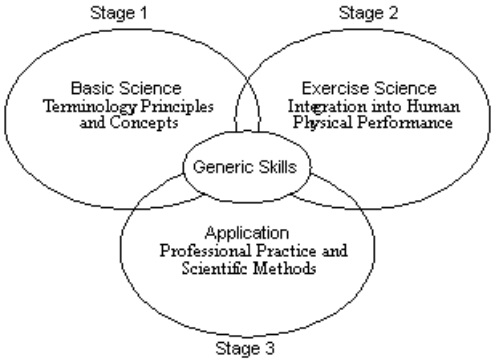
About the course

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 study of 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.

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 student's capacity and enthusiasm for life long 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 student's 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, skills in computing and analysis, scientific writing and public speaking.

Course structure



Professional experience

Students must complete a minimum of 140 hours of approved professional experience (Practicum) by the end of 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 (Australian Association for Exercise and Sport Science). The student will develop professional skills and competencies, and an appreciation of the responsibilities and commitments of the workplace.

Workload

In the Faculty of Health Sciences, 1 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 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 Australian Association of Exercise and Sport Science.

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 one year of study and who have a credit grade average. For further information contact +61 2 9351 9161.

Course outline

The course outlines for the Bachelor of Applied Science (Exercise and Sport Science) pass and honours are presented in Tables 9.1, 9.2 and 9.2.1. Units of study are described in Chapter 19.

Table 9.1: Bachelor of Applied Science (Exercise and Sport Science) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH088: Pass course; full-time, 3 years			
Year 2 (last offered in 2009)			
Semester 1			
BIOS2098 Body Systems: Structure & Function II	3	**A** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA or CHEM1001 Fundamentals of Chemistry 1A	Semester 1
EXSS2016 Motor Control	3	**P** BIOS1137 Introductory Neuroscience	Semester 1
EXSS2017 Biochemistry of Exercise	6	**P** EXSS1031 Cell Metabolism and Biochemistry	Semester 1
EXSS2018 Biomechanical Analysis of Movement	6	**P** EXSS1018 Biomechanics of Human Movement	Semester 1
EXSS2019 Exercise Physiology - Acute Responses	6	**A** BIOS1133 Body Systems: Structure and Function I, either EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles of Exercise Science	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2021 Nutrition, Health and Performance	6	**P** EXSS2017 Biochemistry of Exercise	Semester 2
EXSS2022 Exercise Physiology Training Adaptations	6	**A** EXSS2017 Biochemistry of Exercise or BCHM2072 Human Biochemistry **P** EXSS2019 Exercise Physiology - Acute Responses	Semester 2
EXSS2025 Motor Control and Learning	6		Semester 2
EXSS2026 Growth, Development and Ageing	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (last offered in 2010)			
Semester 1			
EXSS3023 Exercise Testing and Prescription	6	**A** EXSS2022 Exercise Physiology Training Adaptations or EXSS2027 Exercise Physiology for Physicians	Semester 1
EXSS3024 Exercise, Health and Disease	6	**A** Either EXSS2027 Exercise Physiology for Clinicians or both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology Training Adaptations	Semester 1
EXSS3036 Research and Practice	6	**A** Basic biomechanics, physiological and motor learning principles, basic hypothesis training, elementary knowledge of exercise science industry	Semester 1
Elective [6] (see note below)			
Note			
Choose one elective (6 credit points each) 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			
Semester 2			
EXSS3027 Exercise and Rehabilitation	6	**A** EXSS2019 Exercise Physiology - Acute Responses, EXSS2022 Exercise Physiology Training, EXSS2027 Exercise Physiology for Clinicians **P** EXSS3024 Exercise, Health and Disease	Semester 2
Three electives [18] (see note below)			
Elective list			
Note			
Choose three electives (6 credit points each) from the following. The offering of any one of these elective units of study 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. At least one elective must be either EXSS3038 or EXSS3044. However, you do have the option to complete both.			
BACH3130 Sport, Society & Social Theory	6	**P** BACH1130 Foundations of Health Sociology/Introduction to Health Sociology or BACH1134 Health, Illness and Social Inquiry or BACH1161 Introductory Behavioural Health Sciences **N** BACH3081 Sociology of Sport	Semester 2
EXSS3037 Exercise Pharmacology & Immunology	6	**P** BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses	Semester 1
EXSS3038 Ergonomics	6	**A** BIOS1159 Functional Anatomy A - Exercise, BIOS1160 Functional Anatomy B - Exercise, EXSS1018 Biomechanics of Human Movement	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
EXSS3043 High Performance Coaching	6	**A** EXSS2016 Motor Control, EXSS2023 Growth, Development and Ageing, BACH1161 Introduction to Behavioural Science **N** EXSS1034 Sport Coaching	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
EXSS3044 **Biomechanics of Sports Techniques**	6		Semester 1
EXSS3046 **Clinical Exercise Practice**	6	**P** EXSS3023 Exercise Testing and Prescription, EXSS3024 Exercise, Health and Disease, EXSS3037 Exercise Pharmacology & Immunology **C** EXSS3027 Exercise and Rehabilitation, EXSS3038 Ergonomics *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 9.2: Bachelor of Applied Science (Exercise and Sport Science) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH088: Pass course; full-time, 3 years			
Year 1 (first offered in 2009)			
Semester 1			
BACH1161 **Introductory Behavioural Health Sciences**	6		Semester 1 Semester 2
BIOS1167 **Human Cell Biology**	6	**A** Basic Chemistry	Semester 1
BIOS1168 **Functional Musculoskeletal Anatomy A**	6		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** BIOS1168 Functional Musculoskeletal Anatomy A	Semester 1 Semester 2
BIOS1170 **Body Systems: Structure and Function**	6	**A** BIOS1167 Human Cell Biology or equivalent **N** BIOS1127 Body Systems I, BIOS1133 Body Systems: Structure & Function I, BIOS2098 Body Systems: Structure & Function II, BIOS2099 Body Systems II and Pharmacology	Semester 1 Semester 2
EXSS1032 **Fundamentals of Exercise Science**	6		Semester 2
HSBH1007 **Health Science and Research**	6		Semester 1
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
BIOS1171 **Neuroscience**	6	**N** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists	Semester 1 Semester 2
EXSS1029 **Muscle Mechanics and Training**	6	**A** BIOS1137 Introductory Neuroscience or BIOS1166 Neuroscience, one of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A, EXSS1031 Cell Metabolism and Biochemistry	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** EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles of Exercise Science **N** EXSS2017 Biochemistry of Exercise, EXSS2019 Exercise Physiology - Acute Responses	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2021 **Nutrition, Health and Performance**	6	**P** EXSS2017 Biochemistry of Exercise	Semester 2
EXSS2022 **Exercise Physiology Training Adaptations**	6	**A** EXSS2017 Biochemistry of Exercise or BCHM2072 Human Biochemistry **P** EXSS2019 Exercise Physiology - Acute Responses	Semester 2
EXSS2026 **Growth, Development and Ageing**	6		Semester 2
EXSS3023 **Exercise Testing and Prescription**	6	**A** EXSS2022 Exercise Physiology Training Adaptations or EXSS2027 Exercise Physiology for Physicians	Semester 1
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 2011)			
Semester 1			
EXSS2025 **Motor Control and Learning**	6		Semester 2
EXSS3024 **Exercise, Health and Disease**	6	**A** Either EXSS2027 Exercise Physiology for Clinicians or both EXSS2019 Exercise Physiology- Acute Responses and EXSS2022 Exercise Physiology Training Adaptations	Semester 1
Professional Practice [6]			
Elective [6] (see note below)			
Note			
Choose one or two electives (depending upon prior unit selection) 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			
Semester 2			
Four electives [24] (see note below)			
Elective list			
Note			
Choose three or four electives from the following. The offering of any one of these elective units of study 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. At least one elective must be either EXSS3038 or EXSS3044. However, you do have the option to complete both.			
BACH3130 **Sport, Society & Social Theory**	6	**P** BACH1130 Foundations of Health Sociology/Introduction to Health Sociology or BACH1134 Health, Illness and Social Inquiry or BACH1161 Introductory Behavioural Health Sciences **N** BACH3081 Sociology of Sport	Semester 2
EXSS3027 **Exercise and Rehabilitation**	6	**A** EXSS2019 Exercise Physiology - Acute Responses, EXSS2022 Exercise Physiology Training, EXSS2027 Exercise Physiology for Clinicians **P** EXSS3024 Exercise, Health and Disease	Semester 2
EXSS3037 **Exercise Pharmacology & Immunology**	6	**P** BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses	Semester 1
EXSS3038 **Ergonomics**	6	**A** BIOS1159 Functional Anatomy A - Exercise, BIOS1160 Functional Anatomy B - Exercise, EXSS1018 Biomechanics of Human Movement	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
EXSS3043 **High Performance Coaching**	6	**A** EXSS2016 Motor Control, EXSS2023 Growth, Development and Ageing, BACH1161 Introduction to Behavioural Science **N** EXSS1034 Sport Coaching	Semester 2
EXSS3044 **Biomechanics of Sports Techniques**	6		Semester 1
EXSS3046 **Clinical Exercise Practice**	6	**P** EXSS3023 Exercise Testing and Prescription, EXSS3024 Exercise, Health and Disease, EXSS3037 Exercise Pharmacology & Immunology **C** EXSS3027 Exercise and Rehabilitation, EXSS3038 Ergonomics *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 9.2.1: 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		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS4005 **Honours Thesis B**	24	**P** EXSS4004 Honours Thesis A	Semester 2

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

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

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 from this program will become qualified dietitians with expertise in general, 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 (e.g. heart disease, diabetes, hypertension) and disability.

Admission requirements

Admission to the combined degree Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) is competitive. Most applicants are considered on the basis of the UAI 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. See Chapter 3 for details about general admission requirements.

The Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) degree will appeal to you if you have a keen interest to further studies in science, particularly in the areas of biology, biochemistry, physiology and nutrition from a human perspective. The course is also appealing to those who are enthusiastic about nutrition, sport and physical activity. Although there are no subject requirements for entry into the course, students are assumed to possess knowledge equivalent to study of Biology, Chemistry and Mathematics at HSC level. Students would benefit from having also studied Physics and PDHPE. Students who have not recently completed studies in Biology, Chemistry and Mathematics are strongly advised to attend bridging courses prior to commencing the course. Bridging courses are also available for Physics, if desired. See Chapter 3 for details of bridging courses.

About the course

The combined degrees in 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 5-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 study of 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. Life long learning skills are developed as consistent with other programs offered in the discipline of Exercise and Sport Science.

This combined degree, Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) 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 (Australian Association for Exercise and Sport Science). The student will develop professional skills and competencies, and an appreciation of the responsibilities and commitments of the workplace.

In the 5th year of the program students will also complete a clinical placement in nutrition and dietetics (approximately 6 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 like public health promotion/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) above.

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 (e.g. lifestyle diseases such as obesity and non-insulin 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 the Australian Association of Exercise and Sport Science. Application for the course and for these graduates to be accredited as dietitians by the Dietitians Association of Australia is in preparation.

Honours

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: honours program in Nutrition and Dietetics, which includes six months of clinical placement or honours program in nutrition which is entirely research directed. However, admission to either fifth year of study is competitive and based on obtaining a SCIWAM of at least 65 in all of the NUTR units (NUTR2911, NUTR2912, NUTR3911, NUTR3921, NUTR3912, NUTR3922). 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 9.3 and 9.4. Units of study are described in Chapter 19.

Table 9.3: 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 fifth (honours) year, students must obtain a SCIWAM (see Glossary) of at least 65 and a grade of at least 65 in each of the following units: NUTR2911, NUTR2912, NUTR3911, NUTR3921, NUTR3912 and NUTR3922. Candidates who fail to maintain these results will be transferred to either the BSc, the BAppSc (ExSpSc) SH088 or the BAppSc (ExSpSc&Nutr) SH115.			
Year 2 (last offered in 2009)			
Semester 1			
BIOS1137 **Introductory Neuroscience**	3		Semester 1
BIOS2098 **Body Systems: Structure & Function II**	3	**A** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA or CHEM1001 Fundamentals of Chemistry 1A	Semester 1
EXSS2019 **Exercise Physiology - Acute Responses**	6	**A** BIOS1133 Body Systems: Structure and Function I, either EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles 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, PLNT2001, 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 prior to enrolling in this unit.*	Semester 1
NUTR2911 **Food Science Introductory (Advanced)**	6	**P** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **N** NUTR2901	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
EXSS1029 **Muscle Mechanics and Training**	6	**A** BIOS1137 Introductory Neuroscience or BIOS1166 Neuroscience, one of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A, EXSS1031 Cell Metabolism and Biochemistry	Semester 1 Semester 2
EXSS2022 **Exercise Physiology Training Adaptations**	6	**A** EXSS2017 Biochemistry of Exercise or BCHM2072 Human Biochemistry **P** EXSS2019 Exercise Physiology - Acute Responses	Semester 2
NUTR2912 **Nutritional Science Introductory (Adv)**	6	**A** NUTR2911 **P** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **N** NUTR2902	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (last offered in 2010)			
Semester 1			
EXSS2016 **Motor Control**	3	**P** BIOS1137 Introductory Neuroscience	Semester 1
EXSS2018 **Biomechanical Analysis of Movement**	6	**P** EXSS1018 Biomechanics of Human Movement	Semester 1
EXSS3023 **Exercise Testing and Prescription**	6	**A** EXSS2022 Exercise Physiology Training Adaptations or EXSS2027 Exercise Physiology for Physicians	Semester 1
EXSS3024 **Exercise, Health and Disease**	6	**A** Either EXSS2027 Exercise Physiology for Clinicians or both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology Training Adaptations	Semester 1
MATH1015 **Biostatistics**	3	**A** HSC Mathematics **N** MATH1005, MATH1905, STAT1021, STAT1022, ECMT1010, BIOM1003	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			
EXSS2025 **Motor Control and Learning**	6		Semester 2
EXSS2026 **Growth, Development and Ageing**	6		Semester 2
EXSS3027 **Exercise and Rehabilitation**	6	**A** EXSS2019 Exercise Physiology - Acute Responses, EXSS2022 Exercise Physiology Training, EXSS2027 Exercise Physiology for Clinicians **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 2011)			
Semester 1			
EXSS3037 **Exercise Pharmacology & Immunology**	6	**P** BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses	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** Credit average in NUTR2911 and NUTR2912 **N** NUTR3901	Semester 1
NUTR3921 **Methods in Nutrition Practice**	6	**P** Credit average in NUTR2911 and NUTR2912 **N** NUTR3901	Semester 1
MATH1011 **Life Sciences 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/MBLG2971or BCHM2071/2971 or BCHM2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) **N** BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 *BExSci/BSc(Nutrition) students successfully progressing though the combined degree meet the pre-requisites for this unit of study*	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 *BExSci/BSc(Nutrition) students successfully progressing though the combined degree meet the pre-requisites for this unit of study*	Semester 2
NUTR3912 **Community and Public Health Nutrition**	6	**P** Credit average in NUTR2911 and NUTR2912 **N** NUTR3902	Semester 2
NUTR3922 **Nutrition and Chronic Disease**	6	**P** Credit average in 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	*Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NUTR4002 **Clinical Nutritional Science B**	24	*Note: Department permission required for enrolment* *This unit of study will commence prior to the start of semester.*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
2. Students can exit here with BAppSc (Ex & Sport Sc) & BSc (Nut) with Honours in Nutrition and Dietetics			
or			
Year 5 (last offered in 2012)			
Semester 1			
NUTR4101 **Nutrition Research A**	12	*Note: Department permission required for enrolment*	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 & Sport Sc) & BSc (Nut) with Honours in Nutrition			

Table 9.4: 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 fifth (honours) year, students must obtain a SCIWAM (see Glossary) of at least 65 and a grade of at least 65 in each of the following units: NUTR2911, NUTR2912, NUTR3911, NUTR3921, NUTR3912 and NUTR3922. Candidates who fail to maintain these results will be transferred to either the BSc, the BAppSc (ExSpSc) SH088 or the BAppSc (ExSpSc&Nutr) SH115.			
Year 1 (first offered in 2009)			
Semester 1			
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
or			
6 credit points of Junior Chemistry subject to availability and timetabling restrictions			
and			
BACH1161 **Introductory Behavioural Health Sciences**	6		Semester 1 Semester 2
BIOS1168 **Functional Musculoskeletal Anatomy A**	6		Semester 1 Semester 2
EXSS1018 **Biomechanics of Human Movement**	6	**A** HSC mathematics	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
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
or			
6 credit points of Junior Chemistry subject to availability and timetabling restrictions			
and			
BIOS1169 **Functional Musculoskeletal Anatomy B**	6	**P** BIOS1168 Functional Musculoskeletal Anatomy A	Semester 1 Semester 2
BIOS1170 **Body Systems: Structure and Function**	6	**A** BIOS1167 Human Cell Biology or equivalent **N** BIOS1127 Body Systems I, BIOS1133 Body Systems: Structure & Function I, BIOS2098 Body Systems: Structure & Function II, BIOS2099 Body Systems II and Pharmacology	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			
Year 2 (first offered in 2010)			
Semester 1			
BIOS1171 **Neuroscience**	6	**N** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists	Semester 1 Semester 2
EXSS2019 **Exercise Physiology - Acute Responses**	6	**A** BIOS1133 Body Systems: Structure and Function I, either EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles 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, PLNT2001, 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 prior to enrolling in this unit.*	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
NUTR2911 **Food Science Introductory (Advanced)**	6	**P** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **N** NUTR2901	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
EXSS1029 **Muscle Mechanics and Training**	6	**A** BIOS1137 Introductory Neuroscience or BIOS1166 Neuroscience, one of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A, EXSS1031 Cell Metabolism and Biochemistry	Semester 1 Semester 2
EXSS2022 **Exercise Physiology Training Adaptations**	6	**A** EXSS2017 Biochemistry of Exercise or BCHM2072 Human Biochemistry **P** EXSS2019 Exercise Physiology - Acute Responses	Semester 2
NUTR2912 **Nutritional Science Introductory (Adv)**	6	**A** NUTR2911 **P** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **N** NUTR2902	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2011)			
Semester 1			
EXSS2018 **Biomechanical Analysis of Movement**	6	**P** EXSS1018 Biomechanics of Human Movement	Semester 1
EXSS3023 **Exercise Testing and Prescription**	6	**A** EXSS2022 Exercise Physiology Training Adaptations or EXSS2027 Exercise Physiology for Physicians	Semester 1
EXSS3024 **Exercise, Health and Disease**	6	**A** Either EXSS2027 Exercise Physiology for Clinicians or both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology Training Adaptations	Semester 1
MATH1011 **Life Sciences 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		Semester 2
EXSS2026 **Growth, Development and Ageing**	6		Semester 2
EXSS3027 **Exercise and Rehabilitation**	6	**A** EXSS2019 Exercise Physiology - Acute Responses, EXSS2022 Exercise Physiology Training, EXSS2027 Exercise Physiology for Clinicians **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 (first offered in 2012)			
Semester 1			
EXSS3037 **Exercise Pharmacology & Immunology**	6	**P** BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses	Semester 1
NUTR3911 **Nutritional Assessment Methods**	6	**P** Credit average in NUTR2911 and NUTR2912 **N** NUTR3901	Semester 1
NUTR3921 **Methods in Nutrition Practice**	6	**P** Credit average in NUTR2911 and NUTR2912 **N** NUTR3901	Semester 1
Applied Nutrition [6]			
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/MBLG2971or BCHM2071/2971 or BCHM2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) **N** BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 *BExSci/BSc(Nutrition) students successfully progressing though the combined degree meet the pre-requisites for this unit of study*	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 *BExSci/BSc(Nutrition) students successfully progressing though the combined degree meet the pre-requisites for this unit of study*	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
NUTR3912 **Community and Public Health Nutrition**	6	**P** Credit average in NUTR2911 and NUTR2912 **N** NUTR3902	Semester 2
NUTR3922 **Nutrition and Chronic Disease**	6	**P** Credit average in 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	*Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NUTR4002 **Clinical Nutritional Science B**	24	*Note: Department permission required for enrolment* *This unit of study will commence prior to the start of semester.*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
2. Students can exit here with BAppSc (Ex & Sport Sc) & BSc (Nut) with Honours in Nutrition and Dietetics			
or			
Year 5			
Semester 1			
NUTR4101 **Nutrition Research A**	12	*Note: Department permission required for enrolment*	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 & Sport Sc) & BSc (Nut) with Honours in Nutrition			

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

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 (e.g. 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

Students choosing to enrol in the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) course must enrol in the combined degree and transfer after the completion of at least two semesters. Admission requirements are therefore as stipulated for the combined degree.

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 (Australian Association for Exercise and Sport Science).

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 the Australian Association of Exercise and Sport Science. Application for the course and for these graduates to be accredited with general and public health nutrition qualifications, by the Dietitians Association of Australia, is in preparation.

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 9.5. Units of study are described in Chapter 19.

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

Table 9.5: 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			
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 8.3) 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 Table 9.3			
Honours program			
Year 5			
Semester 1			
EXSS4004 Honours Thesis A	24		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS4005 Honours Thesis B	24	**P** EXSS4004 Honours Thesis A	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

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

The Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing is a four year preregistration 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 broader range of skills and knowledge. Examples 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 (Australian Association for Exercise and Sport Science). 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 9.6. Units of study are described in Chapter 19.

Table 9.6: 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 1 (first offered in 2009)			
Semester 1			
BACH1161 Introductory Behavioural Health Sciences	6		Semester 1 Semester 2
BIOS1167 Human Cell Biology	6	**A** Basic Chemistry	Semester 1
BIOS1168 Functional Musculoskeletal Anatomy A	6		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** BIOS1168 Functional Musculoskeletal Anatomy A	Semester 1 Semester 2
BIOS1170 Body Systems: Structure and Function	6	**A** BIOS1167 Human Cell Biology or equivalent **N** BIOS1127 Body Systems I, BIOS1133 Body Systems: Structure & Function I, BIOS2098 Body Systems: Structure & Function II, BIOS2099 Body Systems II and Pharmacology	Semester 1 Semester 2
EXSS1032 Fundamentals of Exercise Science	6		Semester 2
EXSS2025 Motor Control and Learning	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (offered in 2009 only)			
Semester 1			
BIOS2098 Body Systems: Structure & Function II	3	**A** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA or CHEM1001 Fundamentals of Chemistry 1A	Semester 1
EXSS2016 Motor Control	3	**P** BIOS1137 Introductory Neuroscience	Semester 1
EXSS2027 Exercise Physiology for Clinicians	6	**A** EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1	Semester 1
NURS5003 Observation in Nursing Practice	6		Semester 1a
NURS5004 Applied Nursing Practice	6		Semester 1b
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2026 Growth, Development and Ageing	6		Semester 2
NURS5002 Social Contexts of Health	6		Semester 1 Semester 2
NURS5005 Biomedical Therapies and Nursing	6		Semester 2
NURS5006 Illness Experience and Nursing Care	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 2 (to be first offered in 2010)			
Semester 1			
BIOS1171 Neuroscience	6	**N** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists	Semester 1 Semester 2
EXSS2027 Exercise Physiology for Clinicians	6	**A** EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1	Semester 1
NURS5003 Observation in Nursing Practice	6		Semester 1a
NURS5004 Applied Nursing Practice	6		Semester 1b
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS2026 Growth, Development and Ageing	6		Semester 2
NURS5002 Social Contexts of Health	6		Semester 1 Semester 2
NURS5005 Biomedical Therapies and Nursing	6		Semester 2
NURS5006 Illness Experience and Nursing Care	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
EXSS3023 Exercise Testing and Prescription	6	**A** EXSS2022 Exercise Physiology Training Adaptations or EXSS2027 Exercise Physiology for Physicians	Semester 1
EXSS3024 Exercise, Health and Disease	6	**A** Either EXSS2027 Exercise Physiology for Clinicians or both EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology Training Adaptations	Semester 1
EXSS3042 Nutrition for Health, Exercise & Sport	6	**P** EXSS2027 Exercise Physiology for Clinicians	Semester 1
NURS5001 Nursing Concepts: Bodies and Boundaries	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS3027 Exercise and Rehabilitation	6	**A** EXSS2019 Exercise Physiology - Acute Responses, EXSS2022 Exercise Physiology Training, EXSS2027 Exercise Physiology for Clinicians **P** EXSS3024 Exercise, Health and Disease	Semester 2
EXSS3038 Ergonomics	6	**A** BIOS1159 Functional Anatomy A - Exercise, BIOS1160 Functional Anatomy B - Exercise, EXSS1018 Biomechanics of Human Movement	Semester 2
NURS5007 Mental Health Nursing Practice I	6	**C** NURS5008	Semester 2
NURS5008 Acute Care and Nursing Practice I	6	**P** NURS5004 **C** NURS5007	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4			
Semester 1			
NURS6001 Nursing Observations and Bio Parameters	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
NURS6002 Maternity, Child & Adolescent Nursing I	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
NURS6003 Nursing Care for Chronic Conditions	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
NURS6004 Nursing and the Politics of Health Care	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
NURS6005 Acute Care and Nursing Practice II	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 and NURS6001	Semester 2
NURS6006 Mental Health Nursing Practice II	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 2
NURS6007 Community Nursing	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 2
NURS6008 Inquiry and Research in Nursing	6	**P** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008	Semester 2

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

Notes

1. Students can EXIT following Year 1 and still complete Bachelor of Applied Science (Exercise and Sport Science) in 3 years.

2. Progression to the third and fourth years of this combined program requires a credit point average.

3. Students can EXIT following Year 2 and still complete the Bachelor of Applied Science (Exercise and Sport Science) in 3 years. In order to do this, they MUST declare their intention by the commencement of Year 3 and undertake the following units of study: EXSS2017, EXSS2018, EXSS3023, EXSS3024, EXSS3036, EXSS1029, EXSS2021, EXSS2022 and EXSS3027.

10. Health Informatics

Courses of study

From 2008, a professional qualification four year combined degree, the Bachelor of Health Sciences/Master of Health Informatics has replaced the previous Bachelor of Applied Science (Health Information Management) course. See Chapter 23 for further information on the combined degree.

There are three postgraduate coursework programs offered in the discipline of Health Informatics.

- The Master of Health Informatics degree, introduced in 2008, is designed 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. Students will be equipped with the required breadth and depth of knowledge, understanding and expertise in the design, implementation and use of information and communication technologies in health. The course is a graduate entry master's program for students who wish to pursue a career as a health informatics specialist or health informaticians.
- The Graduate Certificate of Health Science (Clinical Data Management) is designed to provide health professionals with a working knowledge of the management of clinical data used in clinical trials and other projects. The program is delivered in flexible mode with part distance delivery and part workshop presentations. On successful completion of the Graduate Certificate program in clinical data management, students may apply to articulate into the Master of Health Science (Clinical Data Management) with credit for units completed.
- The Master of Health Science (Clinical Data Management) offers advanced study in the design and management of clinical trials and other related projects. The course is suitable for data managers, health information managers and other health professionals working with, or planning to work with, clinical data and other health databases. This program is offered in flexible mode with one part of the program offered by distance and one part delivered via workshops and block mode teaching.

More information on the postgraduate coursework programs can be found in Chapter 23.

The postgraduate research degrees include Master of Applied Science (Health Information Management) and a PhD program. These programs provide graduates with an opportunity for research and scholarship in an area of study related to health information management. Research areas include electronic health information systems, health classification/terminologies and population health.

See Chapter 31 for information on research degrees offered by the Faculty of Health Sciences.

Professional information

Health information managers and health informaticians are key members of the health care team, responsible for the design, implementation and management of patient and facility-related health information. A career in health informatics provides a unique opportunity to combine an interest in medical science, information technology and management. The role of the health informatician is dynamic and involves close liaison with medical, nursing and allied health staff, administrative staff, bureaucrats and the public. Health informatics is an expanding field that offers a broad range of career opportunities and, due to the changing patterns of health care delivery, management, and advances in information technologies, qualified health informaticians are in demand. Jobs are interesting and challenging and graduates are rewarded with competitive salaries.

The Health Information Management Association of Australia officially represents the profession and promotes the continuing education of its members through regular seminars, workshops and conferences. All students enrolled in the Master of Health Informatics are eligible for student membership of the Association, and upon satisfactory completion of the degree, are eligible for full membership.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au/

Bachelor of Applied Science (Health Information Management)

No first year intake from 2007

Please note: The combined degrees of Bachelor of Health Sciences/Master of Health Informatics replace the Bachelor of Applied Science (Health Information Management) course. See Chapter 23 for more information on the combined degrees.

Honours

Students are advised to contact the course coordinator for specific information related to the Health Information Management honours program.

Course outline

The course outlines for the Bachelor of Applied Science (Health Information Management) pass and honours are presented in Tables 10.1 and 10.1.1. Units of study are described in Chapter 19.

Table 10.1: Bachelor of Applied Science (Health Information Management) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH096: Pass course; full-time, 4 years			
Year 4 (last offered in 2009)			
Semester 1			
BACH1147 Qualitative Health and Social Research	3		Semester 1 Semester 2
BACH2127 Health Policy and Service Delivery	3	**P** BACH1098 Introduction to Health Sociology or BACH1130 Foundations of Health Sociology	Semester 1 Semester 2
HIMT4050 Essentials of Classification B	6	**A** HIMT3060 Essentials of Classification A	Semester 1
HIMT4051 Financial Management in Health Services	6		Semester 1
HIMT4052 Contemporary Issues: Health Info A	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT4053 Contemporary Issues: Health Info B	12		Semester 2
HIMT4054 Professional Practice C	6	**P** HIMT3056 Management Principles and Practice B, HIMT3058 Professional Practice B	Semester 2
Professional elective [6] (see note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
Pass students are required to take professional electives (to the value of 6 credit points) in the specialist stream of their choice from the following disciplines: management or research units from Behavioural and Social Sciences in Health; information science or technology units from the School of Information Technologies; medical science units available in the Faculty of Health Sciences.			

Table 10.1.1: Bachelor of Applied Science (Health Information Management) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH127: Honours course; full-time, 4 years			
Year 4 (last offered in 2009)			
Semester 1			
HIMT4050 Essentials of Classification B	6	**A** HIMT3060 Essentials of Classification A	Semester 1
HIMT4052 Contemporary Issues: Health Info A	6		Semester 1
HIMT4055 Research Project I	12		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT4056 Research Project II	24		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Professional experience

Professional experience provides students with a variety of learning experiences which relate both to the theoretical content of the classroom and to their future professional career goals. A range of field-based activities are organised in selected learning sites which include hospitals, community care centres, research units and the Department of Health (NSW).

Identification badges

All students must wear identification badges during practical placements.

Clinical practice dates

Year 4

2 week intra-semester block, Semester 2

11. Indigenous Health Studies

Courses of study

The discipline of Indigenous Health Studies provides education in Indigenous health and community development for a range of health professionals at undergraduate and postgraduate levels and conducts and supervises research in Indigenous community health. The Bachelor of Health Science (Aboriginal Health and Community Development) is an innovative program designed to provide students with maximum recognition of prior learning and flexible course options. In Years 3 and 4 of the program, students may choose to specialise in one of four specialist streams (research, Indigenous mental health and counselling, primary health Care, health policy, planning and management) or choose individual units of study best suited to the needs of their workplace, community and individual interests. All students are required to complete core units of study in research, project development and evaluation and professional practice.

Two enabling programs are specifically offered for Indigenous students: The Aboriginal Health Science Preparatory Program is undertaken prior to formal enrolment in an undergraduate program, and the Aboriginal Health Science Support Program provides a 'reduced load' option making it possible for students to undertake the first year of their undergraduate program over two years.

The postgraduate Indigenous community health coursework programs are offered by off-campus mode. The Graduate Certificate/Master of Health Sciences (Indigenous Community Health stream) equip graduates for work in the areas of Indigenous health promotion, education and training, management and research. See Chapter 20 for further information on the graduate program.

Multiple research opportunities are available in the discipline of Indigenous Health Studies. Key research areas include community development, Indigenous environmental health and housing, Indigenous health and education, Indigenous men's health and leisure, Indigenous men's health and primary health care and health promotion. See Chapter 31 for information on the research degrees offered by the Faculty of Health Sciences.

Professional information

The discipline focuses on the health and community development needs of Aboriginal and Torres Strait Islander people. All the courses adopt a multidisciplinary approach to teaching and learning in the health sciences in order to prepare students for the very broad range of future employment opportunities available to graduates, including primary health care, health promotion, health education, community development, drug and alcohol, women's and men's health services, health policy and program planning and evaluation. A number of important principles underlie the courses offered in the discipline including promoting social justice, building community capacity, enhancing cultural understanding, developing Indigenous health professionals as agents of change, learning from the Indigenous community, adopting ethical approaches to professional practice in Indigenous health, and developing skills in ethical research in Indigenous health.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au/

Bachelor of Health Science (Aboriginal Health and Community Development)

No first year intake from 2008

Aboriginal Health and Community Development is a specialised field of community and health work. It involves the identification of health and health-related problems and the solutions to these problems within the context of the broader socio-economic development of Aboriginal communities. Community participation and initiative are strongly emphasised. Graduates from this course will be equipped to develop programs which meet the health and community development needs of Aboriginal people. They may work with specific client groups (such as in drug and alcohol or women's health services) or in broader health and community fields. Employment opportunities also exist in Aboriginal identified positions in health and community centres, in health promotion and education, and in a range of community development roles. The Bachelor of Health Science (Aboriginal Health and Community Development) course is a four year full-time block attendance program.

Course outline

The course outline for the Bachelor of Health Science (Aboriginal Health and Community Development) is presented in Table 11.1. Electives are listed in the table following. Unit of study descriptions are found in Chapter 19.

Table 11.1: Bachelor of Health Science (Aboriginal Health and Community Development) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH059: Pass course; full-time, 4 years, block attendance plus off-campus			
Year 3			
Semester 1			
Electives [18] (see note 1)			
SEMESTER 1 TOTAL: 18 CREDIT POINTS			
Semester 2			
AHCD3009 **Professional Practice III**	6	**P** AHCD2020 Professional Practice II *Note: Department permission required for enrolment*	Semester 2
Elective [6] (see note 1)			
Research elective [6] (see note 2)			
SEMESTER 2 TOTAL: 18 CREDIT POINTS			
Year 4			
Semester 1			
AHCD4001 **Indigenous Community Health Project B**	6	**A** Knowledge of project planning **P** AHCD3008 Indigenous Community Health Project A *Note: Department permission required for enrolment*	Semester 1 Semester 2
Electives [18] (see note 1)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
AHCD4002 **Professional Practice IV**	12	**P** AHCD3009 Professional Practice III *Note: Department permission required for enrolment*	Semester 1 Semester 2
Electives [12] (see note 1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Notes			
1. Pass students will choose 4 electives in Year 3 and 5 electives in Year 4. All electives are presented in related streams as outlined in the elective list below. Students may choose to specialise by selecting all electives from one stream, or may select across streams. Students may also choose electives from other discplines to a maximum of 3 units of study.			
2. Pass students will choose one research elective in Year 3 selected from the Research stream (see list below).			

Aboriginal Health and Community Development electives

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Electives are 6 credit points each, offered subject to sufficient demand and staff availability			
Counselling and Indigenous Mental Health stream			
AHCD4042 **Wellness**	6	**P** AHCD1032 Introduction to Counselling Skills *Note: Department permission required for enrolment*	Semester 1 Semester 2
Indigenous Community Development and Management stream			
AHCD4032 **Health Planning, Policy and Evaluation A**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
AHCD4053 **Human Rights and Social Justice**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
Primary Health Care and Health Promotion stream			
AHCD4014 **Current Issues in Health, Law & Medicine**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
AHCD4034 **Indigenous Community Health Promotion A**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
AHCD4035 **Primary Health Care III**	6	**P** AHCD2015 Primary Health Care II *Note: Department permission required for enrolment*	Semester 1 Semester 2
AHCD4049 **Skills for Teaching Health**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
Research stream			
AHCD4018 **Action Research**	6	**P** AHCD2022 Introduction to Health Research *Note: Department permission required for enrolment*	Semester 1 Semester 2

Aboriginal Health Science Support Program

This supplementary program is studied concurrently with a degree program. Students undertake a selection of the following units, based on an individual needs assessment conducted by Yooroang Garang, 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 their third year.

Admission requirements

Admission to the Aboriginal Health Science Support Program is dependent upon satisfying the eligibility criteria under the Cadigal Policy (see below). 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 Policy 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 11.2. Units of study are described in Chapter 19.

Table 11.2: 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 in the following sessions: Semester 1*	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.			

Cadigal program

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 Universities Admission Index (UAI) and under the Cadigal program the UAI 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.

Aboriginal Health Science Preparatory Program

Admission requirements

Admission to the Aboriginal Health Science Preparatory Program is based on an assessment (including interview) conducted by Yooroang Garang. It is expected that students who do not meet the eligibility criteria under the Cadigal Policy, may apply for entry to the Preparatory Program. However it should be noted that successful completion of the Preparatory Program does not guarantee a student a place in a degree course, but does provide them eligibility for selection under the Cadigal Policy. The Preparatory Program is open to students with an UAI lower than that needed under the Cadigal Program and mature age students over the age of 21.

Course outline

The course outline for the Aboriginal Health Science Preparatory Program is presented in Table 11.3. Units of study are described in Chapter 19.

Table 11.3: Aboriginal Health Science Preparatory Program

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SM013: Full-time; SM012: Full-time (block mode)			
Semester 1			
AHCD1058 Maths Workshop A	4	*Note: Department permission required for enrolment*	Semester 1
AHCD1059 Academic Skills Workshop A	4	*Note: Department permission required for enrolment*	Semester 1
AHCD1060 Human Biology Workshop A	4	*Note: Department permission required for enrolment*	Semester 1
AHCD1061 Aboriginal Studies A	4	*Note: Department permission required for enrolment*	Semester 1
AHCD1062 Anatomy Workshop A	4	*Note: Department permission required for enrolment*	Semester 1
AHCD1063 Behavioural Science Workshop A	4	*Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
AHCD1064 Mathematics Workshop B	4	*Note: Department permission required for enrolment*	Semester 2
AHCD1065 Academic Skills Workshop B	4	*Note: Department permission required for enrolment*	Semester 2
AHCD1066 Human Biology Workshop B	4	*Note: Department permission required for enrolment*	Semester 2
AHCD1067 Aboriginal Studies B	4	*Note: Department permission required for enrolment*	Semester 2
AHCD1068 Anatomy Workshop B	4	*Note: Department permission required for enrolment*	Semester 2
AHCD1069 Behavioural Science Workshop B	4	*Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

12. Medical Radiation Sciences

Courses of study

There are three streams in the discipline of Medical Radiation Sciences; diagnostic radiography, nuclear medicine, and radiation therapy. Undergraduate and postgraduate studies are available by coursework and research in all the three streams; some postgraduate courses are offered by off-campus mode. The Graduate Diploma and Master of Health Science (Medical Sonography) programs are available for those wishing to practise as sonographers. See Chapter 24 for details on graduate courses while Chapter 31 has 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 not only develop 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 utilises a range of modalities to provide images and data for the diagnosis and treatment of an injury or 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' for 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.

A medical sonographer is responsible for the production of diagnostic images and other information using ultrasound. Non-invasive investigations are performed using Doppler technology, enabling rapid diagnostic information to be obtained. Sonographers have a high level of autonomy and have the professional responsibility for performing a provisional diagnosis during an examination. They are required to acquire and selectively record appropriate images of the examination to facilitate a diagnosis.

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

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au/

Bachelor of Applied Science (Medical Radiation Sciences)

This course has three main streams: diagnostic radiography, nuclear medicine and radiation therapy.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Medical Radiation Sciences) course. The general admission requirements in Chapter 3 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. Advanced standing in some units will be given on the basis of successfully passing a challenge examination.

Honours

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

Course outline

The course outlines with its three streams and honours programs are presented in Tables 12.1 and 12.1.1. Units of study are described in Chapter 19.

Table 12.1: Bachelor of Applied Science (Medical Radiation Sciences) 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			
Course code SH117 (Nuclear Medicine): Pass course; full-time, 3 years			
Course code SH118 (Radiation Therapy): 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** Basic Chemistry	Semester 1
MRTY1031 **Medical Radiation Physics**	6	**A** HSC Physics, 2 unit Maths *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*	Semester 1
MRTY1032 **Preparation for Practice**	6	*The clinical placement component will be undertaken during semester break and must be completed prior to Semester 2*	Semester 1
SEMESTER 1 COMMON UNITS TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1161 **Introductory Behavioural Health Sciences**	6		Semester 1 Semester 2
BIOS1158 **Structure, Function and Disease B**	6		Semester 2
MRTY1036 **Health Physics and Radiation Biology**	6	**P** MRTY1031 Medical Radiation Physics	Semester 2
SEMESTER 2 COMMON UNITS TOTAL: 18 CREDIT POINTS			
and			
Diagnostic Radiography			
Semester 2			
MRTY1033 **Radiographic Practice 1**	6	**P** MRTY1032 Preparation for Practice	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
or			
Nuclear Medicine			
Semester 2			
MRTY1034 **Nuclear Medicine Practice 1**	6	**P** MRTY1032 Preparation for Practice	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
or			
Radiation Therapy			
Semester 2			
MRTY1035 **Radiation Therapy Practice 1**	6	**P** MRTY1032 Preparation for Practice	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
BACH2140 **Research Methods for Health Sciences**	6	*Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
SEMESTER 1 COMMON UNITS TOTAL: 6 CREDIT POINTS			
and			
Diagnostic Radiography			
Semester 1			
MRTY2080 **Radiographic Practice 2.1**	6	**P** MRTY1033 Radiographic Practice 1	Semester 1
MRTY2081 **Clinical Education 2.1DR**	6	**P** MRTY1033 Radiographic Practice 1 **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MRTY2082 **Radiographic Physics 2**	6	**P** MRTY1031 Medical Radiation Physics	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
or			
Nuclear Medicine			
Semester 1			
MRTY2083 **Nuclear Medicine Practice 2.1**	6	**P** MRTY1034 Nuclear Medicine Practice 1	Semester 1
MRTY2084 **Nuclear Medicine Physics 2**	6	**P** MRTY1031 Medical Radiation Physics	Semester 1
MRTY2085 **Clinical Education 2.1NM**	6	**P** MRTY1034 Nuclear Medicine Practice 1 **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 2* *The clinical placement component of this unit of study will be undertaken 6 weeks prior to Semester 1 commencing*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
or			
Radiation Therapy			
Semester 1			
MRTY2086 **Radiation Therapy Practice 2.1**	6	**P** MRTY1035 Radiation Therapy Practice 1	Semester 1
MRTY2087 **Radiation Therapy Physics 2**	6	**P** MRTY1031 Medical Radiation Physics	Semester 1
MRTY2088 **Clinical Education 2.1RT**	6	**P** MRTY1035 Radiation Therapy Practice 1 **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRTY2089 **Integrated Diagnosis and Treatment**	6		Semester 2
SEMESTER 2 COMMON UNITS TOTAL: 6 CREDIT POINTS			
and			
Diagnostic Radiography			
Semester 2			
MRTY2090 **Clinical Education 2.2DR**	6	**P** MRTY2081 Clinical Education 2.1DR **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
MRTY2091 **Clinical Education 2.3DR**	6	**P** MRTY2081 Clinical Education 2.1DR **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
MRTY2092 **Radiographic Practice 2.2**	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
or			
Nuclear Medicine			
Semester 2			
MRTY2093 **Clinical Education 2.2NM**	6	**P** MRTY2085 Clinical Education 2.1NM **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 1* *Satisfactory progress in the clinical achievements must be demonstrated in order to progress*	Semester 1 Semester 2
MRTY2094 **Clinical Education 2.3NM**	6	**P** MRTY2085 Clinical Education 2.1NM **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
MRTY2095 **Nuclear Medicine Practice 2.2**	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
or			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Radiation Therapy			
Semester 2			
MRTY2096 **Clinical Education 2.2RT**	6	**P** MRTY2088 Clinical Education 2.1RT **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
MRTY2097 **Clinical Education 2.3RT**	6	**P** MRTY2088 Clinical Education 2.1RT **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
MRTY2098 **Radiation Therapy Practice 2.2**	6	**P** MRTY2086 Radiation Therapy Practice 2.1	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3			
Semester 1			
MRTY3099 **Research in Medical Radiation Sciences**	6	**C** BACH2140 Research Methods for Health Sciences *Assessment is based on group work and peer evaluation*	Semester 1
MRTY3115 **Introductory Sonography**	6	**A** BIOS1155 Structure, Function and Disease A, BIOS1158 Structure, Function and Disease B *This unit of study assumes the student to be familiar with cross-sectional anatomy images*	Semester 1
SEMESTER 1 COMMON UNITS TOTAL: 12 CREDIT POINTS			
and			
Diagnostic Radiography			
Semester 1			
MRTY3105 **Radiographic Practice 3**	6	**A** MRTY2092 Radiographic Practice 2.2, MRTY2091 Clinical Education 2.3DR	Semester 1
MRTY3106 **Clinical Education 3DR**	6	**P** MRTY2091 Clinical education 2.3DR, MRTY2092 Radiographic Practice 2.2 **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
or			
Nuclear Medicine			
Semester 1			
MRTY3108 **Nuclear Medicine Practice 3**	6	**A** MRTY2095 Nuclear Medicine Practice 2.2, MRTY2094 Clinical Education 2.3NM **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status	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 *Note: Department permission required for enrolment in the following sessions: Semester 2* *All the required clinical achievements must be completed to pass this unit*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
or			
Radiation Therapy			
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 **N** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
MRTY3100 **Digital Imaging**	6	**A** Discipline specific Physics 2 (MRTY2082 Radiographic Physics 2, or MRTY2097 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
SEMESTER 2 COMMON UNITS TOTAL: 12 CREDIT POINTS			
and			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Diagnostic Radiography			
Semester 2			
MRTY3107 **Radiographic Physics 3**	6	**A** MRTY2082 Radiographic Physics 2	Semester 2
MRTY3118 **MR Theory**	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
or			
Nuclear Medicine			
Semester 2			
MRTY3110 **Nuclear Medicine Physics 3**	6	**A** MRTY2084 Nuclear Medicine Physics 2	Semester 2
MRTY3116 **CT for Nuclear Medicine Technologists**	6	*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)*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
or			
Radiation Therapy			
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.			
Radiation Therapy students may choose:			
Any MRS elective from the list below;			
or			
Any Faculty elective, subject to timetabling (see Chapter 19 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.			
MRS electives			
MRTY3102 **Medical Radiation Project**	6	**P** MRTY3099 Research in Medical Radiation Sciences	Semester 2
MRTY3104 **Medical Radiation Science Physics**	6	**P** MRTY2082 Radiographic Physics 2 or MRTY2084 Nuclear Medicine Physics 2 or MRTY2087 Radiation Therapy Physics 2	Semester 2
MRTY3117 **Diagnostic Imaging for Rad Therapists**	6		Semester 2

Table 12.1.1: Bachelor of Applied Science (Medical Radiation Sciences) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
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			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Semester 2			
MRTY4033 **Honours Thesis 1B**	24		Semester 2
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 Tables 12.1 and 12.1.1

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 part-time mode over two years; or full-time mode over one year. Students complete their honours thesis across four part-time semesters – i.e. two part-time semesters in Year 4 and two part-time semesters in Year 5; or two full-time semesters.

Clinical education

Essential components of clinical education take place during clinical placements in these courses (see Chapter 6). It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR) at least two months prior to attending their first clinical placement. Courses on CPR are available throughout the metropolitan and country regions.

Students are also required to undergo a criminal records check. Any student who does not receive clearance at criminal records check will not be able to attend clinical placements. Prior to undertaking any clinical placement, students must return a signed copy of the Prohibited Employment Declaration to Student Central (Cumberland).

If you have enquiries regarding this process please contact the Student Central (Cumberland) on +61 2 9351 9574. Please refer to the Clinical Education chapter contained within the handbook with regard to current requirements for vaccinations prior to and while attending clinical placement. Failure to follow the requirements may jeopardise fulfilling the course requirements.

It is highly likely that all students will be placed in two non-Sydney metropolitan clinical placements during the three years of the clinical program. The expenses for travel and accommodation costs associated with clinical placement must be met by the student. All students must wear a personal radiation monitor (PRM) that will be issued by the course/clinical coordinator. Students are responsible for exchanging the monitor when required and will incur a fine if late in exchanging or they lose their PRM. Information updates are provided on the faculty website (www.fhs.usyd.edu.au) and must be checked regularly.

Diagnostic Radiography

Clinical education provides an opportunity for the student to integrate the knowledge acquired in the professional units of study with the practical skills attained in the workplace. To broaden the student's clinical skills a variety of radiology centres will be accessed to enable a breadth of experience in procedures, examinations and equipment. Students will be required to demonstrate their clinical competency in specific contrast media procedures and all skeletal examinations during the three years of the course. Timing of the competencies is linked to the delivery of the theory involved in each competency as part of the academic program. At the conclusion of the course the student will have demonstrated competency at the level required to perform as a beginning practitioner in diagnostic radiography requiring minimal supervision.

During the clinical education program it is essential that students demonstrate an ability to empathise with the patient and understand the necessities for the examination or procedure being performed. Students are expected to interpret images and maintain optimum

radiographic quality. Throughout Years 2 and 3, the student's competence will be progressively monitored by University supervisors and assessed by authorised clinical assessors from the diagnostic radiography centres. By the end of the third year students must demonstrate the clinical competence required to perform as a diagnostic radiographer with minimum supervision.

Nuclear Medicine

Clinical education in Year 1 (1 week), Year 2 (18 weeks), and Year 3 (6 weeks) provides an opportunity for the student to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. The introduction of new procedures in clinical education is closely synchronised with the acquisition of the related theory in nuclear medicine. Students will be placed in a variety of nuclear medicine centres to give them a breadth of experience of procedures and instrumentation. By the middle of the clinical program, students will be able to perform routine procedures and data acquisition including computer analysis, reconstitution and dispensing of radiopharmaceuticals, and quality control in all areas, including planar instrumentation, single photon emission computerised tomography and radiopharmacy and will be aware of the role of the nuclear medicine technologist as a member of a multidisciplinary health care team. By the end of the clinical program, students will be able to perform complex routine clinical procedures. Students will also have observed and assisted with, but not shown competence at various non-routine procedures such as positron emission tomography, radiopharmaceutical cell labelling, in vivo tracer studies and bone mineral densitometry.

Throughout Years 2 and 3, the student's competence will be progressively monitored by University supervisors and assessed by authorised clinical assessors from the nuclear medicine centres. By the end of the third year students must demonstrate the clinical competence required to perform as a nuclear medicine technologist with minimum supervision. In total students spend 25 weeks on clinical placement over the three years of the degree program. All students are required to spend at least twelve (12) weeks away from the Sydney region. A list of currently approved nuclear medicine centres appears in the clinical education section of this handbook. Students are advised to plan ahead for at least two away from home placements.

Radiation Therapy

Clinical education in Year 1 provides a general introduction to the principles of patient care and to the role of the radiation therapist. Clinical education in Years 2 and 3 provides an opportunity for students to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. The introduction of new procedures in the clinical education units is closely synchronised with the acquisition of the related theory in the on-campus professional units of study. Students will be placed in a variety of radiation oncology centres to give them a breadth of experience of radiation therapy procedures and equipment.

By the end of Year 2, students will be able to perform simple routine treatment, simulation and planning procedures, will form an empathetic relationship with patients, and will be aware of the role of the radiation therapist as a member of a multi-disciplinary health care team.

By the end of Year 3, students will be able to perform more complex routine treatment, simulation and planning procedures for a range of electromagnetic and particulate radiations. In addition, students will have observed and assisted with, but not demonstrated competence in performing various non-routine procedures such as stereotactic radiosurgery, intra-operative radiation therapy, brachytherapy and total body irradiation.

Throughout Years 2 and 3, the student's competence will be progressively assessed by University supervisors and authorised clinical assessors from the radiation oncology centres. By the end of the third year students must demonstrate the clinical competence required to perform as a radiation therapist with minimum supervision.

Clinical education dates – Bachelor of Applied Science (Medical Radiation Sciences)

Diagnostic Radiography, Nuclear Medicine and Radiation Therapy

Year 1 clinical education placement

All Year 1 students undertaking the unit of study MRTY1032 Preparation for Practice will participate in 1 week of clinical placement, to be conducted in the vacation break after Semester 1.

Year 2 Clinical Education placements

Three clinical education placements will be conducted for all 3 streams of MRS in Year 2.

Clinical Education 2.1 will be conducted 6 weeks prior to Semester 1 commencing.
Clinical Education 2.2 will be conducted Weeks 1-6 of Semester 2.
Clinical Education 2.3 will commence Week 15 of Semester 2 and run for 6 weeks.

Year 3 Clinical Education placements

The Year 3 clinical education placement will be broken into 2 blocks. The first block will be conducted Weeks 1-3 of Semester 1, while the second block will be held Weeks 14-16 of Semester 1.

Uniforms

All students during clinical education placements must wear uniforms, identification badges and personal radiation monitors.

Female

The white faculty polo shirt, purchased from the Student Guild, worn with EITHER

- A navy blue skirt OR
- Navy blue trousers
- If stockings are worn they must be flesh, grey or white coloured
- Closed, flat-heeled leather shoes in black, navy blue or white (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

The length of skirts should be at least to the top of the knee.

Male

The white faculty polo shirt, purchased from the Student Guild, worn with navy trousers (not shorts) AND

- Closed shoes in black or brown leather (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

13. Occupational Therapy

Courses of study

The discipline of Occupational Therapy offers two undergraduate degrees:

- The Bachelor of Applied Science (Occupational Therapy) course offered on a full-time basis over four years. The course prepares students to practise as an occupational therapist
- The Bachelor of Health Science (Occupational Therapy) offered in Singapore as a conversion course to enable diplomates to attain a degree.

A graduate professional entry degree is also offered through:

- The Master of Occupational Therapy is an alternative professional entry pathway suitable for students with relevant undergraduate qualifications. See Chapter 25 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 stream that allows for specialisations in numerous areas, 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 20 for further information.

Research programs include:

- PhD studies
- Master of Applied Science

For further information on the research degrees offered by the faculty, see Chapter 31.

Professional information

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

Occupational therapists help to overcome barriers and create opportunities for people of all ages that 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, the activity may be too complex or demanding. New abilities, adapted techniques or assistive devices may be required. Occupational therapists help a diversity of clients in many different settings to optimise participation and meaning in their daily lives.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au/

Bachelor of Applied Science (Leisure and Health)

No first year intake from 2007
Continuing students seeking enrolment advice should contact the program coordinator.

Table 13.1: Bachelor of Applied Science (Leisure and Health) Off-campus

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH103: Pass course; off-campus/flexible mode, part-time, 6 years			
Year 6 (last offered in 2009)			
Semester 1			
BIOS3042 **Biological Sciences IIIA**	2		Semester 1
OCCP3071 **Professional Practice IIIE**	5	**P** OCCP3070 Professional Pactice IIID *Note: Department permission required for enrolment*	Semester 1
Elective [3] (see note)			
SEMESTER 1 TOTAL: 10 CREDIT POINTS			
Semester 2			
BIOS3043 **Biological Sciences IIIB**	2	**P** BIOS2096 Body Functions and Disease	Semester 2
OCCP3052 **Research Project in Leisure and Health**	4	*Note: Department permission required for enrolment* *This unit is only available to students after completion of 4 semesters (full-time equivalent) of the course*	Semester 2
OCCP3072 **Professional Practice IIIF**	6	**P** OCCP3071 Professional Practice IIIE *Note: Department permission required for enrolment* *This unit of study is for off-campus students only*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Note			
In consultation with the program coordinator, students in the final year will be required to select 3 credit points of electives from the Faculty, the wider University or other centre of tertiary study.			

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 on 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. The general admission requirements in Chapter 3 apply. 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 one and two 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) Pass and Honours are presented in Tables 13.2, 13.2.1 and 13.3. Units of study are described in Chapter 19.

Table 13.2: Bachelor of Applied Science (Occupational Therapy) Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH111: Pass course; full-time, 4 years			
Year 2 (last offered in 2009)			
Semester 1			
BACH1143 **Designing Health Research**	3		Semester 1 Semester 2
BIOS1139 **Functional Anatomy B**	3	**A** BIOS1136 Functional Anatomy A	Semester 1
BIOS1141 **Neuroscience II**	3		Semester 1
OCCP2041 **Human Occupations IIA**	3		Semester 1
OCCP2076 **OT Theory and Process II**	4		Semester 1
OCCP2077 **Occupations/Roles Across the Lifespan II**	3		Semester 1
OCCP2080 **Components of Occ Performance IIA**	5		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1145 **Quantitative Health and Social Research**	3	**A** Basic mathematics	Semester 1 Semester 2
BACH2127 **Health Policy and Service Delivery**	3	**P** BACH1098 Introduction to Health Sociology or BACH1130 Foundations of Health Sociology	Semester 1 Semester 2
BACH2128 **Cognition and Cognitive Impairment**	3	**A** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 2
BIOS1127 **Body Systems I**	3	**A** BIOS1126 Human Biology and Biochemistry	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
EXSS2015 **Kinesiology for Occupational Therapy**	3	**P** BIOS1136 Functional Anatomy A, BIOS1139 Functional Anatomy B	Semester 2
OCCP2042 **Human Occupations IIB**	3	**A** Child development	Semester 2
OCCP2044 **Components of Occ Performance IIB**	3		Semester 2
OCCP2081 **Professional Practice II**	3	**P** OCCP1094 Professional Practice I, OCCP1091 Components of Occupational Performance 1A	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (last offered in 2010)			
Semester 1			
OCCP3061 **Professional Practice IIIA**	12	**P** OCCP2081 Professional Practice II *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2 Summer Main
OCCP3065 **Professional Practice IIIB**	12	**P** OCCP2081 Professional Practice II *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2 Summer Main
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1147 **Qualitative Health and Social Research**	3		Semester 1 Semester 2
BACH2126 **Maladaptive Behaviours/Behaviour Change**	4	**A** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 1 Semester 2
EXSS3019 **Applied Physiology**	3		Semester 2
OCCP3032 **Occ Therapy Theory and Process III**	3		Semester 2
OCCP3064 **Human Occupations III**	3		Semester 2
OCCP3066 **Components of Occ Performance III**	5		Semester 2
Elective [3] (see note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (last offered in 2011)			
Semester 1			
Professional electives			
Students choose three professional electives of 8 credit points each from the following. Availability of electives may vary from year to year.			
OCCP4056 **OT in Learning & Co-ord Difficulties**	8		Semester 1
OCCP4062 **Community Based Rehabilitation**	8	*Note: Department permission required for enrolment*	Semester 1
OCCP4063 **Evaluation of OT Programs**	8		Semester 1
OCCP4068 **OT in Occ Health, Safety & Rehab**	8	**P** OCCP3064 Human Occupations III	Semester 1
OCCP4075 **Mental Health Interventions**	8	**A** OCCP1091 Components of Occ Performance IA, OCCP2044 Components of Occ Performance IIB, OCCP3066 Components of Occ Performance III	Semester 1
OCCP4076 **Technology for Living**	8	*Internet activity is required as part of this course*	Semester 1
OCCP4077 **Professional Elective - General**	8		Semester 1
OCCP4078 **People with Intellectual Disability**	8		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP4051 **Professional Practice IV**	24	**P** OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2 Summer Main
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 13.2.1: Bachelor of Applied Science (Occupational Therapy) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH112: Honours program; full-time, 4 years			
Year 2 (last offered in 2009)			
As per Pass course			
Year 3 (last offered in 2010)			
Semester 1			
OCCP3061 **Professional Practice IIIA**	12	**P** OCCP2081 Professional Practice II *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2 Summer Main
OCCP3065 **Professional Practice IIIB**	12	**P** OCCP2081 Professional Practice II *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2 Summer Main
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH2126 **Maladaptive Behaviours/Behaviour Change**	4	**A** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 1 Semester 2
EXSS3019 **Applied Physiology**	3		Semester 2
OCCP3029 **Honours Research Seminar I**	3		Semester 2
OCCP3032 **Occ Therapy Theory and Process III**	3		Semester 2
OCCP3064 **Human Occupations III**	3		Semester 2
OCCP3066 **Components of Occ Performance III**	5		Semester 2
Research elective [3] (see note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
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 Pactice 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 13.3: Bachelor of Applied Science (Occupational Therapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH135: Pass course; full-time, 4 years			
Year 1 (first offered in 2009)			
Semester 1			
HSBH1003 **Health, Behaviour and Society**	6	**N** BACH1130 Foundations of Health Sociology, BACH1132 Foundation of Psychology for the Health Sciences, BACH1133 Introduction to Health Psychology, BACH1134 Health, Illness and Social Inquiry	Semester 1
OCCP1096 **Understanding Occupation-People-Context**	6		Semester 1
OCCP1097 **Analysing Occupation and Performance**	6		Semester 1
Elective (non OT) [6] (see note 1)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Semester 2			
BIOS1168 Functional Musculoskeletal Anatomy A	6		Semester 1 Semester 2
OCCP1098 Teaching Occupations and Performance	6		Semester 2
OCCP1099 Occupational Peerformance: Healthcare 1	6		Semester 2
OCCP1100 Professional Practice I	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
Health, Science and Research 1 [6]			
Occupational Performance: Healthcare 2 [6]			
Occupational Performance: Home & Family [6]			
Professional Practice II [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1171 Neuroscience [6]			
Occupational Performance: Community [6]			
Occupational Performance: Child & Family [6]			
Elective (non-OT) [6] (see note 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2011)			
Semester 1			
OCCP3061 Professional Practice IIIA [12]			
OCCP3065 Professional Practice IIIB [12]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Occupational Performance: Education [6]			
Occupational Performance: Productivity [6]			
Occupational Performance: Retirement [6]			
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 13.2).			

Professional practice

Professional practice is an integral part of the occupational therapy and leisure and health programs. 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 5-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

Occupational Therapy students

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.

14. Orthoptics

Courses of study

A combined undergraduate/postgraduate course and a range of postgraduate courses are currently available.

Since 2007, a professional qualification consisting of a four year combined program, the Bachelor of Health Sciences/Master of Clinical Vision Sciences has been offered to replace the previous Bachelor of Applied Science (Orthoptics) course. The two year graduate entry Master of Orthoptics course is offered to students who have completed a bachelor's degree and who wish to gain eligibility to practise as orthoptists. This program is available only in on-campus mode. For information on the combined degree and the graduate entry program, see Chapter 26.

Research masters and PhD degrees are designed for students who wish to undertake research in an area of vision sciences. Research areas include binocular vision, clinical assessment, development of refractive error, eye movements, occupational vision standards, public health and vision, stroke and head injury rehabilitation and vision and driving. See Chapter 31 for further information on the research degrees offered by the Faculty of Health Sciences.

Professional information

Orthoptists are health professionals whose expertise includes investigation and management of ocular muscle dysfunction, the performance of special procedures for investigating ocular and neurological pathology, consultancy (particularly in the multi-disciplinary care of patients) and effective screening of vision problems before secondary complications occur. Orthoptic education places special emphasis on the management of the very young and the elderly, as these are groups in which problems of vision are of particular importance. Orthoptists are primarily employed within the major hospitals, in private ophthalmic practices and specialist clinics. The scope of professional practice is increasing as more graduates find employment in the wider community where expertise in visual health is required such as in rehabilitation settings, early childhood centres and with the aged. Graduates from the combined degrees in Bachelor of Health Sciences/Master of Clinical Vision Sciences and Master of Orthoptics will be eligible for registration with the Australian Orthoptic Board, membership of the Orthoptic Association of Australia and Orthoptic Associate membership of the Royal Australian and New Zealand College of Ophthalmologists.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au/

Bachelor of Applied Science (Orthoptics)

No first year intake from 2007

The combined degrees of Bachelor of Health Sciences/Master of Clinical Vision Sciences replace the previous Bachelor of Applied Science (Orthoptics) course. See Chapter 26 for more information about the combined degrees.

Honours

Students are advised to contact the course coordinator for specific information related to the Orthoptics honours program.

Course outline

The course outlines for the Bachelor of Applied Science (Orthoptics) pass and honours are presented in Tables 14.1 and 14.1.1. Units of study are described in Chapter 19.

Table 14.1: Bachelor of Applied Science (Orthoptics) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH099: Pass course; full-time, 4 years			
Year 4 (last offered in 2009)			
Semester 1			
BACH4047 Developing a Research Project	4	*Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
ORTH4020 Neurological Eye Movement Disorders	5	**A** Anatomy and physiology of the visual pathway with emphasis on the motor pathway; ORTH3054 Orbital and Restrictive Conditions **P** ORTH3055 Instrumentation III	Semester 1
ORTH4021 Orthoptics in Adult Practice	4	**A** Relevant ocular anatomy and systemic disease processes	Semester 1
ORTH4022 Orthoptics in Ophthalmic Practice	4		Semester 1
ORTH4023 Professional Studies	5	**A** All ocular motility/professional units of study	Semester 1
ORTH4024 Rehabilitation for Vision Impairment	3	**A** Relevant ocular anatomy and systemic disease processes	Semester 1
SEMESTER 1 TOTAL: 25 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Semester 2			
ORTH4026 **Clinical Project**	3	**A** Principles of research project design	Semester 2
ORTH4035 **Professional Practice IVA**	8	**P** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
ORTH4036 **Professional Practice IVB**	8	**P** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
ORTH4037 **Professional Practice IVC**	4	**P** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 23 CREDIT POINTS			

Table 14.1.1: Bachelor of Applied Science (Orthoptics) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH119: Honours course; full-time, 4 years			
Year 4 (last offered in 2009)			
Semester 1			
ORTH4020 **Neurological Eye Movement Disorders**	5	**A** Anatomy and physiology of the visual pathway with emphasis on the motor pathway; ORTH3054 Orbital and Restrictive Conditions **P** ORTH3055 Instrumentation III	Semester 1
ORTH4021 **Orthoptics in Adult Practice**	4	**A** Relevant ocular anatomy and systemic disease processes	Semester 1
ORTH4022 **Orthoptics in Ophthalmic Practice**	4		Semester 1
ORTH4023 **Professional Studies**	5	**A** All ocular motility/professional units of study	Semester 1
ORTH4027 **Professional Practice IVHA**	3	**P** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III	Semester 1
ORTH4028 **Research Report A**	3		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH4030 **Research Report B**	9		Semester 2
ORTH4045 **Professional Practice IVHBA**	5	**P** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies	Semester 2
ORTH4046 **Professional Practice IVHBB**	5	**P** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies	Semester 2
ORTH4047 **Professional Practice IVHBC**	5	**P** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Clinical Education

Clinical education comprises approximately one third of the course. Most of this occurs off-campus within the eye clinics in the public hospitals and in private practices sponsored by ophthalmologists; approximately 50 locations in all. Clinical experiences are supported by extensive online learning and specialised clinical tutorials. Clinical supervision is provided by clinicians and designated clinical supervisors. Opportunities exist for students to elect to do a country, interstate or overseas placement depending on availability.

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). St John's Ambulance courses on CPR are available through the metropolitan and country areas and are also offered by the Student Guild on campus at scheduled times. Prior to clinical attendance students must also have a criminal record check and be fully vaccinated as per Department of Health requirements.

Clinical practice dates

The clinical blocks for 2009 are scheduled as follows:

Year 4: July–November

Uniforms

Prior to attendance at clinical placement, students are required to purchase a clinical uniform and clinical equipment which they will be advised about on entry to the course.

15. 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 in NSW. See Chapter 27 for further information on the graduate entry program.
- The Master of Health Science (Physiotherapy) has specialist streams in cardiopulmonary physiotherapy, manipulative physiotherapy, neurological physiotherapy, paediatric physiotherapy and sports physiotherapy. This course is for students who hold a physiotherapy qualification and have at least two years clinical experience in one of the specialty areas. It is designed for physiotherapists who want to: advance their academic and clinical skills in a specialised physiotherapy area, promote a scientific approach to evaluation and practice, and foster and develop the role of physiotherapy in health care in a specialty area. See Chapter 27 for further information on this course.
- The research programs at masters and doctoral levels provide an opportunity of research and scholarship in specific areas of physiotherapy. The research projects cover several areas including the investigation of musculoskeletal, neurological and cardiopulmonary physiotherapy, breast cancer and clinical reasoning. Chapter 31 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 are regularly reviewed to ensure that each of the physiotherapy competencies formulated by the physiotherapy profession in Australia and other materials 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 skills, are necessary attributes of all graduates of higher education in this age of change. Graduates from the physiotherapy courses possess high capability of working in many different settings to promote health and facilitate rehabilitation. Work venues include generalist and specialist settings in city and rural regions, and in institutional, school, industrial and community contexts.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au/

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 these full-time programs are eligible for registration as physiotherapists with the NSW Physiotherapists Registration Board.

Admission requirements

There are no formal prerequisites for HSC candidates 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 3. Information on bridging courses offered at the Faculty of health Sciences campus at Cumberland is available online at: www.fhs.usyd.edu.au/future_students/undergrad/bridging/bridging.html while bridging courses offered at the Camperdown campus are found at: www.usyd.edu.au/fstudent/undergrad/study/ssm/bridging.

Applicants who are not sitting the current NSW HSC examination may be required to demonstrate other entry criteria (e.g. exceptional performance in a recognised undergraduate degree program in which they are currently enrolled or completion of a degree).

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.

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 15.1.1 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 Sharon Kilbreath, telephone +61 2 9351 9272.

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).

Honours students will be required to select four from the following five units of study offered in Semester 2 of Year 4:

- PHTY4096 Physiotherapy in Childhood
- PHTY4097 Physiotherapy in the Workplace
- PHTY4098 Physiotherapy in Recreation
- PHTY4099 Physiotherapy in the Community
- PHTY4100 Physiotherapy for Older People

Exemption: PHTY4109 Elective Studies

In addition, honours students will enrol in PHTY4101 Honours Research Dissertation.

Course outline

The course outlines for the Bachelor of Applied Science (Physiotherapy) pass and honours are presented in Tables 15.1, 15.1.1, 15.2 and 15.2.1. Units of study are described in Chapter 19.

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 coordinator. 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 15.1: Bachelor of Applied Science (Physiotherapy) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH095: Pass course; full-time, 4 years			
Year 2 (last offered in 2009)			
Semester 1			
BACH2126 Maladaptive Behaviours/Behaviour Change	4	**A** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 1 Semester 2
BIOS2099 Body Systems II and Pharmacology	4	**A** BIOS1130 Molecules and Energy	Semester 1
EXSS2024 Applied Physiology	5	**P** BIOS1133 Body Systems: Structure and Function I	Semester 1
PHTY2045 Evidence Based Physiotherapy	3	**P** BACH1143 Designing Health Research **C** BACH1145 Quantitative Health & Social Research or BACH1147 Qualitative Health & Social Research, PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement	Semester 1
PHTY2046 Professional Practice	4	**P** BACH1130 Foundations of Health Sociology, BACH1132 Foundations of Health Psychology **C** PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement	Semester 1
PHTY2047 Clinical Observation and Measurement	4	**P** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B (Physiotherapy), EXSS1026 Biomechanics A, EXSS1027 Biomechanics B **C** PHTY2045 Evidence Based Physiotherapy, PHTY2046 Professional Practice	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY2048 Cardiopulmonary Physiotherapy A	4	**P** BIOS1133 Body Systems: Structure and Function I **C** BIOS2099 Body Systems II and Pharmacology	Semester 2
PHTY2049 Neurological Physiotherapy A	6	**P** BIOS2103 Neuroscience for Physiotherapists, PHTY1021 Motor Performance and Learning **C** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement	Semester 2
PHTY2050 Musculoskeletal Physiotherapy A	8	**P** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B **C** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement, PHTY2051 Musculoskeletal Physiotherapy B	Semester 2
PHTY2051 Musculoskeletal Physiotherapy B	6	**P** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B **C** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement, PHTY2050 Musculoskeletal Physiotherapy A	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 (last offered in 2010)			
Semester 1			
PHTY3051 Cardiopulmonary Physiotherapy B	6	**P** EXSS2024 Applied Physiology, PHTY2048 Cardiopulmonary Physiotherapy A	Semester 1
PHTY3052 Neurological Physiotherapy B	4	**P** PHTY2049 Neurological Physiotherapy A	Semester 1
PHTY3053 Musculoskeletal Physiotherapy C	8	**P** PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B **C** PHTY3054 Musculoskeletal Physiotherapy D	Semester 1
PHTY3054 Musculoskeletal Physiotherapy D	6	**P** PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B **C** PHTY3053 Musculoskeletal Physiotherapy C	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY3055 Physiotherapy Practicum A	8	**P** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
PHTY3056 Physiotherapy Practicum B	8	**P** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
PHTY3057 Physiotherapy Practicum C	8	**P** PHTY2046 Professional Practice, PHTY2047 Clinical Observation & Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
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	Semester 1
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	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY4096 Physiotherapy in Childhood	4	**P** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and 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 and 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 and 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 and 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
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 15.1.1: 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	Semester 1
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	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Select four from the following five units of study:			
PHTY4096 Physiotherapy in Childhood	4	**P** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and 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 and 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 and 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 and Neurological Physio **C** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E	Semester 2
and			
PHTY4101 Honours Research Dissertation	8		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 15.2: Bachelor of Applied Science (Physiotherapy) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH137: Pass course; full-time, 4 years			
Year 1 (first offered in 2009)			
Semester 1			
BIOS1168 Functional Musculoskeletal Anatomy A	6		Semester 1 Semester 2
BIOS1170 Body Systems: Structure and Function	6	**A** BIOS1167 Human Cell Biology or equivalent **N** BIOS1127 Body Systems I, BIOS1133 Body Systems: Structure & Function I, BIOS2098 Body Systems: Structure & Function II, BIOS2099 Body Systems II and Pharmacology	Semester 1 Semester 2
EXSS1018 Biomechanics of Human Movement	6	**A** HSC mathematics	Semester 1
HSBH1003 Health, Behaviour and Society	6	**N** BACH1130 Foundations of Health Sociology, BACH1132 Foundation of Psychology for the Health Sciences, BACH1133 Introduction to Health Psychology, BACH1134 Health, Illness and Social Inquiry	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1169 Functional Musculoskeletal Anatomy B	6	**P** BIOS1168 Functional Musculoskeletal Anatomy A	Semester 1 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
BIOS1171 **Neuroscience**	6	**N** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists	Semester 1 Semester 2
EXSS1029 **Muscle Mechanics and Training**	6	**A** BIOS1137 Introductory Neuroscience or BIOS1166 Neuroscience, one of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A, EXSS1031 Cell Metabolism and Biochemistry	Semester 1 Semester 2
HSBH1007 **Health Science and Research**	6		Semester 1
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
EXSS2025 Motor Control and Learning [6]			
EXSS2027 Exercise Physiology for Clinicians [6]			
Professional & Evidence-Based Physio [6]			
Clinical Observation and Measurement [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Musculoskeletal Physiotherapy A [6]			
Musculoskeletal Physiotherapy B [6]			
Neurological Physiotherapy A [6]			
Cardiopulmonary Physiotherapy A [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2011)			
Semester 1			
Musculoskeletal Physiotherapy C [6]			
Musculoskeletal Physiotherapy D [6]			
Musculoskeletal Physiotherapy E [6]			
Neurological & Cardiopulmonary Physio A [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Physiotherapy Practicum A [6]			
Physiotherapy Practicum B [6]			
Physiotherapy Practicum C [6]			
Physiotherapy Practicum D [6]			
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 E [6]			
Physiotherapy Practicum F [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Physiotherapy in Childhood [6]			
Physiotherapy in the Workplace [6]			
Physiotherapy in Recreation [6]			
Physiotherapy for Older Persons [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 15.2.1: 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			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Year 4 (first offered in 2012)			
Semester 1			
As per SH137 Pass course			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Honours Dissertation [12]			
And select two from the following four units of study:			
Physiotherapy in Childhood [6]			
Physiotherapy in the Workplace [6]			
Physiotherapy in Recreation [6]			
Physiotherapy for Older Persons [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Clinical education

Clinical education provides students with the opportunity to complement the knowledge and skills acquired in the academic segments of the program. This is achieved through the assessment and treatment of patients in clinical settings under the supervision and guidance of clinical educators. Clinical education offers undergraduates the chance to integrate academic units and practical skills in a clinical setting thereby gaining experience in physiotherapy practice. Clinical education also provides opportunities for interprofessional learning.

During the undergraduate programs, students are allocated to one of five clinical schools. The five schools aligned with geographical areas are Northern Sydney, Central Sydney, Southeastern Sydney, Southwest Sydney and Western Sydney. For each school, rural areas and/or outer Sydney placements are incorporated as well as private practices and community facilities, which reside in the geographical regions designated to the particular school. Students complete clinical placements at sites mainly within their clinical school. All students are required to do at least one rural and/or regional placement. There may be opportunities for international placements.

In order to undertake Clinical Education students must:

1. obtain criminal record clearances
2. comply with the NSW Child Protection Act
3. comply with NSW Department of Health Policy Directives regarding immunisation and vaccination
4. comply with NSW Health Records and Information Privacy Act (2004) and complete declaration.

Information about these requirements is contained in Chapter 6, Clinical Education.

It is also a requirement that all physiotherapy students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown before commencing the first clinical placement in second year. For example, St John Ambulance programs on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted. CPR skills must be updated every 12 months.

Physiotherapy practicum dates

Year 2

In Semester 1 of Year 2, students will be assigned to clinical sites in the metropolitan region in order to undertake structured learning tasks related to three of their academic units in PHTY2047 Clinical Observation and Measurement, PHTY2046 Professional Practice and PHTY2045 Evidence-Based Physiotherapy. This will be called a Mentored Clinical Placement. Attendance at the assigned clinical site will be compulsory for one day per week over 6 weeks (commencing the week beginning 27 April 2009).

Year 3

27 July to 28 August
7 September to 9 October
19 October to 20 November

Year 4 Pass/Honours

13 April to 15 May
25 May to 26 June

Uniform requirements for clinical practice

- Navy tailored trousers (straight legs)
- White short sleeved open neck shirt or Physiotherapy polo shirt with University insignia (as supplied by the Cumberland Student Guild)
- Black, or dark brown work shoes
- Navy cardigan/jumper
- Monotone coloured socks, either navy, black or white
- Approval for males and females to wear navy tailored long shorts is the clinical site's decision. It is the student's responsibility to get approval from the clinical site prior to wearing shorts. The clinical site's decision is final.
- Students with special consideration due to religious and or cultural circumstances can discuss changes to the uniform requirements with their practicum coordinator.

16. Rehabilitation Counselling

Bachelor of Health Science (Rehabilitation Counselling)

No first year intake from 2007

Please note: The combined degrees of Bachelor of Health Sciences/Master of Rehabilitation Counselling replace the previous Bachelor of Health Science (Rehabilitation Counselling) course. See Chapter 28 for more information about the combined degree.

Course outline

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) pass and honours are presented in Tables 16.1 and 16.1.1. Unit descriptions and a list of faculty electives are found in Chapter 19.

Table 16.1: Bachelor of Health Science (Rehabilitation Counselling) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH085: Pass course; full-time, 4 years			
Year 4 (last offered in 2009)			
Semester 1			
BACH1145 Quantitative Health and Social Research	3	**A** Basic mathematics	Semester 1 Semester 2
REHB4009 Rehabilitation Counselling IV	3	**P** REHB3043 Rehabilitation Counselling IIIB	Semester 1
REHB4021 Professional Practice IVA	3		Semester 1
Electives [15] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB4022 Professional Practice IVB	24	*Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 16.1.1: Bachelor of Health Science (Rehabilitation Counselling) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH091: Honours course; full-time, 4 year			
Year 4 (last offered in 2009)			
Semester 1			
REHB4009 Rehabilitation Counselling IV	3	**P** REHB3043 Rehabilitation Counselling IIIB	Semester 1
REHB4019 Thesis A	7		Semester 1
REHB4024 Professional Practice IVHA	8	**P** Either REHB1006, or REHB1008 Professional Practice IA and REHB1009 Professional Practice IB; either REHB2018, or REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB; REHB3049 Professional Practice IIIA, REHB3050 Professional Practice IIIB	Semester 1
Research elective [3] (see elective list below)			
Elective [3] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB4025 Professional Practice IVHB	16	**P** REHB1006 Professional Practice 1, or REHB1008 Professional Practice IA and REHB1009 Professional Practice IB, REHB2018 Professional Practice IIB, or REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB, REHB3049 Professional Practice IIIA, REHB3050 Professional Practice IIIB	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
REHB4026 Thesis B	8	**P** REHB4019 Thesis A	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Electives for Bachelor of Health Science (Rehabilitation Counselling)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Electives – Year 4			
The offering of these electives will depend on availability of staff and student demand. To complete the requirements of the Pass course, students must complete 21 credit points of electives. Two (2) Group A units must be completed. In addition to the electives listed here, electives available in the Faculty of Health Sciences are listed in Chapter 19 of the handbook. Students must discuss their electives with their Rehabilitation Counselling program coordinator to determine suitability prior to enrolment.			
Honours students are required to complete one (1) Group A elective and one (1) research elective in the fourth year.			
Group A			
REHB3056 Rehab of Persons with Hearing Loss	3		Semester 1 Semester 2
REHB3062 Public Offenders: Criminality & Rehab	6	**N** REHB3051 Rehabilitation of Public Offenders	Semester 1 Semester 2
REHB3064 Alcohol and Drug Misuse Rehabilitation	6	**N** REHB3061 Rehabilitation and Substance Abuse	Semester 1 Semester 2
REHB3065 PTSD and Rehabilitation	6	**N** REHB3059 Rehabilitation and PTSD	Semester 1
REHB3066 Chronic Pain: Disability and Rehab	6	**N** REHB3060 Chronic Pain and Rehabilitation	Semester 2
REHB3067 Acquired Brain Injury Rehabilitation	6	**A** Basic understanding of anatomy of the brain and human behaviour and cognition patterns **N** REHB3053 Acquired Brain Injury Rehabilitation	Semester 1
REHB3069 HIV/AIDS: Developments in Rehabilitation	6		Semester 2
Group B			
BACH3095 Ageing Society and Professional Practice	3	**A** BACH1098 Introduction to Health Sociology	Semester 2
BACH3096 Older People in the Community	3	**A** BACH1098 Introduction to Health Sociology	Semester 1
BACH3132 Contemporary Issues in Health & Medicine	3	*Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
BACH3133 Health Planning, Policy and Evaluation	3		Semester 2
BACH3146 Cyberpsychology and e-Health	6		Semester 2
BIOS4035 Sexuality for Health Professionals	3	*This elective is only available to students in Year 2 or higher*	Semester 1 Semester 2
EXSS3041 Management, Marketing and the Law	6		Semester 2
Research electives			
BACH1145 Quantitative Health and Social Research	3	**A** Basic mathematics	Semester 1 Semester 2
BACH4045 Qualitative Research Methods	3		Semester 2

Field experience and professional practice

Field experience is an essential component in the overall process of developing professional competence and identity as a rehabilitation counsellor. It not only provides students with an opportunity to apply, integrate, reinforce and assess theoretical learning, but also allows them to appreciate the way in which rehabilitation counsellors and other allied professionals contribute to the effectiveness of the rehabilitation process.

Field placements are provided in a wide variety of rehabilitation and related health, welfare, vocational and independent living services in both the public and private sectors.

The objectives of field experience are that the students be provided with opportunities to:

- develop competence and professional identity as rehabilitation counsellors

- integrate theory taught at the University with practice learnt in the field. Field experience provides the context where all segments of the coursework merge and gain meaning
- develop an understanding of the values and principles of rehabilitation counselling practice as applied in different fields/levels of rehabilitation service provision
- develop knowledge and skills in various rehabilitation counselling methods and related activities under the guidance, supervision and support of experienced practitioners in the service delivery environment
- develop confidence, independence and autonomy as practitioners.

These objectives are fulfilled by placement blocks of supervised field practice complemented by agency visits, and where possible supported by seminars and tutorials. It is essential that at least one placement be supervised by a practising/qualified rehabilitation counsellor in a vocational setting.

All students are required to complete 1000 hours of supervised field practice over the four year program in the professional practice units. This includes block field placements to be undertaken during the inter-semester breaks in Years 2 and 3, and during Semester 2 in Year 4.

Fieldwork placements will normally occur during the working hours of professional rehabilitation counsellors – generally 9am to 5pm Monday to Friday. If these times are unsuitable for a student, it is the responsibility of the student to find an alternative placement agency and to have the agency and the terms of the placement endorsed by the Rehabilitation Counselling professional practice coordinators.

Field placements are arranged by the coordinators of professional practice who are responsible for the overall coordination, monitoring and supervision of the field practice program. As far as practicable, the student's areas of interest and career goals are given consideration in the planning of their field placements.

Field placement dates

Year 4

A 10 week (350 hours) block placement during Semester 2. Students are required to attend University in the weeks prior to placement and complete appropriate assignments while on placement. This placement aims to integrate all subjects studied into practical experience and students are expected to work independently with supervision from placement advisers and the University supervisor.

17. 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 for speech pathology

For students who want to gain a speech pathology professional qualification you can study at either the bachelor or master level:

- 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 and 4 year part-time postgraduate degree which also qualifies you to practise as a speech pathologist.

Related undergraduate study

Students wishing to study human communication can enrol in the Bachelor of Health Science with a Hearing and Speech second major. (See Chapter 7 for further information.) This degree does not qualify you to practise as a speech pathologist but provides students 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).

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 29 of the 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 in varied backgrounds who wish to undertake research in an area of communication sciences and/or disorders. Research areas include aphasia, dysarthria, dysphagia, language development/disorders, craniofacial anomalies, acoustic analysis of speech and stuttering.

For further information on the research degrees, see Chapter 31.

Professional information

The Faculty of Health Sciences oversees one 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 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. Successful completion of the BHSci with a hearing and speech second major with at least a credit average will provide entry into 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 MSLP is available as a full-time (2 years) or part-time (4 years) program. Students must hold a bachelor's degree in a related area to apply for entry into the MSLP. Enrolling students should note that the course requirements are spread across approximately 44 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 has been accredited by Speech Pathology Australia.

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 course 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. In both of these master's research degrees, 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.

Special clinical, teaching, and research relationships exist between the faculty and speech pathology departments in external sites that are designated as Clinical Affiliates. The University of Sydney Clinical Affiliates are the speech pathology services of: Bankstown Hospital, Hornsby-Ku-ring-gai Hospital and Community Health Services, Liverpool Health Services, St Joseph's Hospital, Royal Prince Alfred Hospital, Aspect Australia, the Spastic Centre and, internationally, Singapore General Hospital.

Further information

Telephone: +61 2 9351 9161
Website: www.fhs.usyd.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) course.

Students enrolling 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 coordinator or the respective year coordinators.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Speech Pathology) course. The University of Sydney's general admission requirements, outlined in Chapter 3, apply. 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.

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 17.1, 17.1.1, 17.2 and 17.2.1. Unit of study descriptions and a list of faculty electives are found in Chapter 19.

Table 17.1: Bachelor of Applied Science (Speech Pathology) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH040: Pass course; full-time, 4 years			
Year 3 (last offered in 2009)			
Students at the beginning of Year 3 will be assigned to either Group A or B for Clinic units of study.			
Semester 1			
BACH1145 Quantitative Health and Social Research	3	**A** Basic mathematics	Semester 1 Semester 2
BACH3056 Patient Management Theories/Applications	5	**P** BACH1132 Foundations of Health Psychology, BACH1159 Cognitive Factors in Health, BACH2126 Maladaptive Behaviours/Behaviour Change	Semester 1
CSCD3023 Neurogenics II	4	**A** CSCD2047 Neurogenics I	Semester 1
CSCD3024 Communication and Lifelong Disability	3	**P** CSCD1028 Normal Communication Development	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
CSCD3032 **Professional Development III**	3	**A** CSCD2049 Introductory Clinical II or CSCD2054 Communication Fieldwork II **P** CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I, CSCD2052 Professional Development IIB	Semester 1
CSCD3037 **Swallowing Impairments**	2	**P** BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS1117 Speech Science II	Semester 1
and			
CSCD3063 **Intermediate Clinical IA**	4	**P** CSCD2040 Audiology I, CSCD2042 Language Impairments in Children II, CSCD2049 Introductory Clinical II *Note: Department permission required for enrolment in the following sessions: Semester 2* *Department permission required for enrolment in Semester 2*	Semester 1 Semester 2
or			
CSCD3065 **Intermediate Clinical IB**	4	**P** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1031 **Clients, Practitioners and Organisations**	3	**A** BACH1130 Foundations of Health Sociology	Semester 2
BACH1148 **Health, Attitudes and Interaction**	3	**P** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 2
BACH3055 **Cognitive Neuropsychology II**	3	**P** BACH2109 Cognitive Neuropsychology I	Semester 2
CSCD3034 **Craniofacial Anomalies**	3	**A** BIOS1116 Speech Science I and BIOS1117 Speech Science II, or CSCD2030 Voice Science and Disorders	Semester 2
CSCD3036 **Language Impairments in Children III**	2	**A** CSCD2049 Introductory Clinical II **P** CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II	Semester 2
CSCD3049 **Audiological Management II**	2	**A** CSCD1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I **P** CSCD2040 Audiology I	Semester 2
and			
CSCD3064 **Intermediate Clinical IIA**	8	**P** CSCD2030 Voice Science and Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD3063 Intermediate Clinical IA, BIOS2062 Neurology II: Communication Disorders *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
or			
CSCD3066 **Intermediate Clinical IIB**	8	**P** CSCD3065 Intermediate Clinical IB, BIOS2062 Neurobiology II: Communication Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD2030 Voice Science and Disorders *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4: Clinical/Professional Year (last offered in 2010)			
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 units of study with the alpha 'A' in the names of the units (eg, 'Advanced Topics A') while students in Group B enrol in units of study containing the alpha 'B' in the name (eg, 'Advanced Topics B').			
Group A			
Semester 1			
CSCD4026 **Advanced Topics A**	6	**P** CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments	Semester 1
CSCD4027 **Professional Development IVA**	6	**P** CSCD3032 Professional Development III, CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 1
CSCD4028 **Advanced Clinical IA**	10	**P** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 1
CSCD4042 **Clinical Mentoring A**	2	**C** CSCD4028 Advanced Clinical IA	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD4047 **Advanced Clinical IIA: Adult**	12	**P** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 2
CSCD4048 **Advanced Clinical IIA: Child**	12	**P** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Group B			
Semester 1			
CSCD4049 **Advanced Clinical IIB: Adult**	12	**P** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CSCD4050 Advanced Clinical IIB: Child	12	**P** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD4030 Advanced Topics B	6	**P** CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments	Semester 2
CSCD4031 Professional Development IVB	6	**P** CSCD3032 Professional Development III, CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 2
CSCD4032 Advanced Clinical IB	10	**P** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB	Semester 2
CSCD4043 Clinical Mentoring B	2	**C** CSCD4032 Advanced Clinical IB	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
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 17.1.1 Bachelor of Applied Science (Speech Pathology) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH046: Honours program; full-time, 4 years			
Year 3 (last offered in 2009)			
Semester 1			
BACH1145 Quantitative Health and Social Research	3	**A** Basic mathematics	Semester 1 Semester 2
BACH3056 Patient Management Theories/Applications	5	**P** BACH1132 Foundations of Health Psychology, BACH1159 Cognitive Factors in Health, BACH2126 Maladaptive Behaviours/Behaviour Change	Semester 1
CSCD3023 Neurogenics II	4	**A** CSCD2047 Neurogenics I	Semester 1
CSCD3024 Communication and Lifelong Disability	3	**P** CSCD1028 Normal Communication Development	Semester 1
CSCD3037 Swallowing Impairments	2	**P** BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS1117 Speech Science II	Semester 1
CSCD3050 Intermediate Clinical IH	4	**P** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
CSCD3051 Honours Research Seminar I	2		Semester 1
CSCD3052 Professional Development IIIH	1	**A** CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II **P** CSCD2052 Professional Development IIB, CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1031 Clients, Practitioners and Organisations	3	**A** BACH1130 Foundations of Health Sociology	Semester 2
BACH1148 Health, Attitudes and Interaction	3	**P** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 2
BACH3055 Cognitive Neuropsychology II	3	**P** BACH2109 Cognitive Neuropsychology I	Semester 2
CSCD3034 Craniofacial Anomalies	3	**A** BIOS1116 Speech Science I and BIOS1117 Speech Science II, or CSCD2030 Voice Science and Disorders	Semester 2
CSCD3036 Language Impairments in Children III	2	**A** CSCD2049 Introductory Clinical II **P** CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II	Semester 2
CSCD3049 Audiological Management II	2	**A** CSCD1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I **P** CSCD2040 Audiology I	Semester 2
CSCD3053 Intermediate Clinical IIH	7	**P** CSCD2030 Voice Science and Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD3050 Intermediate Clinical IH, BIOS2062 Neurobiology II: Communication Disorders *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
CSCD3054 Honours Research Seminar II	1	**P** CSCD3051 Honours Research Seminar I	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: Clinical/Professional Year (last offered in 2010)			
Semester 1			
CSCD4035 Advanced Clinical IH	22	**P** CSCD3053 Intermediate Clinical IIH	Semester 1 Semester 2
CSCD4036 Professional Development IVH	2	**P** CSCD3052 Professional Development IIIH, CSCD3053 Intermediate Clinical IIH	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD4037 Advanced Clinical IIH	12	**P** CSCD3053 Intermediate Clinical IIH	Semester 1 Semester 2
CSCD4038 Honours Thesis	10	**P** CSCD3051 Honours Research Seminar I, CSCD3054 Honours Research Seminar II, satisfactory performance in all Year 3 units of study	Semester 2
CSCD4044 Clinical Mentoring H	2	**C** CSCD4037 Advanced Speech Pathology Clinical IIH	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 17.2: 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** Basic Chemistry	Semester 1
CSCD1030 Clinical Linguistics	3	**A** Knowledge of traditional grammar *Students must pass this unit in order to enrol in clinical units in Year 2. Students without a sound knowledge of formal traditional grammar are encouraged to undertake the Grammar bridging course*	Semester 1 Summer Main
CSCD1031 Clinical Phonetics & Articulation	3	*Students must pass this unit in order to enrol in clinical units in Year 2*	Semester 1 Summer Main
CSCD1032 Human Communication	6	*Students must pass this unit in order to enrol in clinical units in year 2*	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1165 Psychology and Cognitive Factors (Intro)	6		Semester 2
BIOS1165 Hearing Science and Audiology	6	**A** BIOS1116 Speech Science I or 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 *Students who have not completed Human Biology and Biochemistry or its equivalent will be required to attend additional tutorials*	Semester 2
CSCD1033 Child Phonology	6	**A** CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication *Students must pass this unit in order to enrol in clinical units in year 2*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2009)			
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 **P** CSCD1030 *This unit is a pre-requisite for the 'Phonology, Language and Literacy' unit in Year 3, Semester 2*	Semester 1
CSCD2058 Stuttering	6	**A** CSCD1032 Human Communication *This unit is a pre-requisite for speech pathology (Intermediate) clinical units in Year 3*	Semester 1
CSCD2059 Clinical Processes	3	**C** CSCD2060 Introductory Practice: Clinical OR CSCD2061 Introductory Practice: Community *This unit is a pre-requisite for Year 3 (Intermediate) speech pathology clinical units of study*	Semester 1
and either			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
CSCD2060 **Introductory Practice 1: Clinical**	3	**P** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **C** CSCD2057 Child Language, CSCD2059 Clinical Processes **N** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) *Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2060 Introductory Practice 1: Clinical in semester 1 who do not pass will need to discuss their enrolment in CSCD2061 Introductory Practice 1: Community with the Director of Clinical Education prior to the commencement of semester 2.*	Semester 1 Semester 2
or			
CSCD2061 **Introductory Practice 1: Community**	3	**P** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **C** CSCD2057 Child Language, CSCD2059 Clinical Processes **N** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) *Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2061 Introductory Practice 1: Community in Semester 1 who do not pass will need to discuss their enrolment in CSCD2060 Introductory Practice 1: Clinical with the Director of Clinical Education prior to the commencement of semester 2.*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH2142 **Cognitive Neuropsychology**	6	**P** BACH1165 Psychology and Cognitive Factors (Intro)	Semester 2
BACH2143 **Counselling &Behaviour Management for CD**	6		Semester 2
CSCD2062 **Motor Speech and Dysphagia**	6	**A** BIOS1163 Speech Science **P** BIOS1166 Neuroscience	Semester 2
CSCD2063 **Voice and Voice Disorders 1**	3	**A** BIOS1165 Hearing Science and Audiology, CSCS1031 Clinical Phonetics & Articulation **P** BIOS1163 Speech Science **C** CSCD2060 Introductory Practice I: Clinical or CSCD2061 Introductory Practice I: Community	Semester 2
and either			
CSCD2060 **Introductory Practice 1: Clinical**	3	**P** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **C** CSCD2057 Child Language, CSCD2059 Clinical Processes **N** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) *Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2060 Introductory Practice 1: Clinical in semester 1 who do not pass will need to discuss their enrolment in CSCD2061 Introductory Practice 1: Community with the Director of Clinical Education prior to the commencement of semester 2.*	Semester 1 Semester 2
or			
CSCD2061 **Introductory Practice 1: Community**	3	**P** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **C** CSCD2057 Child Language, CSCD2059 Clinical Processes **N** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) *Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2061 Introductory Practice 1: Community in Semester 1 who do not pass will need to discuss their enrolment in CSCD2060 Introductory Practice 1: Clinical with the Director of Clinical Education prior to the commencement of semester 2.*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2010)			
Semester 1			
Lifelong Disability and AAC [6]			
Neurogenic Language Disorders 1 [6]			
Specialist Studies [6]			
and either			
Intermediate Practice: Paediatric [3]			
or			
Intermediate Practice: Adult [3]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Voice and Voice Disorders 2 [3]			
Neurogenic Language Disorders 2 [3]			
Phonology, Language and Literacy [6]			
Clinical Case Management [3]			
and either			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Intermediate Practice: Adult [3]			
or			
Intermediate Practice: Paediatric [3]			
Research Design and Statistics [3]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2011)			
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			
Evidence Based Practice for Speech Pathology [6]			
Professional Issues [6]			
Advanced Practice: Assessment [3]			
Advanced Practice: Community [3]			
Advanced Practice: Clinical [3]			
Clinical Mentoring [3]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Advanced Practice: Adult [12]			
Advanced Practice: Paediatric [12]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Group B			
Semester 1			
Advanced Practice: Adult [12]			
Advanced Practice: Paediatric [12]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Evidence Based Practice for Speech Pathology [6]			
Professional Issues [6]			
Advanced Practice: Assessment [3]			
Advanced Practice: Community [3]			
Advanced Practice: Clinical [3]			
Clinical Mentoring [3]			
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 17.2.1: 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 (first offered in 2010)			
Semester 1			
As per Pass course			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Voice and Voice Disorders 2 [3]			
Neurogenic Language Disorders [3]			
Phonology, Language and Literacy [6]			
Research Methods [3]			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Intermediate Practice: Adults [3]			
Intermediate Practice: Community [3]			
Research Seminar [3]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2011)			
Semester 1			
Advanced Practice: Paediatric [12]			
Advanced Practice: Assessment [3]			
Advanced Practice: Community [3]			
Advanced Practice: Clinical [3]			
Clinical mentoring [3]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Advanced Practice: Adult [12]			
Research Project [12]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Bachelor of Health Science (Hearing and Speech)

No new intake from 2008

It is possible to undertake the Bachelor of Health Science with a second major in Hearing and Speech. See Chapter 7 for further details.

Table 17.3: Bachelor of Health Science (Hearing and Speech) Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SH068: Pass course; full-time, 3 years			
Year 3 (last offered in 2009)			
Semester 1			
BACH1145 Quantitative Health and Social Research	3	**A** Basic mathematics	Semester 1 Semester 2
BACH3056 Patient Management Theories/Applications	5	**P** BACH1132 Foundations of Health Psychology, BACH1159 Cognitive Factors in Health, BACH2126 Maladaptive Behaviours/Behaviour Change	Semester 1
CSCD3024 Communication and Lifelong Disability	3	**P** CSCD1028 Normal Communication Development	Semester 1
CSCD3032 Professional Development III	3	**A** CSCD2049 Introductory Clinical II or CSCD2054 Communication Fieldwork II **P** CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I, CSCD2052 Professional Development IIB	Semester 1
CSCD3056 Communication Fieldwork III	4	**P** CSCD2040 Audiology I, CSCD2054 Communication Fieldwork II, CSCD2042 Language Impairments in Children II *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2 Summer Early
Electives [6] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH1031 Clients, Practitioners and Organisations	3	**A** BACH1130 Foundations of Health Sociology	Semester 2
BACH1148 Health, Attitudes and Interaction	3	**P** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 2
BACH3055 Cognitive Neuropsychology II	3	**P** BACH2109 Cognitive Neuropsychology I	Semester 2
CSCD3034 Craniofacial Anomalies	3	**A** BIOS1116 Speech Science I and BIOS1117 Speech Science II, or CSCD2030 Voice Science and Disorders	Semester 2
CSCD3049 Audiological Management II	2	**A** CSCD1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I **P** CSCD2040 Audiology I	Semester 2
CSCD3057 Communication Fieldwork IV	8	**P** CSCD2046 Audiological Management I, CSCD3056 Communication Fieldwork III *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2 Summer Early

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Coequisites N: Prohibition	Session
Elective [2] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Electives for Year 3			
4 credit point electives			
CSCD3023 Neurogenics II	4	**A** CSCD2047 Neurogenics I	Semester 1
CSCD3055 Audiology II	4	**P** CSCD2040 Audiology I	Semester 1
CSCD3059 Communication Studies	4	*Note: Department permission required for enrolment*	Semester 1
CSCD3060 Readings 1	4	*Note: Department permission required for enrolment*	Semester 1 Semester 2
CSCD3073 Readings II	4	*Note: Department permission required for enrolment* *Department permission required for enrolment*	Semester 1 Semester 2
2 credit point electives			
CSCD3036 Language Impairments in Children III	2	**A** CSCD2049 Introductory Clinical II **P** CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II	Semester 2
CSCD3037 Swallowing Impairments	2	**P** BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS1117 Speech Science II	Semester 1
CSCD3058 Auditory Perception and Processing	2	**P** BIOS1118 Hearing Science, BIOS1141 Neuroscience II *Note: Department permission required for enrolment*	Semester 1
CSCD3061 Directed Readings	2		Semester 1 Semester 2
CSCD3068 Directed Readings II	2		Semester 1 Semester 2
Note			
The offering of these electives will depend on availability of staff and student demand. To complete the requirements of the course, students are required to complete 8 credit points of electives. One elective must be of 4 credit points value.			

Table 17.3.1: Bachelor of Health Science (Hearing and Speech) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Coequisites N: Prohibition	Session
Course code SH069: Honours program; full-time, 4 years			
Year 3 (last offered in 2009)			
As per Pass course			
Year 4 (last offered in 2010)			
Semester 1			
CSCD4039 Honours Paper I	6	**C** CSCD4045 Honours Thesis I	Semester 1
CSCD4045 Honours Thesis I	18	**C** CSCD4039 Honours Paper I	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
CSCD4040 Honours Paper II	6	**P** CSCD4039 Honours Paper I, CSCD4045 Honours Thesis I **C** CSCD4046 Honours Thesis II	Semester 2
CSCD4046 Honours Thesis II	18	**P** CSCD4039 Honours Paper I, CSCD4045 Honours Thesis I **C** CSCD4040 Honours Paper II	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Clinical education and fieldwork

Students in the Bachelor of Applied Science (Speech Pathology) and the Bachelor of Health Science (Hearing and Speech) courses participate in a wide variety of practicum and/or fieldwork experiences throughout their undergraduate education. These occur on-campus and in off-campus placements in metropolitan and country areas and sometimes interstate and overseas. The Director of Clinical Education and Fieldwork (Speech Pathology and Hearing and Speech) coordinates these placements.

Dates

Year 2

Pre-Semester 1

Orientation, Wednesday to Friday in Orientation Week

Semester 1

Week 1 to Week 13, depending on availability

Pre-Semester 2
Orientation, Wednesday to Friday in Orientation Week

Semester 2
Week 1 to Week 13, depending on availability

Year 3

Pre-Semester 1
Wednesday to Friday in Orientation Week
Intensive block, February (selected students)

Semester 1
Week 1 to Week 13, depending on availability

Inter-Semester
Block placement in July and/or November to February
Intensive block, June/July or November/December (selected students)

Pre-Semester 2
Wednesday to Friday in Orientation Week

Semester 2
Week 1 to Week 13, depending on availability

Year 4

Pre-Semester 1 (only for students on-campus, Semester 1)
Wednesday to Friday in Orientation Week
Note: Some students may commence their semester placement before Orientation Week.

Semester 1 and 2
Week 1 to Week 13, depending on availability

Pre-Semester 2 (only for students on-campus, Semester 2)
Wednesday to Friday in Orientation Week

Debriefing week for all Year 4 students
Week 14, Semester 2 and one additional day usually in Week 17/18

18. Singapore conversion courses

This chapter provides detailed course information about off-shore (Singapore-based) conversion courses to bachelor degrees in nursing, occupational therapy, physiotherapy and medical radiation sciences.

The off-shore programs are conducted in Singapore by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. Graduates from these programs will receive an award from the University of Sydney.

The courses are conducted in a part-time modular mode, the duration being twelve months to two years (see individual program entries). Several units of study described in the nursing program are common to the occupational therapy, physiotherapy and medical radiation technology programs (see individual program entries).

Each unit of study is conducted over a two week period and comprises of twenty to thirty hours of student contact. Units are programmed to allow time between each unit for completion of assessment tasks.

The ongoing responsibility for the management of the programs lies with the Faculty of Health Sciences. Staff in the Faculty of Health Sciences coordinate interactions with the Singapore Institute of Management, the Singapore Ministry of Health and the University's Faculty of Nursing and Midwifery. The role of the Singapore Institute of Management is to provide a vehicle for implementing the courses.

The Faculty of Health Sciences also offers full-time on-shore (Sydney-based) Singapore Conversion programs in occupational therapy, physiotherapy, radiography and radiation therapy. These courses are specifically designed for A-level entry diplomates who have graduated from Nanyang Polytechnic to convert their diploma qualifications to a bachelor degree.

Bachelor of Health Science (Nursing)

Off-shore (Singapore based) – No new intake in 2009 (For continuing students only)

Admission requirements

Applicants should possess either:

- a Diploma in Nursing from Nanyang Polytechnic, Singapore; or
- an approved Diploma in Nursing from an approved institution; or
- a Certificate in Nursing from the Singapore School of Nursing, or its equivalent; and
- a minimum of 12 months nursing clinical practice; and
- employment as a registered nurse in a working environment appropriate to their profession and acceptable to the University.

Note: Applicants will be assessed on the basis of academic merit and/or evidence of post-registration professional development.

Course outline

The course outline for the Bachelor of Health Science (Nursing) is presented in Table 18.1. Units of study are described in Chapter 19.

Each unit of study is conducted over a two week period and comprises 20 hours of student contact and five hours of independent study.

Table 18.1: Bachelor of Health Science (Nursing) Off-shore Singapore based

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH077: Credit point for award: 48			
January and July start; part-time, 4 semesters			
Year 1			
Semester 1			
SING4062 Health Care Ethics	3		Semester 1 Semester 2
SING4063 Legal Perspectives and Health Care	3		Semester 1 Semester 2
SING4072 Nursing Knowledge and Health Care	6		Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
SING4066 Pathophysiology A	3		Semester 1 Semester 2
SING4067 Pathophysiology B	3		Semester 1 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
SING4087 Nursing and Health Assessment	6		Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
SING4064 Patient/Client Education	3		Semester 1 Semester 2
SING4065 Managing Resources in Health Services	3		Semester 1 Semester 2
SING4070 Sociology of Work and Organisations	3		Semester 1 Semester 2
SING4071 Patient-Practitioner Relationships	3		Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
SING4068 Research Methods: Design	3		Semester 1 Semester 2
SING4069 Research Methods: Analysis	3		Semester 1 Semester 2
SING4088 Nursing in Complex Clinical Situations	6		Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Notes			
1. SING4062, SING4063 and SING4072 are to be completed in first semester of enrolment.			
2. SING4066, SING4067 and SING4087 are to be completed in second semester of enrolment.			
3. SING4064, SING4065, SING4070 and SING4071 are to be completed in third semester of enrolment.			
4. SING4068, SING4069 and SING4088 are to be completed in fourth semester of enrolment.			

Bachelor of Health Science (Physiotherapy)

Off-shore (Singapore based) – No new intake in 2009 (For continuing students only)

Admission requirements

Applicants should possess either:

- a Diploma in Physiotherapy from Nanyang Polytechnic, Singapore with A-level entry, or
- an approved Diploma in Physiotherapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE A-level examinations or their equivalent.

Note: Applications will be assessed on the basis of academic merit.

Course outline

The course outline for the Bachelor of Health Science (Physiotherapy) is presented in Table 18.2. Units of study are described in Chapter 19.

Table 18.2: Bachelor of Health Science (Physiotherapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH079: Credit points for award: 24			
July (Semester 2) start			
Year 1			
Semester 2 (July-December) – Physiotherapy units of study			
SING4083 Evidence Based Practice	3		Semester 2
SING4084 Advanced Musculosketetal Physiotherapy	3		Semester 2
SING4085 Advanced Cardiopulmonary Physiotherapy	3		Semester 2
SING4086 Advanced Neurological Physiotherapy	3		Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Semester 1 (February-June) – Electives			
SING4052 **Topics in Physiotherapy Management**	3		Semester 1
Electives [9] (see notes)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Electives (see notes)			
SING4062 **Health Care Ethics**	3		Semester 1 Semester 2
SING4063 **Legal Perspectives and Health Care**	3		Semester 1 Semester 2
SING4065 **Managing Resources in Health Services**	3		Semester 1 Semester 2
SING4066 **Pathophysiology A**	3		Semester 1 Semester 2
SING4067 **Pathophysiology B**	3		Semester 1 Semester 2
Notes			
1. Students must select SING4052 Topics in Physiotherapy Management plus three of the remaining five electives. Choice may be limited by unit availability according to timetable and enrolment constraints.			
2. Maximum credit point value for non-Physiotherapy electives is 9.			

Bachelor of Health Science (Occupational Therapy)

Off-shore (Singapore based) – No new intake in 2009 (For continuing students only)

Admission requirements

Applicants should possess either:

- A Diploma in Occupational Therapy from Nanyang Polytechnic, Singapore, with A-level entry, or
- An approved Diploma in Occupational Therapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE A-level examinations or the equivalent; and
- Currently working as an occupational therapist.

Course outline

The course outline for the Bachelor of Health Science (Occupational Therapy) is presented in Table 18.3. Units of study are described in Chapter 19.

Table 18.3: Bachelor of Health Science (Occupational Therapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH075: Credit points for award: 24			
July (Semester 2) start			
Year 1			
Semester 2 (July to December)			
SING4056 **Cognitive & Perceptual Components of OT**	3		Semester 1 Semester 2
SING4057 **Advanced Communication Techniques in OT**	3		Semester 1 Semester 2
Electives [6] (see note)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (January to June)			
SING4054 **Community Based Programs Development**	3		Semester 1 Semester 2
SING4055 **Managing Occupational Therapy Services**	3		Semester 1 Semester 2
Electives [6] (see note)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Electives (see note)			
SING4062 **Health Care Ethics**	3		Semester 1 Semester 2
SING4063 **Legal Perspectives and Health Care**	3		Semester 1 Semester 2
SING4065 **Managing Resources in Health Services**	3		Semester 1 Semester 2
SING4066 **Pathophysiology A**	3		Semester 1 Semester 2
SING4067 **Pathophysiology B**	3		Semester 1 Semester 2
SING4070 **Sociology of Work and Organisations**	3		Semester 1 Semester 2
Note			
Students must select four electives. Availability is subject to enrolments and timetabling constraints.			

Bachelor of Health Science (Medical Radiation Technology)

Off-shore (Singapore based) – No new intake in 2009 (For continuing students only)

Admission requirements

Applicants should possess either:

1. a Diploma in Radiography from Nanyang Polytechnic, Singapore, with A-level entry, or
2. a Diploma of the College of Radiographers (Singapore) or equivalent, with entry level at the minimum eligibility requirements in the GCE A-level examinations or their equivalent. (Students admitted through option (2) will be required to undertake SING4068 Research Methods: Design and SING4069 Research Methods: Analysis.)

Course outline

The course outline for the Bachelor of Health Science (Medical Radiation Technology) is presented in Table 18.4. Units of study are described in Chapter 19.

Table 18.4: Bachelor of Health Science (Medical Radiation Technology)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH076: Credit points for award: 24			
July (Semester 2) start			
(There will be three semesters for students admitted through admission requirement 2.)			
Year 1			
Semester 2 (July to December)			
SING4059 **Computer Communication in MRT**	3		Semester 2
SING4061 **The Quality Perspective Applied to MRT**	3		Semester 2
Electives [6] (see note)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (February to June)			
SING4075 **Integrated Diagnosis and Treatment**	3		Semester 1
SING4076 **Radiographic Interpretation of Pathology**	3	*For diagnostic radiography students only*	Semester 1
SING4077 **Imaging Applications in RT**	3	*For radiation therapy students only*	Semester 1
Electives [6] (see note)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Electives (see note)			
SING4062 **Health Care Ethics**	3		Semester 1 Semester 2
SING4063 **Legal Perspectives and Health Care**	3		Semester 1 Semester 2
SING4064 **Patient/Client Education**	3		Semester 1 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
SING4065 Managing Resources in Health Services	3		Semester 1 Semester 2
SING4066 Pathophysiology A	3		Semester 1 Semester 2
SING4067 Pathophysiology B	3		Semester 1 Semester 2
SING4068 Research Methods: Design	3		Semester 1 Semester 2
SING4069 Research Methods: Analysis	3		Semester 1 Semester 2
SING4070 Sociology of Work and Organisations	3		Semester 1 Semester 2
SING4071 Patient-Practitioner Relationships	3		Semester 1 Semester 2

Note

Students must select four electives. Availability is subject to enrolments and timetabling constraints.

19. 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			
BACH2137 **Health Policy Development**	6	*Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
BACH3055 **Cognitive Neuropsychology II**	3	**P** BACH2109 Cognitive Neuropsychology I	Semester 2
BACH3075 **Health Psychology**	6	**P** BACH2138 Psychological Disorders and Their Treatment or BACH3144 Psychology and Mental Health or HSBH1003 Health, Behaviour and Society	Semester 1
BACH3081 **Sociology of Sport**	3	**P** BACH1130 Foundations of Health Sociology or BACH1134 Health, Illness and Social Inquiry **N** BACH3130 Sport, Society and Social Theory	Semester 2
BACH3082 **Sociology of the Aged and Ageing**	3	**P** BACH1098 Introduction to Health Sociology or BACH1130 Foundations of Health Sociology, BACH1134 Health, Illness and Social Inquiry	Semester 1
BACH3095 **Ageing Society and Professional Practice**	3	**A** BACH1098 Introduction to Health Sociology	Semester 2
BACH3096 **Older People in the Community**	3	**A** BACH1098 Introduction to Health Sociology	Semester 1
BACH3127 **History & Philosophy of Science**	6		Semester 2
BACH3130 **Sport, Society & Social Theory**	6	**P** BACH1130 Foundations of Health Sociology/Introduction to Health Sociology or BACH1134 Health, Illness and Social Inquiry or BACH1161 Introductory Behavioural Health Sciences **N** BACH3081 Sociology of Sport	Semester 2
BACH3146 **Cyberpsychology and e-Health**	6		Semester 2
BIOS1139 **Functional Anatomy B**	3	**A** BIOS1136 Functional Anatomy A	Semester 1
BIOS1141 **Neuroscience II**	3		Semester 1
BIOS1167 **Human Cell Biology**	6	**A** Basic Chemistry	Semester 1
BIOS1168 **Functional Musculoskeletal Anatomy A**	6		Semester 1 Semester 2
BIOS1169 **Functional Musculoskeletal Anatomy B**	6	**P** BIOS1168 Functional Musculoskeletal Anatomy A	Semester 1 Semester 2
BIOS1170 **Body Systems: Structure and Function**	6	**A** BIOS1167 Human Cell Biology or equivalent **N** BIOS1127 Body Systems I, BIOS1133 Body Systems: Structure & Function I, BIOS2098 Body Systems: Structure & Function II, BIOS2099 Body Systems II and Pharmacology	Semester 1 Semester 2
BIOS1171 **Neuroscience**	6	**N** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists	Semester 1 Semester 2
BIOS1172 **Biological Aspects of Ageing**	6	**A** Physiology of body systems	Semester 1
BIOS1173 **Disease in Ageing**	6	**A** Physiology of body systems	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
BIOS2103 **Neurosciences for Physiotherapists**	3	**P** BIOS1137 Introductory Neuroscience *Note: Department permission required for enrolment*	Semester 2
BIOS2111 **Introductory Toxicology**	6	**A** Any Junior Biology unit of study	Semester 1
BIOS3065 **Anatomical Analysis of Exercise**	6	**P** BIOS1136 Functional Anatomy A or BIOS1159 Functional Anatomy A- Exercise Science and BIOS1160 Functional Anatomy B- Exercise Science or BIOS1144 Functional Anatomy B (Physiotherapy) or BIOS1139 Functional Anatomy B, or BIOS1168 Functional Musculoskeletal Anatomy A and BIOS1169 Functional Musculoskeletal Anatomy B *Preference will be given to students who have achieved graded passes in prerequisite units of study*	Semester 2
BIOS3068 **Environmental Toxicology**	6	**P** BIOS2111 Introductory Toxicology	Semester 1
BIOS4035 **Sexuality for Health Professionals**	3	*This elective is only available to students in Year 2 or higher*	Semester 1 Semester 2
EXSS1032 **Fundamentals of Exercise Science**	6		Semester 2
EXSS2026 **Growth, Development and Ageing**	6		Semester 2
HSBH1005 **Human Development**	6	**P** HSBH1003 Health, Behaviour & Society	Semester 2
HSBM4001 **Sexology/Sexual Hlth: Global Perspective**	6	*This unit of study will be offered as a University wide elective*	Semester 1
REHB3062 **Public Offenders: Criminality & Rehab**	6	**N** REHB3051 Rehabilitation of Public Offenders	Semester 1 Semester 2
REHB3063 **Disability, Work and Quality of Life**	6	*This is a faculty wide elective for sem 1, and a core unit for sem 2 for the BHS/MRC*	Semester 1 Semester 2
REHB3064 **Alcohol and Drug Misuse Rehabilitation**	6	**N** REHB3061 Rehabilitation and Substance Abuse	Semester 1 Semester 2
REHB3065 **PTSD and Rehabilitation**	6	**N** REHB3059 Rehabilitation and PTSD	Semester 1
REHB3066 **Chronic Pain: Disability and Rehab**	6	**N** REHB3060 Chronic Pain and Rehabilitation	Semester 2
Faculty research electives			
BACH3126 **Research Project Development**	6		Semester 1 Semester 2
BACH4017 **Epidemiological Research**	3	**P** HIMT3032 Epidemiology	Semester 2
BACH4019 **History and Philosophy of Science**	3		Semester 2
BACH4043 **Intermediate Statistics**	3	**P** BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research *Note: Department permission required for enrolment*	Semester 2
BACH4045 **Qualitative Research Methods**	3		Semester 2
BACH4046 **Survey Research Methods**	3		Semester 2
BACH4047 **Developing a Research Project**	4	*Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
BACH4055 **Intermediate Statistics**	6	*Note: Department permission required for enrolment*	Semester 1
BACH4071 **Evidence Based Health Care Research**	3	**A** BACH1139 Health and Research Design - General	Semester 1 Semester 2
BACH4072 **Behavioural Epidemiology** *This unit of study is not available in 2009*	3	**A** BACH2115 Research Methods I or equivalent	Semester 1
BACH4073 **Metabolic Epidemiology**	3	**A** BACH1139 Health and Research Design - General **P** HIMT3032 Epidemiology	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 **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 **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 **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 **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 **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 in the following sessions: Semester 1.

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 **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 **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 **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 **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 **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 **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 **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 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 **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 **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 **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 in the Diploma of Health Science (Aboriginal Health & Community Development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Biological Sciences units.

AHCD1058
Maths Workshop A

Credit points: 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** 3 short assignments (30%, 30% and 40%) due in Wks 6, 11 & 15. (Each assignment involves calculations, short answers, and the construction of tables and charts). Topics covered include estimation and approximation; fractions, percentages, decimals and rates; graphs, charts and tables. **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account the individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

AHCD1059
Academic Skills Workshop A

Credit points: 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Several assignments (ranging in weights from 5% to 25%) are evenly distributed through the semester. The assignments cover writing skills, information literacy, and communication skills **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution, explores students' past educational background and teaches academic skills such as computing, information gathering skills, organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD1060
Human Biology Workshop A

Credit points: 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relevant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD1061
Aboriginal Studies A

Credit points: 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** 300 word independent note taking and reconstruction, due Wk 5 (25%), 600 word independent note taking and reconstruction, due Wk 9 (30%), 1000 word independent note taking, reconstruction/summary writing, due Wk13 (45%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

AHCD1062
Anatomy Workshop A

Credit points: 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy, the musculoskeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully, including laboratory skills and learning anatomical language.

AHCD1063
Behavioural Science Workshop A

Credit points: 4 **Session:** Semester 1 **Classes:** Individual or small group tuition **Assessment:** During each session students will be required to complete an in-class worksheet which will be marked and returned, 75min open book exam (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD1064
Mathematics Workshop B

Credit points: 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** 3 short assignments (20%, 20%, 40%), in-class closed book exam (20%) in the final block. Assignments due in Wks 6, 11 & 15. Each assignment involves calculations, short answers, and the construction of tables and charts **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account the individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

AHCD1065
Academic Skills Workshop B

Credit points: 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Similar to AHCD1059. Several assignments are given through the semester, in addition to a comprehension exam (20%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution; explores students' past educational background; and teaches academic skills such as computing, information gathering

skills, organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD1066
Human Biology Workshop B

Credit points: 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relevant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD1067
Aboriginal Studies B

Credit points: 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Summary writing and essay plan, due Wk 5 (25%), 1000 word descriptive essay, due Wk 9 (35%), 1000 word reflective journal, due Wk 13 (40%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

AHCD1068
Anatomy Workshop B

Credit points: 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy and the musculoskeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully, including laboratory skills and learning anatomical language.

AHCD1069
Behavioural Science Workshop B

Credit points: 4 **Session:** Semester 2 **Classes:** Individual or small group tuition **Assessment:** During each session students will be required to complete an in-class worksheet which will be marked and returned, 75min open book exam (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD2008
Biomechanics Support (2)

Credit points: 2 **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 **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 **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.

AHCD3009
Professional Practice III

Credit points: 6 **Session:** Semester 2 **Classes:** Block mode **Prerequisites:** AHCD2020 Professional Practice II **Assessment:** Participation in block work classes, the professional practice placement, submission of written work **Practical field work:** Supervised professional practice placement (70hrs) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This compulsory unit aims to provide students with the opportunity to extend and integrate their practical skills and theoretical knowledge as these relate to the roles and responsibilities of Indigenous health & community development practitioners. There is increasing emphasis in this unit on the development of reflective learning skills and critical analysis of issues as they relate to Indigenous health in its many contexts. The subject requires attendance at lectures during block and participation in a 70 hour supervised professional practice placement in an organisation providing health or community development services to Indigenous communities.

AHCD4001
Indigenous Community Health Project B

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD3008 Indigenous Community Health Project A **Assumed knowledge:** Knowledge of project planning **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. In this unit, students will complete their project, following the project plan developed in AHCD3008 Indigenous Community Health Project A.

AHCD4002
Professional Practice IV

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD3009 Professional Practice III **Assessment:** Assessment is based on participation in block mode classes, a placement (4 weeks) and submission of written work **Practical field work:** Supervised placement **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

The aim of this unit is to provide an opportunity for students to participate in a supervised placement for 140 hours in an organisation providing health and/or community development related services or programs to Indigenous communities. Participation in the placement will enable students to consolidate theoretical knowledge and practical

skills as it applies to the role of Indigenous health and community development practitioners. In addition, students are asked to relate their knowledge and skills to one of 6 stream electives including: research; counselling and Indigenous mental health; Indigenous community development and management; primary health care/health promotion; addiction studies; Indigenous environmental health & housing.

AHCD4014
Current Issues in Health, Law & Medicine

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Assessment:** Essay, worksheet, take home exam **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit will introduce students to an understanding of the Australian legal system and general principles and law governing human behaviour. This unit will also provide the student with an understanding of human rights and the international legal system. Students will be encouraged to explore the relationship between health, human rights and the law.

AHCD4018
Action Research

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD2022 Introduction to Health Research **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration.

AHCD4032
Health Planning, Policy and Evaluation A

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit of study provides the students with an understanding of the meaning and concept of policy and policy development within the Australian political structure. Various models of policy development and in particular the Australian policy development model will be examined. Application of these models to a current policy will be also investigated.

Textbooks
Readings provided

AHCD4034
Indigenous Community Health Promotion A

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** 750 word reflective paper (30%), 750 word short answer paper (30%), 2000 word essay (40%) **Practical field work:** 6hrs of fieldwork **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit of study introduces students to the concept and meaning of health promotion and how it is different from health education. The unit ends up with a comparative study of a mainstream and Indigenous health promotion imitative.

Textbooks
Readings will be provided

AHCD4035
Primary Health Care III

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD2015 Primary Health Care II **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit of study builds on the concepts of primary health care explored in AHCD1030 Primary Health Care 1 and AHCD2015 Primary Health Care II. Students will critically examine primary health care in Indigenous communities. There will also be a consideration of how PHC can be used to facilitate action for change.

AHCD4042
Wellness

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD1032 Introduction to Counselling Skills **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit will encourage students to focus their attention on the conditions required for healthy living from a holistic perspective of Indigenous health. Students will be asked to consider the positive environmental influences required for individuals and communities to achieve and maintain a state of healthy well-being. Contributions to an understanding of wellness will be sought from traditional Aboriginal culture and custom, anthropology, sociology and psychology. Content for this unit will be thematic and be determined by current student interest.

AHCD4049
Skills for Teaching Health

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Assessment:** 250 word in-class tutorial questions (10%), 2000 word written report description of the context of your teaching session (30%), a description of the teaching methods, justify your selection of teaching methods (30%), 10min microskill's presentation (20%), 500 word reflection report (10%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit provides an opportunity for students to identify and develop teaching skills for use in their professional roles as health workers. The content for this unit will include: principles of adult learning; the teaching process; instructional design; the skills of questioning, explaining and facilitating small group discussions; and the preparation and use of audiovisual teaching materials.

AHCD4052
Honours Workshop

Credit points: 6 **Session:** Semester 1 **Classes:** Block mode **Assessment:** Continuous assessment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: This unit is available only to students admitted to the honours program

This unit of study is divided into two semesters. In Semester 1, students will concentrate on the further development of their literature review and collection of the data. Analysis and interpretation of the data towards the first draft of the honours thesis will also be covered in this semester. In Semester 2, redrafting and rewriting of the thesis will be maintained and continued.

Textbooks
Individual based

AHCD4053
Human Rights and Social Justice

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** 800-1000 word essay (20%), 800-1000 word essay (20%), 2000-2500 word report on a policy (50%), 500 word reflection (10%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment.

This unit of study will examine human rights and social justice issues from an Australian Indigenous perspective at international, national and local levels. It discusses the effect of these issues on the health and welfare of Indigenous peoples' lives. The unit will detail the optimum standard for health and justice advocated by the international human rights treaty system, and discusses the Australian government's responsibility, accountability and the success and failures towards these benchmarks. The unit is based on participation and includes literature review and group discussions.

BACH1031
Clients, Practitioners and Organisations

Credit points: 3 **Teacher/Coordinator:** Dr Rose Leontini **Session:** Semester 2 **Classes:** 13 lectures, 6 seminars **Assumed knowledge:** BACH1130 Foundations of Health Sociology **Assessment:** Group poster presentation (50%), 1hr exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study applies a sociological perspective to the complex relationships between stakeholders in the Australian health care system. The unit emphasises: sociology of client/practitioner relationships; sociology of work and organisations in health care settings; theoretical perspectives on the self, the body, illness and identity.

Textbooks
Book of readings

BACH1143
Designing Health Research

Credit points: 3 **Teacher/Coordinator:** Dr Tatjana Seizova-Cajic **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture/week and fortnightly tutorials **Assessment:** 1500 word group report due Wks 12-13 (40%), 1.5hr MCQ/SA exam in Wks 15-16 (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to research methodology and design that is fundamental to the health professions. The unit of study presents an overview of the research process, as well as detailed information about ethics, sampling, measurement and both quantitative and qualitative approaches to research. Students will become familiar with main concepts and logic underlying all research designs, with specific terminology used in epidemiological studies and with the notion of evidence-based practice. Students will also develop skill in understanding, interpreting and evaluating research reports, doing literature search and review, selecting appropriate research methods to answer research questions and in presenting research findings using a standard format for quantitative studies.

BACH1145
Quantitative Health and Social Research

Credit points: 3 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture, 1hr tutorial/week **Assumed knowledge:** Basic mathematics **Assessment:** 1000 word assignment (40%), 1.5hr MCQ exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces prospective health science practitioners and researchers to methods for exploring, analysing, understanding and interpreting quantitative data. It aims to provide an understanding of the main ideas of statistics and useful skills for working with data as well as to introduce students to common data analysis tools. Methods for collecting, exploring and presenting data are discussed from the perspective of the practitioner. Graphical methods and descriptive statistics are emphasised throughout the unit and precede all analysis techniques. The normal and sampling distributions are introduced. The early emphasis in this unit will be placed on explaining; patterns in data, outliers and variability. Random sampling in the context of randomised comparative experiments precedes an introduction to statistical inference for comparisons and relationships. Methods for parametric and non-parametric inference are introduced for one, two and multiple samples. The unit also introduces students to techniques of epidemiological data analysis. Students will use data analysis software packages that are in common use in employment settings. The nexus between qualitative and quantitative methodologies is explored, throughout the unit, in the context of inference and scientific method.

BACH1147
Qualitative Health and Social Research

Credit points: 3 **Teacher/Coordinator:** Dr Rose Leontini **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture/week, 1hr tutorial every alternate week, commencing in Wks 2 and 3 **Assessment:** Two 1500 word assignments (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This subject introduces students to key elements in the design of qualitative research. The student will acquire skills in recognising research questions and problems which are appropriately investigated using qualitative methods. The unit will present a range of qualitative methodologies including naturalistic observation and in-depth interviews. Students will develop skills in recording and presenting qualitative data and in the use of analysis techniques suitable for qualitative data.

BACH1148
Health, Attitudes and Interaction

Credit points: 3 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 2 **Classes:** 2hr lectures for 13 weeks **Prerequisites:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology **Assessment:** 1hr mid semester exam, 2hr final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study comprises two modules. Module 1: Social Psychology examines the findings from research into social phenomena such as helping behaviour, aggression, prejudice and conformity. The unit extends this examination to the application of findings to health care settings and practitioners. Module 2: Disability Studies students will be exposed to an interdisciplinary perspective on the experiences of people with chronic illnesses and disability as well as community and professional perceptions of disability. Both modules examine the psychology of client-practitioner communication and interaction.

BACH1161
Introductory Behavioural Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Karen Pepper, Mr Ian Andrews **Session:** Semester 1, Semester 2 **Classes:** 4hrs/week **Assessment:** Class exercise (17.5%), mid semester 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:** 5hrs/week **Assessment:** Mid and end semester exam, written assignment **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.

BACH2126
Maladaptive Behaviours/Behaviour Change

Credit points: 4 **Teacher/Coordinator:** Dr Mairwen Jones **Session:** Semester 1, Semester 2 **Classes:** 2hr lectures/week (Wks 1-10), 1hr tutorials/week (Wks 1-13) **Assumed knowledge:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology **Assessment:** 25min small group (2-3 people) class presentation (problem and treatment) (40%), 2hr MCQ/SAQ/essay exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. Students will be presented with an overview of current etiological theories and best-practice treatment approaches for a range of common psychological conditions with reference to controlled treatment outcome studies. This unit also explores the cognitive-behavioural approach to the management of maladaptive behaviour and psychological dysfunction based upon the application of learning principles. The unit examines the theory and application of behavioural management strategies in a variety of clinical settings and contrasts these with competing models of psychological therapy.

BACH2127
Health Policy and Service Delivery

Credit points: 3 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** 13 lectures, 6 tutorials **Prerequisites:** BACH1098 Introduction to Health Sociology or BACH1130 Foundations of Health Sociology **Assessment:** 1000 word essay (40%), 1.5hr exam essay and SAQ (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an understanding of key aspects of the relationship between Australian society, health and health service provision. It discusses the development, delivery and evaluation of Australian health and disability policy and services in a global context and across the life span. The importance of a holistic and preventive approach to health policy is stressed and the relationship between service access, equity, quality and cost is discussed.

BACH2128
Cognition and Cognitive Impairment

Credit points: 3 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** 2hrs lectures/week in Wks 1-8, 1hr lecture, 1hr seminar/week in Wks 9-13 **Assumed knowledge:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology **Assessment:** 20min group presentation (30%), 1hr MC/SA exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning and decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness and with developmental and learning disabilities.

BACH2137
Health Policy Development

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Thirteen 1hr lectures, 12 tutorials **Assessment:** 1000 word project, 3000 word project, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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

The unit examines development and implementation of health policies in Australia. It provides a socio-demographic analysis of changing pattern of morbidity and mortality in Australia over time and their impact on health planning and policy development. The unit uses cross-sectional analysis in identifying health issues and health priorities. It focuses on policy determinants, organisational context in policy making, and health policy and financing. Students will develop skills in assessing community health needs; developing health policy and implementation; and monitoring and evaluation of health programs.

BACH2140
Research Methods for Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1, Semester 2 **Classes:** 4hrs/week **Assessment:** 1500 word research report, practical assignment, 3hr end semester exam **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 Steve Cumming **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** BACH1165 Psychology and Cognitive Factors (Intro) **Assessment:** Assignment, end semester exam **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 Chris Lennings **Session:** Semester 2 **Classes:** 4hrs/week **Assessment:** Case study, end semester exam **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.

BACH3055
Cognitive Neuropsychology II

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Classes:** 1hr lecture, 1hr tutorial/week **Prerequisites:** BACH2109 Cognitive Neuropsychology I **Assessment:** 1hr exam (60%), 25min seminar presentation (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is concerned with the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

BACH3056
Patient Management Theories/Applications

Credit points: 5 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1 **Classes:** Four 1hr lectures, 1hr seminar/week **Prerequisites:** BACH1132 Foundations of Health Psychology, BACH1159 Cognitive Factors in Health, BACH2126 Maladaptive Behaviours/Behaviour Change **Assessment:** 2hr SA/MC exam (40%), 1hr MC exam (20%), 1500 word case report (20%), video counselling report (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines the psychological needs of clients and their families in the context of speech pathology practice. Topics of study include detection of underlying anxiety, depression, conflict and other psychological disorders. The client-practitioner relationship is considered and students will acquire basic counselling skills that will enhance compliance and satisfaction with treatment. Students will apply behavioural therapies to the treatment of speech and language disorders, diagnose and manage learning disabilities with special reference to reading delay and to developmental and acquired reading disability in children and adults. Accurate diagnosis depends on the administration and interpretation of tests. Students will therefore develop skills in the critical evaluation of test theory and test construction, administration and reliability and validity, with special reference to speech and language tests.

BACH3075
Health Psychology

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 1 **Classes:** Lecture and seminar **Prerequisites:** BACH2138 Psychological Disorders and Their Treatment or BACH3144 Psychology and Mental Health or HSBH1003 Health, Behaviour and Society **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines two major areas of health psychology. Firstly, psychological approaches to understanding and managing pain and the relationship of pain to injury and chronic illness are considered. Pain is a complex multi-dimensional construct with sensory, emotional, motivational, behavioural and environmental components. Current theoretical debates regarding the nature and perception of acute and chronic pain are introduced and techniques currently used in the management of acute and chronic pain are surveyed. Secondly, students are acquainted with the major approaches to understanding and conceptualising stress and coping in our society. Stress represents a reaction to a situation or event which depends on personality, the person-environment fit and the presence of social support. Aspects of the work situation and human service organisations are identified as foci for the study of stress. The seminar program aims to give students a first hand knowledge of the assessment strategies used in stress research and management and direct participation in stress management skills, including relaxation, time management, goal setting and developing coping skills.

BACH3077
Workplace Attachment

Credit points: 6 **Teacher/Coordinator:** Ms Deborah McGregor **Session:** Semester 2 **Classes:** All-day workshop (Wk 11), 15 days (100 hours) workplace attendance **Assessment:** 1500 word workplace report (50%), 20min presentation (50%) **Practical field work:** 15 days fieldwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit involves two components. Firstly, students undertake a three week workplace attachment during the inter-semester break. Secondly, students will meet during semester to discuss their fieldwork experiences, in terms of the goals of the workplace, and of the policy, ethical, legal, communication, and management issues and applications encountered. Students will submit a detailed report of the workplace attachment, analysing the experience in terms of each of these dimensions.

BACH3081
Sociology of Sport

Credit points: 3 **Teacher/Coordinator:** Mr Ian Andrews **Session:** Semester 2 **Classes:** On-campus, 2hrs/week **Prerequisites:** BACH1130 Foundations of Health Sociology or BACH1134 Health, Illness and Social Inquiry **Prohibitions:** BACH3130 Sport, Society and Social Theory **Assessment:** Assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines the nature of modern sporting forms and practices and relates them to broader social structures and cultural processes. These aims are realised through the reflexive application of a range of sociological theories and concepts. Topics covered include the relationship between sport and the key dimensions of social structure (class, gender, ethnicity, age and disability); ideology, power and politics in sport; the links between sport and 'community ' and the relationship between the mass media and professional sports.

BACH3082
Sociology of the Aged and Ageing

Credit points: 3 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1 **Classes:** 1hr lecture, 1hr seminar/week **Prerequisites:** BACH1098 Introduction to Health Sociology or BACH1130 Foundations of Health Sociology, BACH1134 Health, Illness and Social Inquiry **Assessment:** Seminar presentation, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories and models of ageing will be applied to patterns of community response, to media representations, and to the well being of older people. The unit examines structural and non-structural factors of their influence on health of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined. Students will be expected to use these concepts in an analysis of current government interventions.

BACH3095
Ageing Society and Professional Practice

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** Independent learning package **Assumed knowledge:** BACH1098 Introduction to Health Sociology **Assessment:** Report **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit aims to contribute to effective professional practice in an ageing society. It provides an overview of key themes and issues including demographic ageing, social constructions of ageing, retirement, social divisions and public policy directions.

BACH3096
Older People in the Community

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 1 **Classes:** Independent learning package: off-campus **Assumed knowledge:** BACH1098 Introduction to Health Sociology **Assessment:** Two assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit examines the home and community environment of older people in relation to social factors which affect their health and quality of life.

BACH3126
Research Project Development

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1, Semester 2 **Classes:** Three 1hr classes on-campus plus off-campus materials **Assessment:** Three assignments, 6000 words in total (weighted 28%, 28% and 44%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will 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 in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced. By the end of this unit students will have developed a research proposal.

BACH2137
Health Policy Development

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Thirteen 1hr lectures, 12 tutorials **Assessment:** 1000

word project, 3000 word project, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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

The unit examines development and implementation of health policies in Australia. It provides a socio-demographic analysis of changing pattern of morbidity and mortality in Australia over time and their impact on health planning and policy development. The unit uses cross-sectional analysis in identifying health issues and health priorities. It focuses on policy determinants, organisational context in policy making, and health policy and financing. Students will develop skills in assessing community health needs; developing health policy and implementation; and monitoring and evaluation of health programs.

BACH3130
Sport, Society & Social Theory

Credit points: 6 **Teacher/Coordinator:** Mr Ian Andrews **Session:** Semester 2 **Classes:** 2hr lecture for 13 weeks **Prerequisites:** BACH1130 Foundations of Health Sociology/Introduction to Health Sociology or BACH1134 Health, Illness and Social Inquiry or BACH1161 Introductory Behavioural Health Sciences **Prohibitions:** BACH3081 Sociology of Sport **Assessment:** 1000 word essay, 3000 word essay, 2hr exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit draws on the work of numerous social theorists to elucidate the origins, nature and prospects of modern sporting forms and practices. The theorists covered include Norbert Elias, Max Weber, Emile Durkheim, Karl Marx, Antonio Gramsci and Jurgen Habermas. The topics covered include: the social development of modern sports; the functional similarities of sport and religion; ideology, power and politics in contemporary sport; gender, feminism and women's sport; the history of the Olympic Games; the structural transformation of professional football leagues and the role of sport in the formation of self-identity.

Textbooks
Book of readings

BACH3132
Contemporary Issues in Health & Medicine

Credit points: 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Assessment:** Case study, report/seminar **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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

Students familiarise themselves with contemporary issues in health and medicine. The combined knowledge and skills from previous learning is utilised in their critical evaluation of these issues.

BACH3133
Health Planning, Policy and Evaluation

Credit points: 3 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** 1hr/week **Assessment:** Assignment (project) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The purpose of this unit is to introduce students to the basic elements of needs assessment, program planning and evaluation in areas of health and health services. Topics include program planning concept, concept of need assessment, theories of change, implementation process and evaluation techniques.

Textbooks
Book of readings

BACH3143
Counselling Skills

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1 **Classes:** 4 hrs/week **Assessment:** Practical assessment (20%), assignment (40%), exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit begins by presenting students with relevant theory and skills in counselling before considering special applications of helping skills such as team decision making, mediation, negotiation and motivational interviewing. The counselling relationship is then explored, with an overview of issues and techniques involved in the psychological treatment of children, adults and families. Major approaches to counselling and psychotherapy will be represented and contrasted. Students will develop skills in basic communication and counselling approaches and will develop an awareness of the techniques that underlie creditable psychotherapies. A seminar program will provide an opportunity to develop basic counselling and behaviour change skills.

BACH3146
Cyberpsychology and e-Health

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2 **Classes:** 1hr lectures for 12 weeks **Assessment:** Two 2000 word essays, quizzes, 2hr 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 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-pharmocology 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; and future directions of information technology and its application to health.

Textbooks
No set textbook but recommended reading will be outlined

BACH4017
Epidemiological Research

Credit points: 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 2 **Classes:** 2hr lectures, tutorials/week **Prerequisites:** HIMT3032 Epidemiology **Assessment:** Open book exam or assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of causal hypotheses.

BACH4019
History and Philosophy of Science

Credit points: 3 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** Distance education **Assessment:** Two 1000 word assignments **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 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)

BACH4043
Intermediate Statistics

Credit points: 3 **Teacher/Coordinator:** Dr Rob Heard, Dr Zakia Hossain **Session:** Semester 2 **Classes:** Distance education/some intensive classes **Prerequisites:** BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research **Assessment:** Written assignments, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in previous research methods units. 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.

BACH4045
Qualitative Research Methods

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** Wednesdays, 4-7pm **Assessment:** Two assignments **Practical field work:** 2 hrs fieldwork **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

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)

BACH4046
Survey Research Methods

Credit points: 3 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 2 **Classes:** Monday, 5-8pm **Assessment:** Eight page essay (50%), 10 page essay (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

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.

BACH4047
Developing a Research Project

Credit points: 4 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1, Semester 2 **Classes:** On-campus, 3hrs/week or distance mode **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

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

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods and introduce the research electives that concentrate on a particular methodology or aspect of the research process. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will 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 in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced.

BACH4055
Intermediate Statistics

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1 **Classes:** On-campus, 3hrs/week **Assessment:** Written assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in BACH2115 Research Methods I and BACH3059 Research Methods II. 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.

BACH4056
Qualitative Research Methods

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** On-campus, 3hrs/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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. In addition, students work on a research project of their choice throughout the semester.

Textbooks
Silverman D, Doing Qualitative Research (2nd ed), Sage (2005)

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 (33.3% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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.

BACH4071
Evidence Based Health Care Research

Credit points: 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** Thirteen 2hr lectures **Assumed knowledge:** BACH1139 Health and Research Design - General **Assessment:** Open book exam or 1500 word assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

One of the greatest challenges in modern health care is knowing how to use the results of research in the context of decision making regarding an individual client. This unit provides students with the skills necessary for critical reading of reviews prepared by Cochrane Collaboration concerned with the efficacy of interventions and aetiology of health outcomes.

BACH4072
Behavioural Epidemiology

This unit of study is not available in 2009

Credit points: 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1 **Classes:** lectures/tutorials 2 hrs/wk **Assumed knowledge:** BACH2115 Research Methods I or equivalent **Assessment:** open book exam or assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Behavioural pidemiology is the study of the distribution and deteminants of the behavioural components of health outcomes. This unit provides students with the skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of behavioural interventions and the role of behavioural and other factors in the aetiology of health outcomes.

BACH4073
Metabolic Epidemiology

Credit points: 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** 2hrs lectures, tutorials/week **Prerequisites:** HIMT3032 Epidemiology **Assumed knowledge:** BACH1139 Health and Research Design - General **Assessment:** Open book exam or assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Metabolic epidemiology is the study of the distribution and determinants of health outcomes associated with human metabolic status. Metabolic status can be defined variously by anthropometric measures (e.g., body measure of fat distribution), physiological measures (e.g., muscle strength, energy expenditure and exercise levels) and nutritional status (e.g., dietary intake). This unit provides students with the background and skills necessary for critical reading

of profession-based papers in the clinical and research literature concerned with the efficacy of environmental interventions and the role of environment and metabolism with other factors in the aetiology of health outcomes.

BACH4080
Research Thesis Support

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Classes:** No formal classes: individual consultation as required **Prerequisites:** AHCD3016 Writing a Research Proposal, AHCD4052 Honours Workshop **Assessment:** 3000 word assignment **Campus:** Cumberland **Mode of delivery:** Distance Education

The aim of this unit is to assist with the final stage of writing the honours thesis. Students will complete a draft of the research thesis during this unit of study.

BACH4082
Research Project: Data Collection

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 1 **Classes:** Variable with project **Assessment:** Literature review (75%), research findings presentation (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is available only to honours students

Students will undertake a supervised research project. By the completion of this unit, students will have collected data to answer a research question.

BACH4083
Research Project: Interpretation

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Classes:** Variable with project **Assessment:** Research thesis (journal article format) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Student will evaluate and interpret the findings of the research project commenced in BACH4082 Research Project: Data Collection.

BACH4084
Special Investigation

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Prohibitions:** This unit is available only to honours students **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Under the supervision of an academic staff member, students will conduct a detailed investigation in a relevant topic area. Mode of delivery will vary according to student numbers. Assessment tasks may also vary between topics, but total assessment load will be commensurate with FHS student workload guidelines.

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 **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:** One 2 hour lecture 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/MBLG2971or 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. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: BExSci/BSc(Nutrition) students successfully progressing though 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, Prof Philip Kuchel **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. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: BExSci/BSc(Nutrition) students successfully progressing though 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 new methods, including magnetic resonance techniques, molecular biology methods and microarray technologies, as well as 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.

BHSC3014
Honours Research Proposal

Credit points: 6 **Teacher/Coordinator:** Dr Chin Moi Chow **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

Note: Department permission required for enrolment.

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.

BIOL1003
Human Biology

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures per week (3 lectures in weeks 1 and 11). One 3 hour practical class and 6-9 hours HBOnline work every two weeks covering online practical activities, prework and homework. **Prohibitions:** BIOL1903, EDUH1016. **Assumed knowledge:** HSC 2-unit Biology. Students who have not taken HSC biology are strongly advised to take the Biology Bridging Course in February. **Assessment:** One 2.5 hour exam, assignment, poster and quizzes. **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 three main components: lectures, practicals and HBOnline 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. 2005. Essentials of Anatomy and Physiology. 5th ed., McGraw Hill.
Mader, Sylvia. Human Biology 8th edition. McGraw Hill, (Chapters 19, 24, 26)

BIOS1127
Body Systems I

Credit points: 3 **Teacher/Coordinator:** Dr Catherine Willis **Session:** Semester 2 **Classes:** Three 1hr lectures/week, three 2hr practical classes in the semester **Assumed knowledge:** BIOS1126 Human Biology and Biochemistry **Assessment:** 40min exam (25%), 2hr exam (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit builds on the foundation studies of BIOS1126 Human Biology and Biochemistry undertaken in Semester 1. It begins with the study of organ systems in the body, focusing on the cardiovascular and respiratory systems. In addition, the topics of infection control and immunology extend the concept of maintenance of homeostasis with discussion of the body's defenses and barriers to invading organisms. Some general concepts relating to the handling of drugs by the body are introduced and some drugs affecting the function of the autonomic nervous system will be discussed.

BIOS1137
Introductory Neuroscience

Credit points: 3 **Teacher/Coordinator:** Dr Alan Freeman **Session:** Semester 1 **Classes:** Two 1hr lectures/week, 9hrs practical classes/semester **Assessment:** 1hr mid semester written exam (40%), 2hr end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the basic structure and function of the nervous system. The physiological aspects of the unit cover the mechanisms of signal generation and transmission in the nervous system, spinal reflexes, the somatosensory and autonomic nervous systems and the descending motor pathways. The anatomy component of the unit presents the basic structure of the spinal cord and the brain.

BIOS1139
Functional Anatomy B

Credit points: 3 **Teacher/Coordinator:** Dr Catherine Willis **Session:** Semester 1 **Classes:** On-campus, 30hrs **Assumed knowledge:** BIOS1136 Functional Anatomy A **Assessment:** Intrasemester practical exam (35%), end semester exam (65%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study begins with a detailed examination of the gross anatomical structure and functional anatomy of the lower limb. During the second half of the semester students will study the gross anatomy, and its functional applications, of the vertebral column thoracic cage and pelvis. Material will be presented in lectures, tutorials and practical sessions; students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks
Palastanga, Field & Soames, Anatomy and Human Movement (5th ed), Butterworth Heinemann Elseviers
Abrahams, Hutchings & Marks, McMinn's Colour Atlas of Human Anatomy (5th ed), Mosby Elsevier

BIOS1141
Neuroscience II

Credit points: 3 **Teacher/Coordinator:** Dr Ros Bohringer **Session:** Semester 1 **Classes:** Three 1hr lectures/week, 2hr practical (5 weeks/semester- not blocks), three 1hr tutorials (3 weeks/semester- not blocks) **Assessment:** Mid semester exam (30%), end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide basic understanding of the anatomy and physiology of neural structures. The anatomy of the spinal cord and the brain is presented and studied on models and human cadavers. The basic mechanisms of spinal reflexes and the function of the somatosensory system comprise the physiological aspects of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Case studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for the students of the profession.

Textbooks
Crossman AR & Neary D, Neuroanatomy, an Illustrated Colour Text (2nd ed), Churchill Livingstone

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%), 2hr end semester assessment MCQ exam and 1hr MCQ exam (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 computer-based, self-directed learning packages prior to some practical sessions. 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.

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 **Assessment:** 1hr exam (30%), 2hr exam (70%) **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. 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-Related Professions (2nd ed), WB Saunders (2000)
Martini F, Fundamental Anatomy and Physiology (6th ed), Prentice Hall Publishing Co (2004)

BIOS1163
Speech Science

Credit points: 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 1 **Classes:** Four 1hr lectures/week, 11 2hr pracs/semester **Assessment:** 1hr exam (30%), 2hr exam (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 pracs/semester **Assumed knowledge:** BIOS1116 Speech Science I or BIOS1163 Speech Science **Assessment:** 1hr exam (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide an understanding of the anatomy, physiology and physics of hearing and immunology and pathology of diseases of the head and neck. It also includes the development of the ear and principles of abnormal development. 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)

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 **Assessment:** Mid and end semester exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who have not completed Human Biology and Biochemistry or its equivalent will be required to attend additional tutorials

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 (2nd ed), Churchill Livingstone

BIOS1167
Human Cell Biology

Credit points: 6 **Teacher/Coordinator:** Dr Laura Batmanian **Session:** Semester 1 **Classes:** 4hrs lectures/week **Assumed knowledge:** Basic Chemistry **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 fundadmental principles to practices of health care is examined.

Textbooks
Timberlake K, An Introduction to General, Organic and Biological Chemistry (9th ed), Pearson Education
Stephens TD and Tate P, Anatomy and Physiology (7th ed), McGraw Hill, Boston (2006)

BIOS1168
Functional Musculoskeletal Anatomy A

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3hr lectures, 2hr tutorial/week **Assessment:** Mid semester exam (25%), end semester practical exam (25%), end semester exam (50%) **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 upperlimb as it relates to functional activities. Students willl 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.

Textbooks
Palastanga N, Field D and Soames R, Anatomy and Human Movement Structure and Function (5th ed), Butterworth Heinemann Elsevier (2006)
Abrahams PH, Boon JM and Spratt JD, McMinn's Clinical Atlas of Human Anatomy, Mosby Elsevier (2008)

BIOS1169
Functional Musculoskeletal Anatomy B

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3hr lectures, 2hr tutorial/week **Prerequisites:** BIOS1168 Functional Musculoskeletal Anatomy A **Assessment:** Mid semester exam (25%), end semester practical exam (25%), end semester exam (50%) **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.

Textbooks

Palastanga N, Field D and Soames R, Anatomy and Human Movement Structure and Function (5th ed), Butterworth Heinemann Elsevier (2006)
Abrahams PH, Boon JM and Spratt JD, McMinn's Clinical Atlas of Human Anatomy, Mosby Elsevier (2008)

BIOS1170
Body Systems: Structure and Function

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three 1hr lectures, one 2hr practical/week **Prohibitions:** BIOS1127 Body Systems I, BIOS1133 Body Systems: Structure & Function I, BIOS2098 Body Systems: Structure & Function II, BIOS2099 Body Systems II and Pharmacology **Assumed knowledge:** BIOS1167 Human Cell Biology or equivalent **Assessment:** Two 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, Fundamentals of Anatomy and Physiology

BIOS1171
Neuroscience

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three 1hr lectures, 3hrs practical/week, with a small online component **Prohibitions:** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists **Assessment:** Mid and end semester exam **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 of Rehabilitation (3rd ed), Saunders (2007)
Crossman A and Neary D, Neuroanatomy: An Illustrated Colour Text (2nd ed), Churchill Livingston (2000)

BIOS1172
Biological Aspects of Ageing

Credit points: 6 **Session:** Semester 1 **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required **Assumed knowledge:** Physiology of body systems **Assessment:** 2hr exam (50%), 2000 word essay (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 **Session:** Semester 2 **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required **Assumed knowledge:** Physiology of body systems **Assessment:** 2hr exam (50%), 2000 word essay (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:** Mid semester exam (30%), final exam (70%) **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 as well as 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.

BIOS2098
Body Systems: Structure & Function II

Credit points: 3 **Teacher/Coordinator:** Dr Elizabeth Hegedus **Session:** Semester 1 **Classes:** Three 1hr lectures/week, weeks 1-10 **Assumed knowledge:** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA or CHEM1001 Fundamentals of Chemistry 1A **Assessment:** 30min MCQ exam (20%), 2hr MCQ/SAQ exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will present the gross anatomy, functional histology and physiology of the renal, digestive, reproductive and endocrine systems, with particular reference to adaptations occurring during exercise and the impact of exercise on system function where appropriate. In addition, immunology and immunological disorders will be covered.

BIOS2099
Body Systems II and Pharmacology

Credit points: 4 **Teacher/Coordinator:** Dr Elizabeth Hegedus **Session:** Semester 1 **Classes:** 3hr lectures/week for 13 weeks **Assumed knowledge:** BIOS1130 Molecules and Energy **Assessment:** Mid semester MCQ exam, end MCQ/SAQ semester exams, formative assessment with feedback **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will present the gross anatomy, functional histology and physiology of the renal, digestive, reproductive and endocrine systems, with particular reference to adaptations occurring during exercise and the impact of exercise on system function where appropriate. In addition, acid-base balance, pharmacology, immunology and immunological disorders will be covered.

BIOS2103
Neurosciences for Physiotherapists

Credit points: 3 **Teacher/Coordinator:** Dr John Burne **Session:** Semester 2 **Classes:** On-campus, 30hrs **Prerequisites:** BIOS1137 Introductory Neuroscience **Assessment:** Mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit provides an introduction to the anatomy and sensory physiology of the visual, auditory and nociceptive systems. The anatomy and physiology of the cortical and subcortical pathways and integrating centres that control movement and posture are summarized. The basic organization of the associative areas of the cerebral cortex is described and their role in sleep and memory introduced. Tissues from human cadavers will be studied; attendance at these classes is a subject requirement.

BIOS2111
Introductory Toxicology

Credit points: 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 1 **Classes:** 3hrs/week **Assumed knowledge:** Any Junior Biology unit of study **Assessment:** Assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will introduce students to the classification and process of absorption and metabolism and effects of toxic environmental and industrial substances in the body. Topics will include a study of chemical principles related to toxicology, various toxic metals, gases, solvents, pesticides, carcinogens, air pollution, venoms and radiation. The student will be introduced to the principles of hazard identification and risk assessment. An underpinning of basic chemical principles will be included.

BIOS3042
Biological Sciences IIIA

Credit points: 2 **Teacher/Coordinator:** Ms Dana Strain **Session:** Semester 1 **Classes:** Distance education **Assessment:** As specified in learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

BIOS3043
Biological Sciences IIIB

Credit points: 2 **Teacher/Coordinator:** Ms Dana Strain **Session:** Semester 2 **Classes:** Distance education **Prerequisites:** BIOS2096 Body Functions and Disease **Assessment:** As specified in learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

BIOS3063
Project Design and Management

Credit points: 6 **Teacher/Coordinator:** Dr Gary Lee **Session:** Semester 2 **Classes:** 1hr lecture, 2hrs tutorial/week **Assessment:** 1500 word group report (70%), 1000 word individual report (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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:** Dr Karen Ginn **Session:** Semester 2 **Classes:** 1hr lecture, 2hr practical/tutorial class/week **Prerequisites:** BIOS1136 Functional Anatomy A or BIOS1159 Functional Anatomy A- Exercise Science and BIOS1160 Functional Anatomy B- Exercise Science or BIOS1144 Functional Anatomy B (Physiotherapy) or BIOS1139 Functional Anatomy B, or BIOS1168 Functional Musculoskeletal Anatomy A and BIOS1169 Functional Musculoskeletal Anatomy B **Assessment:** Formative assessment during practical classes and tutorials. Summative assessment: group project and presentation (40%), written exam (40%), contribution to class activities (20%) **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 quality management in the manufacture of alternative health products, medical indemnity, the relationship between vaccination and disease, and psychoneuroimmunology. Because issues current in health care will change from year to year, student should consult with the unit of study coordinator to ascertain what will be covered in the unit in a particular year. 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 1 **Classes:** Three 1hr lectures/week **Prerequisites:** BIOS2111 Introductory Toxicology **Assessment:** 2hr end semester exam (45%), case study reports (55%) **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 developmental and reproductive toxicology, genetic toxicology and carcinogenesis as well as 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 (on-line worksheets) and assessment tasks that develop relevant generic skills (written communication).

Textbooks
Casarett and Duoll, Essentials of Toxicology (2003)

BIOS4035
Sexuality for Health Professionals

Credit points: 3 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** This unit is offered online. Attendance on campus is required only for the first session in Wk 1 of the semester **Assessment:** Group work assignment, individual assignment, online mastery type multiple-choice test **Campus:** Cumberland **Mode of delivery:** On-line

Note: This elective 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. The course 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. Sexuality will be explored from a life cycle perspective. Sexual development will be traced from sexual differentiation to old age with consideration of the range of sexual expression at each stage. 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 also be involved in experiential learning activities including value clarification exercises and off-campus experiences. Collaborative learning will be encouraged with online group discussions. Enrolment in this unit will be limited to 80 participants.

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 (75%), laboratory exercises and continuous assessment quizzes (25%) **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. A brief revision of basic concepts of the high school course is given. Chemistry 1A covers chemical theory and physical chemistry. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks
A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

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 (75%), laboratory exercises and continuous assessment quizzes (25%) **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 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 contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CSCD1030
Clinical Linguistics

Credit points: 3 **Session:** Semester 1, Summer Main **Classes:** 3hrs lectures, classes/week **Assumed knowledge:** Knowledge of traditional grammar **Assessment:** Theory exam, grammatical analysis applied skill exams (Barrier) (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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

Students will acquire the knowledge and skills to conduct linguistic analysis and apply this knowledge to understanding normal communication. Students will learn about formal and functional linguistic theories and methodologies and acquire the skills of traditional analysis of syntax. This unit of study prepares students to: understand the nature of communication; apply this knowledge in analysis of communication.

Textbooks
Hand L, Grammar Handbook; available for purchase from the Faculty.
Fromlain, Rodman, Collins & Blair

CSCD1031
Clinical Phonetics & Articulation

Credit points: 3 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1, Summer Main **Classes:** 3hrs/week **Assessment:** Weekly transcription tests (7%), skill based transcription exam- Barrier exam (30%), end semester case-based assignment (20%), 1hr end semester theory exam (43%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must pass this unit in order to enrol in clinical units in Year 2

Students will learn skills of phonemic and phonetic transcription of typical and deviant spoken Australian English, using a prescribed transcription system. A focus will be on applying transcription skills to normal and disordered articulation. This unit of study prepares students with the necessary background knowledge to undertake clinical practice units in Year 2. Students will acquire knowledge about normal articulation and disorders of articulation, including techniques for assessment, analysis and intervention of articulation disorders.

Textbooks
Phonetics 1 Handbook (Available on enrolment or from the cashier)
Bernthal J & Bankson J, Articulation and Phonological Disorders (5th ed), Allyn & Bacon, Boston (2004) (Available from the Co-op Bookshop)
Macquarie Dictionary

CSCD1032
Human Communication

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1 **Classes:** 4hrs lectures/week **Assessment:** Mid and end semester exams, written report, Resuscitation Certificate **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: 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. Each student must show evidence of completion of an accredited Resuscitation Course in order to receive a Pass grade in this unit. 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 (2005)
McLaughlin S, Introduction to Language Development, Singular, San Diego (2006)
Mohan T et al, Communicating as Professionals (2nd ed), Thomson, Victoria (2008)

CSCD1033
Child Phonology

Credit points: 6 **Teacher/Coordinator:** Dr Elise Baker **Session:** Semester 2 **Classes:** 5hrs lectures/week **Assumed knowledge:** CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication **Assessment:** Skill based test, case study assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must pass this unit in order to enrol in clinical units in year 2

Students will acquire knowledge about phonology and phonological disorders and will cover techniques for assessment, analysis and intervention of phonological disorders through problem-based and project based learning activities. Participants will learn skills of phonological analysis and critically evaluate the evidence for best practice in assessment, diagnosis and treatment of phonological disorders. This unit of study provides students with the theoretical background to phonological development and impairment, to equip them to be beginning speech pathology student-clinicians in their clinical practice units in Year 2.

Textbooks

Baker E, Articulation and Phonology Workbook, The University of Sydney, Sydney (2005) (Available from the cashier) Bring this workbook to each lecture.
Klein HB & Moses N, Intervention planning for children with communication disorders, Allyn & Bacon, Needham Heights (1999)
Paul R, Introduction to Clinical Methods in Communication Disorders, Paul H Brookes, Baltimore (2002)

CSCD2057
Child Language

Credit points: 6 **Teacher/Coordinator:** Dr Kimberley Docking, Dr Natalie Munro **Session:** Semester 1 **Classes:** Five 1hr lectures/week with associated WebCT activities **Prerequisites:** CSCD1030 **Assumed knowledge:** CSCD1032 Human Communication **Assessment:** Case-based assessment and therapy plan, clinical report critique and follow-up assessment plan, end semester case-based exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a pre-requisite for the '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:** Assoc Prof Michelle Lincoln **Session:** Semester 1 **Classes:** 3hrs lectures, 1hr half group tutorial/week **Assumed knowledge:** CSCD1032 Human Communication **Assessment:** Online tasks, assignment, prolonged speech viva (Barrier task), final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a pre-requisite 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, (2003).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

CSCD2059
Clinical Processes

Credit points: 3 **Teacher/Coordinator:** Ms Belinda Kenny, clinical educators **Session:** Semester 1 **Classes:** 2hrs/week **Corequisites:** CSCD2060 Introductory Practice: Clinical OR CSCD2061 Introductory Practice: Community **Assessment:** Written assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a pre-requisite for Year 3 (Intermediate) speech pathology clinical units of study

This unit will consider issues directly related to clinical practice units 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

Clinical Education Handbook, School of Communication Sciences & Disorders, University of Sydney (2005). Available on clinic website

CSCD2060
Introductory Practice 1: Clinical

Credit points: 3 **Teacher/Coordinator:** Ms Annie Chan, Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **Corequisites:** CSCD2057 Child Language, CSCD2059 Clinical Processes **Prohibitions:** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Clinical paperwork, clinical checklist (mid and end semester), worksheets, log book **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2060 Introductory Practice 1: Clinical in semester 1 who do not pass will need to discuss their enrolment in CSCD2061 Introductory Practice 1: Community with the Director of Clinical Education prior to the commencement of semester 2.

Students work with a senior 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.

Textbooks

Introductory Practice handbook
Competency Based Occupational Standards (CBOS)- Speech Pathology Australia, Melbourne (revised 2001)

CSCD2061
Introductory Practice 1: Community

Credit points: 3 **Teacher/Coordinator:** Ms Annie Chan, Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **Corequisites:** CSCD2057 Child Language, CSCD2059 Clinical Processes **Prohibitions:** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Clinical paperwork, clinical checklist (mid and end semester), worksheets, log book **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2061 Introductory Practice 1: Community in Semester 1 who do not pass will need to discuss their enrolment in CSCD2060 Introductory Practice 1: Clinical with the Director of Clinical Education prior to the commencement of semester 2.

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
Introductory Practice handbook
Competency Based Occupational Standards (CBOS)- Speech Pathology Australia, Melbourne (revised 2001)

CSCD2062
Motor Speech and Dysphagia

Credit points: 6 **Teacher/Coordinator:** Dr Kirrie Ballard, Ms Christine Sheard **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** BIOS1166 Neuroscience **Assumed knowledge:** BIOS1163 Speech Science **Assessment:** MBS assessment, viva, case assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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 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
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)

CSCD2063
Voice and Voice Disorders 1

Credit points: 3 **Teacher/Coordinator:** Ms Cate Madill **Session:** Semester 2 **Classes:** 3hrs lectures, 1hr masterclass/week **Prerequisites:** BIOS1163 Speech Science **Corequisites:** CSCD2060 Introductory Practice I: Clinical or CSCD2061 Introductory Practice I: Community **Assumed knowledge:** BIOS1165 Hearing Science and Audiology, CSCS1031 Clinical Phonetics & Articulation **Assessment:** 1hr exam (30%), 2500 word assignment (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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 fuction; iii) different voice techniques and facilitating vocal change in the non-disordered population; in relation to themselves, a fellow student and class cases.

Textbooks
Behrman A, Voice and Speech Science, Whurr, London (2007)

CSCD3023
Neurogenics II

Credit points: 4 **Teacher/Coordinator:** Ms Christine Sheard **Session:** Semester 1 **Classes:** 4hrs/week on-campus **Assumed knowledge:** CSCD2047 Neurogenics I **Assessment:** Two assignments (55%, 45%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Characteristics of acquired aphasia and cognitive language in adults and children; critical review of evaluation and intervention strategies; investigation of communication breakdown and its management in dementia, non-dominant cerebral lesions, closed head injury and memory impairment.

CSCD3024
Communication and Lifelong Disability

Credit points: 3 **Teacher/Coordinator:** Mr David Trembath **Session:** Semester 1 **Classes:** 2-3hrs/week on-campus **Prerequisites:** CSCD1028 Normal Communication Development **Assessment:** Exam, viva, Makaton exam **Practical field work:** Makaton training **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Consideration of the communication issues relevant to children and adults with lifelong disability and those who support them. Topics include intellectual disability, cerebral palsy, multiple sensory impairment, autism and an introduction to alternative and augmentative communication. There will be a focus on a social model of disability. The needs of families, carers and culturally and linguistucally diverse populations will be explored. Students will have the opportunity to develop skills in Makaton keyword signing.

CSCD3032
Professional Development III

Credit points: 3 **Teacher/Coordinator:** Dr Bronwyn Hemsley **Session:** Semester 1 **Classes:** 1-2hrs/week on-campus **Prerequisites:** CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I, CSCD2052 Professional Development IIB **Assumed knowledge:** CSCD2049 Introductory Clinical II or CSCD2054 Communication Fieldwork II **Assessment:** Interdisciplinary report, assignment, TAM, attendance- all assessed on a pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study involves lectures, tutorials and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio through involvement in relevant professional, community or clinical activities. Students become involved in the running and maintenance of the clinical tests and materials collection.

CSCD3034
Craniofacial Anomalies

Credit points: 3 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Assumed knowledge:** BIOS1116 Speech Science I and BIOS1117 Speech Science II, or CSCD2030 Voice Science and Disorders **Assessment:** Mid semester assignment (20%), end semester assignment (50%), final exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Problems of craniofacial anomalies, relevant nose, throat and orthodontic pathologies and their effects on communication; implications for assessment and management; instrumental assessment of nasality.

CSCD3036
Language Impairments in Children III

Credit points: 2 **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II **Assumed knowledge:** CSCD2049 Introductory Clinical II **Assessment:** Two assignments (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Advanced concepts in the assessment of and intervention for language impairment in children.

CSCD3037
Swallowing Impairments

Credit points: 2 **Teacher/Coordinator:** Ms Christine Sheard **Session:** Semester 1 **Classes:** 3hrs/week on-campus **Prerequisites:** BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS1117 Speech Science II **Assessment:** Two exams (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Description, evaluation and intervention considerations related to clinical management of feeding and swallowing impairments in children and adults. A focus on case problem solving will be emphasised to achieve integration of theory and practical skills.

CSCD3049
Audiological Management II

Credit points: 2 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD2040 Audiology I **Assumed knowledge:** CSCD1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I **Assessment:** Mid semester assignment (30%), final exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Theoretical and clinical issues related to assessment and intervention of the communication problems of children with acquired and congenital hearing loss.

CSCD3050
Intermediate Clinical IH

Credit points: 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II **Assessment:** Compass, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students work with adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks.

Textbooks
COMPASS Resource Manual

CSCD3051
Honours Research Seminar I

Credit points: 2 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 1 **Classes:** 1hr/week on-campus **Assessment:** Topic review **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is designed to assist honours students with a survey of the literature relevant to their individual research projects. At the completion of this unit each student will have prepared a written literature review for his/her research project.

CSCD3052
Professional Development IIIH

Credit points: 1 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1 **Classes:** 1-2hrs/week on-campus **Prerequisites:** CSCD2052 Professional Development IIB, CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I **Assumed knowledge:** CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II **Assessment:** TAM, attendance- assessed on pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study involves lectures, tutorials, and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio, through involvement in relevant professional, community or clinical activities. Students are involved in the running and maintenance of the clinical tests and materials collection.

CSCD3053
Intermediate Clinical IIH

Credit points: 7 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD2030 Voice Science and Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD3050 Intermediate Clinical IH, BIOS2062 Neurobiology II: Communication Disorders **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students may be rostered to complete some parts of this unit during the intersemester breaks. Students also complete a four days per week, three or four-week block placement in an adult hospital clinic. This placement will occur mid year before Semester 2 and after the student has completed CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments and their Speech and Language Assessment clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

Textbooks
COMPASS Resource Manual

CSCD3054
Honours Research Seminar II

Credit points: 1 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** 1hr/week on-campus **Prerequisites:** CSCD3051 Honours Research Seminar I **Assessment:** Ethics application (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is designed to assist honours students with the development of a research proposal for their individual research projects. At the completion of this unit each student will have prepared a written proposal for his/her research project.

CSCD3055
Audiology II

Credit points: 4 **Session:** Semester 1 **Classes:** 2-3hrs/week on-campus **Prerequisites:** CSCD2040 Audiology I **Assessment:** Three assignments (25%, 25%, 50%) **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.

CSCD3056
Communication Fieldwork III

Credit points: 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2, Summer Early **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2054 Communication Fieldwork II, CSCD2042 Language Impairments in Children II **Assessment:** Project report (100%), paperwork (mandatory) **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students will participate in a project based placement either within the on-campus clinic or an outside agency. This placement will provide an opportunity to begin to develop skills in professional communication, professional conduct, observation, data management and professional writing.

CSCD3057
Communication Fieldwork IV

Credit points: 8 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2, Summer Early **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2046 Audiological Management I, CSCD3056 Communication Fieldwork III **Assessment:** Portfolio and report (100%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students assume increased responsibility in a project based placement either within the on-campus clinic or an outside agency. This unit of study will provide further opportunity to participate in project management and report writing. Some part of this placement may be completed either mid-year before Semester 2 or at the end of year after Semester 2. Students will also develop skills in the development of professional portfolios as they will submit a portfolio which must be deemed satisfactory to be eligible for a pass in this unit of study.

CSCD3058
Auditory Perception and Processing

Credit points: 2 **Session:** Semester 1 **Classes:** 1hr/week on-campus **Prerequisites:** BIOS1118 Hearing Science, BIOS1141 Neuroscience II **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Development of auditory perception and perceptual capacities of the ear; theories of processing auditory information at both peripheral and central levels. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

CSCD3059
Communication Studies

Credit points: 4 **Session:** Semester 1 **Classes:** 2hrs/week on-campus **Assessment:** Two assignments (50% ea), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit of study will explore issues in managing communication in the workplace. The unit of study will focus on verbal and written communication and working with related technology. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

CSCD3060
Readings 1

Credit points: 4 **Session:** Semester 1, Semester 2 **Classes:** 2-3hrs/week on-campus **Assessment:** Assignment (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit of study allows students to work with a supervisor exploring a major area of specialty in the program via readings and self directed learning. Students identified for this unit will be of a calibre to proceed to the honours program. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

CSCD3061
Directed Readings

Credit points: 2 **Session:** Semester 1, Semester 2 **Classes:** 1hr/week on-campus **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study allows students to work with a supervisor exploring a major area of specialty in the program via readings and self directed learning. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

CSCD3063
Intermediate Clinical IA

Credit points: 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2042 Language Impairments in Children II, CSCD2049 Introductory Clinical II **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students work with child clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic or equivalent for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks. Students are rostered through the Speech and Language Assessment Clinic.

Textbooks
COMPASS Resource Manual

CSCD3064
Intermediate Clinical IIA

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement on and off-campus depending on availability **Prerequisites:** CSCD2030 Voice Science and Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD3063 Intermediate Clinical IA, BIOS2062 Neurology II: Communication Disorders **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students assume greater responsibility for management of adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study. Students may be rostered to complete some parts of this unit of study during the intersemester breaks. Students also complete a four days per week, three or four-week block placement in an adult hospital clinic. This placement will occur at end-of-year after Semester 2 and after the student has completed CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

Textbooks
COMPASS Resource Manual

CSCD3065
Intermediate Clinical IB

Credit points: 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students work with adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic or equivalent for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks.

Textbooks
COMPASS Resource Manual

CSCD3066
Intermediate Clinical IIB

Credit points: 8 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD3065 Intermediate Clinical IB, BIOS2062 Neurobiology II: Communication Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD2030 Voice Science and Disorders **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of this unit of study. Students are rostered through the Speech and Language Assessment Clinic. Students may be rostered to complete some parts of this unit during the intersemester breaks. Students also complete a four days per week, three or four week block placement in an adult hospital clinic. This placement will occur mid-year before Semester 2 commences and after the student has completed CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

Textbooks
COMPASS Resource Manual

CSCD3068
Directed Readings II

Credit points: 2 **Session:** Semester 1, Semester 2 **Classes:** 1hr/week on-campus **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study allows students to work with a supervisor to explore a major area of speciality in the program via readings, seminars and self-directed learning. This unit of study may be taken as an elective unit with the permission of the program coordinator.

CSCD3073
Readings II

Credit points: 4 **Session:** Semester 1, Semester 2 **Classes:** 2-3hrs/week on-campus **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit of study allows students to work with a supervisor exploring a major area of speciality in the program via readings and self-directed

learning. Students identified for this unit will be of a calibre to proceed to the honours program. This unit of study may be taken as an elective unit with the permission of the program coordinator.

CSCD4026
Advanced Topics A

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1 **Classes:** On-campus, variable times depending on topic **Prerequisites:** CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select a number of separate advanced study topics from among those offered by the program in areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each topic area undertaken.

CSCD4027
Professional Development IVA

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD3032 Professional Development III, CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Project contract (10%), progress report (10%), presentation (20%), final report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural heath issues. Students continue to be involved in the running and maintenance of the Tests and Materials collection.

CSCD4028
Advanced Clinical IA

Credit points: 10 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities of the on-campus clinic. They participate in supervisory conferences with their clinical educators and other students. Students also participate in the Advanced Assessment Clinic and Intake Clinic.

Textbooks
COMPASS Resource Manual

CSCD4030
Advanced Topics B

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 2 **Classes:** On-campus, variable times depending on topic **Prerequisites:** CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select a number of separate advanced study topics from among those offered by the program in areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each topic area undertaken.

CSCD4031
Professional Development IVB

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD3032 Professional Development III, CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Project contract (10%), progress report (10%), presentation (20%), final report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural heath issues. Students will continue to be involved in the running and maintenance of the Tests and Materials collection.

CSCD4032
Advanced Clinical IB

Credit points: 10 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences on a regular basis. Students also participate in the Advanced Assessment Clinic and Intake Clinic. 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 Resource Manual

CSCD4035
Advanced Clinical IH

Credit points: 22 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD3053 Intermediate Clinical IIH **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students are placed in two off-campus clinic, hospital or other setting for four days per week for two 6 or 7-week blocks each or one off-campus clinic, hospital or other setting for four days per week for one 12-week block. Over the semester they manage a varied child and adult caseload, participate in a variety of clinical management, clinical service and multidisciplinary team activities and participate in supervisory conferences on regular basis.

Textbooks
COMPASS Resource Manual

CSCD4036
Professional Development IVH

Credit points: 2 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD3052 Professional Development IIIH, CSCD3053 Intermediate Clinical IIH **Assessment:** Attendance, assessed on pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students enrolled in this unit of study will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education and rural health issues. Students continue to be involved in the running and maintenance of the Tests and Materials collections.

CSCD4037
Advanced Clinical IIH

Credit points: 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD3053 Intermediate Clinical IIH **Assessment:** 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 semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment and Intake Clinics.

Textbooks

COMPASS Resource Manual

CSCD4038
Honours Thesis

Credit points: 10 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** Independent learning **Prerequisites:** CSCD3051 Honours Research Seminar I, CSCD3054 Honours Research Seminar II, satisfactory performance in all Year 3 units of study **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides honours students with the opportunity to undertake a supervised research project in an area of human communication sciences or disorders. As part of this and the other honours units, 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.

CSCD4039
Honours Paper I

Credit points: 6 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 1 **Classes:** Independent learning **Corequisites:** CSCD4045 Honours Thesis I **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Each student engages in an in-depth literature review related to the area of research and prepares a comprehensive outline of the topic. Seminars support students' work.

CSCD4040
Honours Paper II

Credit points: 6 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** Independent learning **Prerequisites:** CSCD4039 Honours Paper I, CSCD4045 Honours Thesis I **Corequisites:** CSCD4046 Honours Thesis II **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The student continues the literature review related to the research project and prepares an integrated paper on the topic. Seminars support students' work.

CSCD4042
Clinical Mentoring A

Credit points: 2 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** Pairing with Yr 2 student in on-campus clinic placement **Corequisites:** CSCD4028 Advanced Clinical IA **Assessment:** Mentoring skills checklist, mid and end semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work and effective time management.

CSCD4043
Clinical Mentoring B

Credit points: 2 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** Pairing with Yr 2 student in on-campus clinic placement **Corequisites:** CSCD4032 Advanced Clinical IB **Assessment:** Mentoring skills checklist, mid and end semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work and effective time management.

CSCD4044
Clinical Mentoring H

Credit points: 2 **Teacher/Coordinator:** Ms Nadia Madonna **Session:** Semester 2 **Classes:** Pairing with Yr 2 student in on-campus clinic placement **Corequisites:** CSCD4037 Advanced Speech Pathology Clinical IIH **Assessment:** Mentoring skills checklist, mid and end semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work and effective time management.

CSCD4045
Honours Thesis I

Credit points: 18 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 1 **Corequisites:** CSCD4039 Honours Paper I **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides the student with the opportunity to undertake a supervised research project. The student develops a research study and submits an ethics proposal.

CSCD4046
Honours Thesis II

Credit points: 18 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** Independent learning **Prerequisites:** CSCD4039 Honours Paper I, CSCD4045 Honours Thesis I **Corequisites:** CSCD4040 Honours Paper II **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides the student with the opportunity to undertake a supervised research project. The student submits a thesis describing the project. In completing the research and thesis, the student works closely with an academic staff member who serves as the supervisor.

CSCD4047
Advanced Clinical IIA: Adult

Credit points: 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Satisfactory completion of adult clinical practice portfolio for eligibility for professional association membership upon graduation. Participation in a 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 **Practical field work:** Clinical experience (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students are placed in one off-campus clinic, hospital, or other settings for four days per week for one 6-7 week block. Over the semester they manage a varied adult client 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 Resource Manual

CSCD4048
Advanced Clinical IIA: Child

Credit points: 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Satisfactory completion of child clinical practice portfolio for eligibility for professional association membership upon graduation. Participation in a 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 **Practical field work:** Clinical experience (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students are placed in one off-campus clinic, hospital, or other settings for four days per week for one 6-7 week block. Over the semester they manage a varied child client 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 Resource Manual

CSCD4049
Advanced Clinical IIB: Adult

Credit points: 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Practical field work:** Clinical placements (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one 6-7 week block. Over the semester they manage a varied adult caseload, participate in a variety of clinical management, clinical service, multidisciplinary team activities and participate in supervisory conferences on a regular basis.

Textbooks
COMPASS Resource Manual

CSCD4050
Advanced Clinical IIB: Child

Credit points: 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Practical field work:** Clinical placements (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one 6-7 week block. Over the semester they manage a varied child caseload, participate in a variety of clinical management, clinical service, multidisciplinary team activities and participate in supervisory conferences on a regular basis.

Textbooks
COMPASS Resource Manual

EXSS1018
Biomechanics of Human Movement

Credit points: 6 **Teacher/Coordinator:** Dr Mark Halaki **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs tutorial/practicals **Assumed knowledge:** HSC mathematics **Assessment:** Mid and end semester exams, laboratory report **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:** 3hrs lectures, 2 hrs practical/week **Assumed knowledge:** BIOS1137 Introductory Neuroscience or BIOS1166 Neuroscience, one of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A, EXSS1031 Cell Metabolism and Biochemistry **Assessment:** Mid semester exam (40%), end semester exam (60%) **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. Aspects related to cardiovascular risk and muscular injury relevant to high-resistance training are examined. 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 **Session:** Semester 2 **Classes:** 3hrs lectures, 2 hrs practical/week **Assessment:** Assignment (20%), mid semester exam (25%), end semester exam (55%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit encompasses the fundamental principles and practices of exercise science. The student will gain an understanding of the application of these principles to the assessment and development of physical fitness. The unit examines energy expenditure, the energetics of exercise, the measurement of human work performance and exercise responses in the laboratory, the assessment of aerobic and muscular fitness and the fundamentals of programming of cardiorespiratory and resistance training exercise programs for healthy, low-risk individuals. The instructions and tecniques of resistance training will also be delivered.

EXSS2015
Kinesiology for Occupational Therapy

Credit points: 3 **Session:** Semester 2 **Classes:** Two 1hr lectures, two 2hr tutorials, practical/week **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1139 Functional Anatomy B **Assessment:** End semester exam (55%), attendance and involvement tutorials/pracs (10%), task analysis (35%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will focus on concepts of biomechanics and kinesiology will be applied to situations which have specific implications for occupational therapy practice and intervention in activities of daily living and the workplace. Included in these applications are the use of electromyography, biomechanics of lifting techniques and manual handling as well as the kinesiology of the trunk and upper limb.

Textbooks
Greene S and Roberts S, Kinesiology, Movement in the Context of Activity, Mosby (1999)

EXSS2016
Motor Control

Credit points: 3 **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs tutorials/week **Prerequisites:** BIOS1137 Introductory Neuroscience **Assessment:** Mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to provide students with an in-depth understanding of the control and acquisition of motor behaviours from the perspective of neuroscience. It will examine the nature and cause of movement and the maintenance of posture and balance. Models will be developed which emphasise the control of movement as an interaction between the nervous system, skeletal muscle and the environment. This unit considers the mechanics of movement and clinical disorders to extend the application of the motor system model.

EXSS2017
Biochemistry of Exercise

Credit points: 6 **Teacher/Coordinator:** Dr Kieron Rooney **Session:** Semester 1 **Classes:** 3hrs lectures, 3hrs practicals (alternate weeks) **Prerequisites:** EXSS1031 Cell Metabolism and Biochemistry **Assessment:** Mid semester exam (35%), end semester exam (50%), reports (12%), prac (3%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit investigates the biochemical strategies that maintain energy balance in exercising muscle. The structure of the ATP producing pathways and their kinetic characteristics in terms of maximum flux and flux capacity will be described. The role of signals representating exercise intensity and duration in the regulation of oxidative phosphorylation, glycolysis and creatine kinase reaction will be examined in depth. These mechanisms will be demonstrated by reference to specific examples of high power output (sprinting) and

long duration (endurance) activities. The processes of fuel mobilisation during exercise and of fuel storage at rest will be described.

EXSS2018
Biomechanical Analysis of Movement

Credit points: 6 **Teacher/Coordinator:** Dr Benedicte Vanwanseele **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs practicals **Prerequisites:** EXSS1018 Biomechanics of Human Movement **Assessment:** Group project, mid semester exam, end semester exam **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 sophisticated computer software package (APAS). A secondary 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.

EXSS2019
Exercise Physiology - Acute Responses

Credit points: 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practicals, 1hr tutorials **Assumed knowledge:** BIOS1133 Body Systems: Structure and Function I, either EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles of Exercise Science **Assessment:** Mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will investigate the acute responses to exercise, with a specific emphasis on the roles of respiratory system and the cardiovascular system in oxygen transport and the significance of submaximal and maximal oxygen consumption during exercise. In addition, the concepts of acid-base balance during exercise and of lactate and ventilatory thresholds will be examined. Factors determining provision and oxidation of substrate and interactions among carbohydrates and fatty acids will also be investigated. The cellular events underlying muscle plasticity will be considered in relation to their influence on muscle performance or fatigue. The practical sessions play an essential role in this unit of study with students acquiring skills in the collection of cardiorespiratory data, respiratory gas analysis and metabolic calculations. The practical content of the unit, together with the practicals for the unit of study EXSS2022 Exercise Physiology Training Adaptation (Semester 2), is based on the model of assessment/exercise prescription/reassessment which forms the core of future professional practice.

EXSS2021
Nutrition, Health and Performance

Credit points: 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 2 **Classes:** 3hrs lectures, 3hrs practicals (alternate weeks) **Prerequisites:** EXSS2017 Biochemistry of Exercise **Assessment:** End semester exam, poster assignment, practical book **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:** 3hrs lectures, 2hrs practicals **Prerequisites:** EXSS2019 Exercise Physiology - Acute Responses **Assumed knowledge:** EXSS2017 Biochemistry of Exercise or BCHM2072 Human Biochemistry **Assessment:** Mid semester exam, end semester exam **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 EXSS2019 Exercise Physiology - Acute Responses, and will apply theory to practice with a hands-on approach through the conduct of both sprint and endurance training programs.

EXSS2024
Applied Physiology

Credit points: 5 **Teacher/Coordinator:** Mr Phillip Chapman **Session:** Semester 1 **Classes:** 3hrs lectures/week, 3hrs tutorials, two 2hr practical sessions **Prerequisites:** BIOS1133 Body Systems: Structure and Function I **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, 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 and the application of exercise training in clinical practice.

EXSS2025
Motor Control and Learning

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Nicholas O'Dwyer **Session:** Semester 2 **Classes:** 2hrs lectures, 2hrs tutorials/week **Assessment:** Tutorial presentation (15%), self scored mid semester exam (MCQ, SAQ) (0%), group training project report (35%), end semester exam (MCQ, SAQ) (50%) **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 **Session:** Semester 2 **Classes:** 3hrs lectures, 1hr tutorial/week **Assessment:** Mid semester exam (25%), assignment (20%), end semester exam (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. 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 Chin Moi Chow **Session:** Semester 1 **Classes:** 3hrs lectures, 2 hrs practical/week **Assumed knowledge:** EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1 **Assessment:** Mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit has a major focus on the acute cardiorespiratory and haemodynamic response to exercise in both healthy and diseased populations. The measures of maximal oxygen consumption and anaerobic threshold as determinants of cardiorespiratory performance in endurance events are discussed. In relation to these measures, the concept of acid-base balance is introduced. Physiological adaptations associated with endurance, high resistance and interval/sprint training will be explored. Students will learn the mechanisms behind muscle damage and fatigue. The approach will be integrative, with particular attention given to the regulation of the changes in the cardiorespiratory, and metabolic systems during exercise.

EXSS2028
Exercise Physiology and Biochemistry

Credit points: 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practical/week **Prohibitions:** EXSS2017 Biochemistry of Exercise, EXSS2019 Exercise Physiology - Acute Responses **Assumed knowledge:** EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles of Exercise Science **Assessment:** 1hr mid semester exam, 2hr end semester exam **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.

EXSS3019
Applied Physiology

Credit points: 3 **Teacher/Coordinator:** Mr Phillip Chapman **Session:** Semester 2 **Classes:** Lectures and practicals (28hrs) **Assessment:** Mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit deals with the integration of body functions during work and exercise. It includes basic and applied aspects of muscle function, temperature regulation, energy metabolism and respiratory and cardiovascular physiology. Processes associated with physical work capacity, training and adaptation to physical activity will also be examined with reference to special populations, e.g., the aged, disabled.

EXSS3023
Exercise Testing and Prescription

Credit points: 6 **Teacher/Coordinator:** Dr Corinne Caillaud **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practicals **Assumed knowledge:** EXSS2022 Exercise Physiology Training Adaptations or EXSS2027 Exercise Physiology for Physicians **Assessment:** Mid semester exam, assignment, end semester exam **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:** Dr Jacqui Raymond **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practicals **Assumed knowledge:** Either EXSS2027 Exercise Physiology for Clinicians or both EXSS2019 Exercise Physiology- Acute Responses and EXSS2022 Exercise Physiology Training Adaptations **Assessment:** Case study exam, end semester exam, prac exam **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 disease.

EXSS3027
Exercise and Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Dr Jacqui Raymond **Session:** Semester 2 **Classes:** 3hrs lectures, 2hrs practicals **Prerequisites:** EXSS3024 Exercise, Health and Disease **Assumed knowledge:** EXSS2019 Exercise Physiology - Acute Responses, EXSS2022 Exercise Physiology Training, EXSS2027 Exercise Physiology for Clinicians **Assessment:** Prac exam, case study exam, end semester exam **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 osteoarthritis, 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 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.

EXSS3036
Research and Practice

Credit points: 6 **Teacher/Coordinator:** Dr Mark Halaki **Session:** Semester 1 **Classes:** Two 1hr lectures, 2hr practical/week **Assumed knowledge:** Basic biomechanics, physiological and motor learning principles, basic hypothesis training, elementary knowledge of exercise science industry **Assessment:** 1hr exam (35%), 2500 word research report (35%), 3000 word assignment (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to explore (i) the scientific method using knowledge integrated from previous units of study, and (ii) professional issues related to practice in the field of exercise and sport science. This exploration will include: critical review of scientific writing, proposing research, the communication of scientific knowledge, research design, data collection, data analysis, statistical tests, ethics in research, evidence-based practice and professional and ethical behaviour. Activities and assessment will focus on practical applications in exercise and sport science. Emphasis will be placed

on generic skills such as communication, teamwork, independent and critical thinking and practical skills.

EXSS3037
Exercise Pharmacology & Immunology

Credit points: 6 **Teacher/Coordinator:** Dr Rhonda Orr **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs tutorial/week **Prerequisites:** BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses **Assessment:** Assignment (20%), mid semester exam (30%), end semester exam (50%) **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. Students will gain an understanding of the pharmacokinetic and pharmacodynamic action of drugs in the body. Drugs used for therapeutic medication, for recreational purposes and for performance enhancement in sport, as well as the interaction of exercise and drug action will be explored. The nature of immunity, the immune response, pathological disorders of the immune system and effects of exercise on the immune system will be examined.

EXSS3038
Ergonomics

Credit points: 6 **Session:** Semester 2 **Classes:** 2hrs lectures, 2hrs practical/week **Assumed knowledge:** BIOS1159 Functional Anatomy A - Exercise, BIOS1160 Functional Anatomy B - Exercise, EXSS1018 Biomechanics of Human Movement **Assessment:** Mid semester exam (30%), assignment (30%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Ergonomics is concerned with optimising health, safety and performance in human activities. This unit will broaden the student's knowledge of human tolerance to physical tasks by considering tasks performed across a spectrum of settings, including occupational, sport, and activities of daily living. Specifically through the application of anatomy, biomechanics, and exercise and environmental physiology an understanding of the principles of matching environmental and task related parameters to human characteristics will be developed. This knowledge has application to OH&S, sport safety and the development of accessible environments for functionally impaired.

Textbooks
Bridger RS, Introduction to Ergonomics (2nd ed), Taylor & Francis, London (2003)

EXSS3040
Physiological Testing and Training

Credit points: 6 **Teacher/Coordinator:** Dr Corinne Caillaud **Session:** Semester 2 **Classes:** 2hrs lectures, 2hrs practical/week **Prerequisites:** EXSS2022 Exercise Physiology Training Adaptations **Assessment:** Mid semester exam (40%), end semester exam (60%) **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 **Session:** Semester 2 **Classes:** 2hrs lectures, 1hr tutorial/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 & Sport

Credit points: 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 1 **Classes:** Three 1hr lectures/week for 4 weeks, two 1hr lectures for 9 weeks, one 1hr tutorial for 9 weeks **Prerequisites:** EXSS2027 Exercise Physiology for Clinicians **Assessment:** Poster presentations (10%), case-based small group work assignments (20%), practical anthropometry examination (20%), end semester exam (50%) **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. 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.

EXSS3043
High Performance Coaching

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1hr lectures, 2hr practical, tutorial/week **Prohibitions:** EXSS1034 Sport Coaching **Assumed knowledge:** EXSS2016 Motor Control, EXSS2023 Growth, Development and Ageing, BACH1161 Introduction to Behavioural Science **Assessment:** 2000 word report (40%), 1500 word review (30%), 2hr exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an introduction to the principles of sports coaching and the role of a high performance coach. The unit aims to integrate and apply the concepts acquired over the course of the degree. Students will conduct athlete profiling, sports analyses and performance analyses for the development of periodised training programs. The psychological and behavioural aspects of sport and training will also be explored, providing students with practical skills essential for the development of optimum athletic performance. Students will develop practical knowledge relating to the application of motor control and learning in skill acquisition. The issue of talent identification will be explored using relevant knowledge acquired from previous units of study. Students will also be able to draw on their understanding of various physical and psychological disorders to examine the area of inclusive coaching/athletes with disabilities. The emerging area of athlete development will be discussed, focusing on the promotion of educated and rounded athletes to enhance both competitive performance and life after sport. Legal and business considerations relating to sports coaching, and the structure of the Australian coaching scheme will be explored to provide students with an understanding of the sport and coaching industries.

EXSS3044
Biomechanics of Sports Techniques

Credit points: 6 **Teacher/Coordinator:** Dr Edouard Rene Ferdinands **Session:** Semester 1 **Classes:** Two 1hr lectures, two 1hr tutorials/week **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.

EXSS3046
Clinical Exercise Practice

Credit points: 6 **Teacher/Coordinator:** Dr Jacqui Raymond **Session:** Semester 2 **Classes:** 4hrs lectures, tutorials, practical/week **Prerequisites:** EXSS3023 Exercise Testing and Prescription, EXSS3024 Exercise, Health and Disease, EXSS3037 Exercise Pharmacology & Immunology **Corequisites:** EXSS3027 Exercise and Rehabilitation, EXSS3038 Ergonomics **Assessment:** Written assignment, practical competency assessment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit introduces students to a range of issues related to exercise physiology professional practice and service delivery. Topics covered include oral and written communication skills and clinical decision making. Students will also undertake practical work with clients. This practical work will reinforce the content covered in lectures/tutorials and allow the student to build their confidence and skill level in an area of exercise delivery for clinical populations. Students will need to be flexible with times for practical work as this will depend on clinical resources.

EXSS3047
Nutrition Practice for Health & Exercise

Credit points: 3 **Teacher/Coordinator:** Dr Helen O'Connor, Dr Kieron Rooney, Dr Nathan Johnson **Session:** Semester 1 **Classes:** 2hr lecture/week for 8 weeks, 2hr tutorial for 5 weeks, 2hr practical for 2 weeks (or additional 12hrs if students elect to complete anthropometry accreditation) **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) Day

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 research project and be given the opportunity to attain a Level 1 International Society for Kinanthropometry accreditation via practical sessions in this unit.

Textbooks
Burke L and Deakin V, Clinical Sports Nutrition, McGraw-Hill, Sydney (2006)

EXSS4004
Honours Thesis A

Credit points: 24 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** No on-campus classes, although workshop attendance is compulsory **Assessment:** Continuous assessment, thesis examination **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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 Chin Moi Chow **Session:** Semester 2 **Classes:** No on-campus classes, although workshop attendance is compulsory **Prerequisites:** EXSS4004 Honours Thesis A **Assessment:** Continuous assessment, thesis examination **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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.

HIMT1051
Introduction to Management Principles

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1 **Classes:** 3hrs lectures, 1hr tutorial/week **Assessment:** Assignments, exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the principles of management and develops their skills in management in health care settings. Topics include an introduction to management and what managers do; building effective teams; organising work; the influence of organisational culture; change management; planning; leadership and managerial ethics. Students will also develop an understanding of the structure and functions of organisations. A key objective of this unit is to enable the students to develop practical management skills to enable them to perform effectively as managers.

HIMT4050
Essentials of Classification B

Credit points: 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1 **Classes:** Block mode, three of 2 days **Assumed knowledge:** HIMT3060 Essentials of Classification A **Assessment:** 3 practical tests (30%, 30% and 40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Students consolidate and enhance their practical skills developed in previous classification units by applying the ICD-10 AM in tutorials and independent learning exercises. Skill levels are challenged by learning to abstract clinical statements from complex clinical records and translating these statements into coded data. Emphasis is placed on building students' skills in locating clinical information for abstraction. Communications are also built through collaborative workshops designed to help students discuss complex coding problems effectively with health care professionals in the workplace. Wherever possible, students are encouraged to independently use computerised coding software when abstracting and coding and compare the coded output with the manual method.

Textbooks
National Centre for Classification in Health, The International Statistical Classification of Diseases and Related Health Problems. Australian Modification (4th ed), NCCH, Sydney (2004)

HIMT4051
Financial Management in Health Services

Credit points: 6 **Session:** Semester 1 **Classes:** Block mode, three of 2 days **Assessment:** 1500 word essay (30%), 2000 word essay (40%), final exam (MCQ, SAQ) (30%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study equips students with basic financial management skills. They learn of the financial issues and pressures facing the health care system from all levels (national, state, and local). Skills in recording basic financial transactions, preparing financial reports and budgets and communicating with specialist financial managers are acquired. Topics covered include a brief overview of the Australian health care system and the health status of Australians; private sector financing and health insurance issues; health funding models design; an introduction to health economics, the accounting process and budgeting.

HIMT4052
Contemporary Issues: Health Info A

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1 **Classes:** 1hr lecture/week **Assessment:** Two essays, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit utilises case studies and guest lecturers to address the latest developments in the management of healthcare information. Knowledge and skills learned will be applied to real-world problems.

Students will research selected topics culminating in written and oral presentations.

HIMT4053
Contemporary Issues: Health Info B

Credit points: 12 **Session:** Semester 2 **Classes:** Block mode, three of 2 days **Assessment:** Two assignments (20% ea), literature review (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit is divided into two sections. The first section covers the skills needed to write a journal article that communicates effectively the latest concepts in health information management. The second part builds on the research carried out by the student in HIMT4052 Contemporary Issues in Health Information A by providing the foundation for the development of the research as a publishable paper.

HIMT4054
Professional Practice C

Credit points: 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** Clinical experience **Prerequisites:** HIMT3056 Management Principles and Practice B, HIMT3058 Professional Practice B **Assessment:** Report (60%) supervisor's report (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit provides students with the opportunity to gain experience in the organisation and management of health information systems within or outside of the traditional medical record department. Students are able to select a placement in an area in which they have a particular interest.

HIMT4055
Research Project I

Credit points: 12 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1 **Classes:** Independent learning **Assessment:** Presentation of thesis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides honours students with the opportunity to develop a proposal to undertake an investigation in an area of specialised interest in health information management.

HIMT4056
Research Project II

Credit points: 24 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 2 **Classes:** Independent learning **Assessment:** Presentation and thesis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

During this unit the honours students will complete the investigation begun during HIMT4055 Research Project I. 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 Discipline of Health Informatic's Bachelor of Applied Science (Health Information Management) (Honours) guidelines, policy and procedures.

HSBH1003
Health, Behaviour and Society

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 1 **Classes:** 4hrs lectures/week **Prohibitions:** BACH1130 Foundations of Health Sociology, BACH1132 Foundation of Psychology for the Health Sciences, BACH1133 Introduction to Health Psychology, BACH1134 Health, Illness and Social Inquiry **Assessment:** 1hr in-class essay (17.5%), 1000 word essay mid semester (25%), end semester exam (57.5%) **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:** 1hr lecture & 1hr tutorial/week **Prerequisites:** HSBH1003 Health, Behaviour & Society **Assessment:** Project (20%), seminar presentation (20%), 1000 word essay (20%), 2hr exam (40%) **Campus:** Cumberland **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. Psychosocial factors important for understanding major national health priority areas such as asthma, mental health, cardiovascular disease, arthritis and musculoskeletal disease, cancer, injury, and diabetes across the lifespan are considered.

HSBH1006
Foundations of Health Science

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 1 **Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Library skills test (10%), case study (20%), literature review (30%), final 2hr exam (40%) **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:** Ms Karen Pepper **Session:** Semester 1 **Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** 2000 word written report (40%), 90min MCQ/SAQ exam (60%) **Campus:** Camperdown/Darlington **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:** Dr Toni Schofield **Session:** Semester 2 **Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Project (20%), seminar presentation (20%), 1000 word essay (20%), 2hr exam (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:** Teamwork project (30%), assignment (30%), 2hr MCQ/SAQ 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)

HSBH3001

Health and Indigenous Populations

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 2 **Classes:** Two 1hr lectures, one 1hr tutorial/week **Assessment:** Short essay (20%), media and data analysis (20%), report analysis (60%) **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 Straight 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. This unit also explores established theories about health and illness from western and non-western perspectives.

HSBH3003

Health Service Stategy and Policy

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 2 **Classes:** Two 1hr lectures, one 1hr tutorial/week **Assessment:** Assignment (40%), exam (60%) **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, one 1hr tutorial/week **Assessment:** Seminar participation (10%), weekly journal (30%), group presentation (30%), end semester exam (30%) **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.

HSBH3006

Research Methods in Health

Credit points: 6 **Teacher/Coordinator:** Dr Tatjana Seizov-Cajic **Session:** Semester 1 **Classes:** Two 1hr lectures, one 1hr tutorial/week **Prerequisites:** HSBH1007 Health Science and Research or equivalent **Assessment:** Assessment, various weeks (15%), assignment 2 (20%), assignment 3 (30%), 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. The focus of this unit will be on research methodology that promotes the integration of health-relevant disciplinary perspectives.

HSBH3009

International Health Project

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** Three 1hr lectures, one 1hr tutorial/week for 3 weeks, independent learning packagewith email support during work placement **Assessment:** Project development, project report **Practical field work:** Work placement in a developing country **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 level. 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. At the practical level, students will be expected to have work experience for eight weeks in a developing country. During this work experience they are expected to develop a series of alternate approaches in a problem solving project related to health and health care policies. 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 global perspective; and the role of international organisations in health promotion

Textbooks

Book of readings

HSBM4001

Sexology/Sexual Hlth: Global Perspective

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon, Dr Gomathi Sitharthan **Session:** Semester 1 **Classes:** Web based on Web CT6 platform. No on-campus attendance required **Assessment:** All assessments will be completed and submitted online. Assessment 1, 500-800 word reflective report on values and attitudes to sexology, wk 2 (10%); assessment 2, group work and submission of 1000 word report, wk 6 (20%), assessment 3, group work and submission of 1000 word report, wk 9 (20%), assessments 4 and 5, 2000-2500 word independent reports on two selected scenarios with an appropriate experiential community- based activity, due exam week (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

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
Life Sciences 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. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is designed for students of the life sciences 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. **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.

There are comprehensive details of this unit of study in the Junior Mathematics Handbook distributed at the time of enrolment.

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 **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 macro-molecules 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.

Textbooks
Clarke, D. Molecular Biology. Elsevier 2005.

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, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 **Assessment:** One 2.5 hour exam, practical work, laboratory reports. **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 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. The 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. Other techniques include PCR methodology and its use for cloning specific genes and detection of polymorphisms, separating DNA fragments by gel electrophoresis and analysis of macromolecules by Southern, Northern & Western blotting. In the genomics section, topics include assigning genes to specific chromosomes, high resolution chromosome mapping, DNA markers, 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 PCR analysis. As with MBLG1001, strong emphasis is placed on the acquisition of generic and 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 Barrie Egerton **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Assumed knowledge:** HSC Physics, 2 unit Maths **Assessment:** Two common and stream specific test (10% ea), 1hr MCQ/SAQ class test (30%), 2hr end semester MCQ/SAQ exam (50%) **Practical field work:** Practical classes will be provided as required **Campus:** Cumberland **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

This unit introduces students to the safe use of ionising radiation common to all medical radiations. It commences with an examination of the structure of matter, the various modes of radioactive decay together with the types of ionising radiation and their interactions with matter. Discipline specific fundamental physics will also be covered.

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

MRTY1032
Preparation for Practice

Credit points: 6 **Teacher/Coordinator:** Ms Nikki Field **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Assessment:** 500 word assignment (16%), two group presentations (22% ea), 2hr final exam (40%) **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:** Ms Sue Miller **Session:** Semester 2 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1032 Preparation for Practice **Assessment:** Assignment, class tests, exam **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
Merrill's Atlas of Radiographic Positions

MRTY1034
Nuclear Medicine Practice 1

Credit points: 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 2 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1032 Preparation for Practice **Assessment:** 1000 word assignment (20%), practical report (20%), 2hr final exam (60%) **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student to the fundamental aspects of the most commonly performed imaging procedures in nuclear medicine. It provides a study of the anatomy, physiology, and radiopharmaceutical bio-distributions which are fundamental to an understanding of the imaging procedures. Practical aspects of acquisition and radiopharmacy will be introduced.

Textbooks
Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY1035
Radiation Therapy Practice 1

Credit points: 6 **Teacher/Coordinator:** Mrs Nikki Field **Session:** Semester 2 **Classes:** 4hrs lectures, 2hrs tutorial/week and directed independent learning **Prerequisites:** MRTY1032 Preparation for Practice **Assessment:** 1.5hr practical class test (30%), 1500 word assignment (30%), 2hr practical final test (40%) **Practical field work:** Practical classes will provide students with experience in planning simple palliative techniques **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat simple palliative techniques on the linear accelerator. The role of the radiation therapist as a supporter 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)

MRTY1036
Health Physics and Radiation Biology

Credit points: 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 2 **Classes:** Three 1hr lectures/week, one 1hr tutorial, 2hr practical class/fortnight **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Mid semester 1hr MCQ/SAQ exam (30%), end semester 2hr MCQ/SAQ exam (50%), practical work and/or assignment (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study develops radiation biology for radiological protection and provides a foundation for the physics and instrumentation of devices used in the medical radiation sciences. The unit explores what is known about the effects of ionising and non-ionising radiation on biological systems. An in-parallel study of the general principals of optics, optical fibres, electricity and magnetism, electrical safety and basic electronics provides a foundation for the introduction of ultrasonic transducers, cyclotrons, oscilloscopes, colour television and liquid crystal displays applicable to medical radiation sciences that employ ionising or non-ionising radiation.

Textbooks
Dowd SB and Tilson ER, Practical Radiation Protection and Applied Radiation Biology (2nd ed), Elsevier (1999)
Graham D and Cloke P, Principles of Radiologic Physics (4th ed), Churchill Livingstone (2003)

MRTY2080
Radiographic Practice 2.1

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1033 Radiographic Practice 1 **Assessment:** Assignments, class tests, class presentations, computer-based assessment **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 clinical knowledge through the use of clinical scenarios.

Textbooks
Ballinger PWP & Frank ED, Merrill's Atlas of Radiographic Positions and Radiologic Procedures, Mosby, St Louis

MRTY2081
Clinical Education 2.1DR

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:** MRTY1033 Radiographic Practice 1 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **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.

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:** 4hrs lectures, 2hrs tutorials/week and directed independent learning

Prerequisites: MRTY1031 Medical Radiation Physics **Assessment:** Practical (10%), class test (25%), final exam (65%) **Practical field work:** Practical classes will provide students with experience in quality control and application of clinical radiation safety **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student to the construction, design, operation and quality control of general radiographic and processing equipment. A section on conventional tomography, computerised tomography and associated radiation protection will also be included.

Textbooks
Curry TS et al, Christensen's Physics of Diagnostic Radiology (4th ed)

MRTY2083
Nuclear Medicine Practice 2.1

Credit points: 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1034 Nuclear Medicine Practice 1 **Assessment:** Class test, assignment, final exam **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

This unit of study extends the learning of the most commonly performed imaging procedures in nuclear medicine and introduces the appreciation of abnormal studies. Computer analysis of functional data and tomographic imaging, reconstruction and display will be presented. It provides a study of the pathophysiology and altered radiopharmaceutical bio-distributions and the variations of imaging procedures that may be undertaken. Further theoretical aspects of acquisition and radiopharmaceutical use will be developed. Aspects of quality control of nuclear medicine practice will be introduced.

Textbooks
Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY2084
Nuclear Medicine Physics 2

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Dale Bailey **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Practicals/tutorials, class test, final exam **Practical field work:** Practical classes will provide students with experience in radiation detection, measurement and gamma camera functional parameters **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This course covers the physical fundamentals of nuclear medicine imaging from the instrumentation and computing perspectives. Starting with simple detectors, students will learn about the components of the gamma camera in detail, the use of computers for data acquisition and analysis, and the bases for tomographic imaging. Some discussion of complementary imaging devices such as X-ray CT is included. The course lays the foundations for students in understanding the functional measurement, imaging and analysis techniques used in nuclear medicine.

Textbooks
Cherry SR, Sorenson JA & Phelps ME, Physics in Nuclear Medicine (3rd ed), Saunders (2003)

MRTY2085
Clinical Education 2.1NM

Credit points: 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY1034 Nuclear Medicine Practice 1 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical assessment, oral case study, practical test **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.
Note: The clinical placement component of this unit of study will be undertaken 6 weeks prior to Semester 1 commencing

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 of fundamental practice.

Textbooks
Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY2086
Radiation Therapy Practice 2.1

Credit points: 6 **Teacher/Coordinator:** Ms Yobelli Jimenez **Session:** Semester 1 **Classes:** 2hrs lectures, 4hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1035 Radiation Therapy Practice 1 **Assessment:** Class test, module presentations, final exam **Practical field work:** Practical classes will provide the student with experience in planning pelvic and primary breast tumour techniques using 3D treatment planning systems **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat radical radiation therapy techniques of the pelvis and breast. Oncology principles and the role of the radiation therapist as a supporter of psychosocial health and educator of the patient 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

MRTY2087
Radiation Therapy Physics 2

Credit points: 6 **Teacher/Coordinator:** Mr Mark West **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Class test, assignment, final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study concentrates on the physical principles and application of ionising radiation in radiation therapy. The method and measurement of radiation therapy beams will also be covered.

Textbooks
Khan FM, The Physics of Radiation Therapy (3rd ed), Lippincott, Williams & Wilkins, Baltimore (2003)

MRTY2088
Clinical Education 2.1RT

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY1035 Radiation Therapy Practice 1 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Case study, reflective summary, final clinical assessment **Practical field work:** 35hrs/week for 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

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 superficial, orthovoltage, single photon and parallel opposed techniques.

Textbooks
Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

MRTY2089
Integrated Diagnosis and Treatment

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2 **Classes:** 5hrs lectures, 2hrs tutorials/week and directed independent learning **Assessment:** Assignment, class test, final exam **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 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical departmental assessment (50%), written case studies (50%) **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.

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 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical departmental assessment (25%), written case studies (50%), OSCE (25%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

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 2 **Classes:** 5hrs lectures, 5hrs tutorials/week and directed independent learning **Assessment:** Assignments, class tests, class presentations, computer-based assessment **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

MRTY2093
Clinical Education 2.2NM

Credit points: 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2085 Clinical Education 2.1NM **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical assessment, written case study, practical test **Practical field work:** Off-campus, 35hrs/week for 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.
Note: Satisfactory progress in the clinical achievements must be demonstrated in order to progress

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 above that of MRTY2085 Clinical Education 2.1NM.

Textbooks
Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY2094
Clinical Education 2.3NM

Credit points: 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2085 Clinical Education 2.1NM **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical assessment, practical test, assignment **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

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 above that of MRTY2093 Clinical Education 2.2NM and that is nearing those required of an entry level practitioner.

Textbooks
Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY2095
Nuclear Medicine Practice 2.2

Credit points: 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 2 **Classes:** 6hrs lectures, 3hrs tutorials/week and directed independent learning **Assessment:** Assignment, group presentation, final exam **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

This unit of study examines a number of body systems and the application of radiopharmaceuticals in nuclear medicine procedures. It provides a study of the pathophysiology and altered radiopharmaceutical bio-distributions and the variations of imaging procedures that may be undertaken. Further theoretical aspects of acquisition, interpretation and radiopharmaceutical use will be developed. Computer analysis of functional data and tomographic imaging, reconstruction and display will be presented. Aspects of quality control of nuclear medicine practice will be developed.

Textbooks
Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

MRTY2096
Clinical Education 2.2RT

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2088 Clinical Education 2.1RT **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** 2 case studies, reflective summary, final clinical assessment, observable clinical skills assessment **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

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 pelvis and tangent breast techniques.

Textbooks
Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

MRTY2097
Clinical Education 2.3RT

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2088 Clinical Education 2.1RT **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** 2 case studies, reflective summary, final clinical assessment **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

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 head and neck and brain techniques.

Textbooks
Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

MRTY2098
Radiation Therapy Practice 2.2

Credit points: 6 **Teacher/Coordinator:** Ms Yobelli Jimenez, Mr John Atyeo **Session:** Semester 2 **Classes:** 5hrs lectures, 5hrs tutorials/week and directed independent learning **Prerequisites:** MRTY2086 Radiation Therapy Practice 2.1 **Assessment:** Class test, module presentations, final exam **Practical field work:** Practical classes will provide the student with experience in planning primary head & neck and brain techniques using 3D treatment planning **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat radical radiation therapy techniques of the head & neck and breast. Oncology principles 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

MRTY3099
Research in Medical Radiation Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench **Session:** Semester 1 **Classes:** On-campus lectures and group work **Corequisites:** BACH2140 Research Methods for Health Sciences **Assessment:** Oral presentation, reports, assignment **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:** 3x1hr lectures/wk, 6x2hr pracs **Assumed knowledge:** Discipline specific Physics 2 (MRTY2082 Radiographic Physics 2, or MRTY2097 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:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Two 1hr lectures, 1hr practical/week **Assumed knowledge:** MRTY1032 Preparation for Practice **Assessment:** Assignments (stream specific), final exam **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)

MRTY3102
Medical Radiation Project

Credit points: 6 **Session:** Semester 2 **Classes:** On-campus **Prerequisites:** MRTY3099 Research in Medical Radiation Sciences **Assessment:** Mid semester class presentation (20%), end semester class presentation (20%), 3000 word journal article submission (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study requires students, working in a research team, to implement a pre-designed research project and disseminate their research results in a peer-reviewed format. Students will carry through a research methodology including the collection of data and/or meta-analysis of previous research. Students are expected to produce a journal article, suitable for publication as well as prepare a professional presentation of their findings.

Textbooks
Students are supplied with online reading material

MRTY3104
Medical Radiation Science Physics

Credit points: 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 2 **Classes:** 3hr lecture, tutorial or self-directed study library session/week **Prerequisites:** MRTY2082 Radiographic Physics 2 or MRTY2084 Nuclear Medicine Physics 2 or MRTY2087 Radiation Therapy Physics 2 **Assessment:** Two oral presentations (10%, 20%), two written assignments (10%, 60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study enables students to investigate the current technological application of physics-based procedures to medical radiation science.

MRTY3105
Radiographic Practice 3

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 1 **Classes:** On-campus lectures, tutorials, practicals **Assumed knowledge:** MRTY2092 Radiographic Practice 2.2, MRTY2091 Clinical Education 2.3DR **Assessment:** Assignment, class tests, web-based assessment **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 Studies 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.

Textbooks
Doyle T et al, Procedures in Diagnostic Radiology, London, Churchill Livingstone (1989)
Lau LS (ed), Imaging Guidelines (2nd ed), Royal Australasian, Parkville (1993)

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 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **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.

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:** Practical mark (20%), assignment(s) (40%), final exam (40%) **Practical field work:** Practical classes will provide students with experience in digital imaging **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student to digital radiography, computed radiography, PACS, HIS, RIS, DICOM, advanced CT, DSA, MRI, BMD and sonography. A range of digital and non-digital radiographic specialised equipment will be examined in terms of operational principles, QA, radiation protection principles and radiation dose implications.

Textbooks
Curry TS et al, Christensen's Physics of Diagnostic Radiology (4th ed) (1990)

MRTY3108
Nuclear Medicine Practice 3

Credit points: 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 1 **Classes:** On-campus lectures, tutorials, practical **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assumed knowledge:** MRTY2095 Nuclear Medicine Practice 2.2, MRTY2094 Clinical Education 2.3NM **Assessment:** Report, practical assessment, final exam **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

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 **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:** Clinical assessment, written assignment, practical achievements **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:** Ms Tracey Smith **Session:** Semester 2 **Classes:** 3hr lecture, 2hr practical, tutorial/week **Assumed knowledge:** MRTY2084 Nuclear Medicine Physics 2 **Assessment:** Satisfactory performance of pracs (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:** On-campus independent research, group discussion forums, practical classes **Assumed knowledge:** MRTY2098 Radiation Therapy Practice 2.2 **Assessment:** Group presentation work, class test, final exam **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 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement (two blocks of 3 weeks) **Prerequisites:** MRTY2086 Radiation Therapy Practice 2.2, MRTY2097 Clinical Education 2.3RT **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Case study, final clinical assessment, observable skill clinical assessment **Practical field work:** 35hrs/week for two blocks of 3 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

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 (2nd ed), Mosby, St Louis (2004)

MRTY3113
Radiation Therapy Practice 3.2

Credit points: 6 **Teacher/Coordinator:** Ms Danielle Milinkovic **Session:** Semester 2 **Classes:** On-campus independent research, group discussion forums, practical classes **Prerequisites:** MRTY2087 Radiation Therapy Physics 2 **Assumed knowledge:** MRTY3111 Radiation Therapy Practice 3.1 **Assessment:** Assignment, class test, final exam **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 (unit coordinator), Ms Joanne Lomas, Ms Belinda Tong **Session:** Semester 1 **Classes:** Two 1hr lectures/week, one 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:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Seven 2hr lectures with directed independent work **Assessment:** Two portfolio submissions (30%), group oral presentation (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:** Mr Mark West **Session:** Semester 2 **Classes:** Off-campus mode: no on-campus attendance required **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

Credit points: 6 **Teacher/Coordinator:** Dr Roger Bourne **Session:** Semester 2 **Classes:** Web-based distance education mode: independent learning package with email support. A non compulsory practical exercise may be conducted on-campus with students to be advised **Assessment:** 2000 word assignment (40%), 3000 word assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study addresses the principles of magnetic resonance imaging. 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 included in the unit of study.

MRTY4032
Honours Thesis 1A

Credit points: 24 **Session:** Semester 1 **Assessment:** Research proposal (15%), literature review (15%) **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 **Session:** Semester 2 **Assessment:** Assignment (60%), oral presentation (10%) **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 **Session:** Semester 1 **Assessment:** Continuous plus oral and thesis examination. 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 **Session:** Semester 2 **Assessment:** Continuous plus oral and thesis examination. 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 **Session:** Semester 1 **Assessment:** Continuous plus oral and thesis examination. 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 **Session:** Semester 2 **Assessment:** Continuous plus oral and thesis examination. 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.

NURS5001
Nursing Concepts: Bodies and Boundaries

Credit points: 6 **Session:** Semester 1 **Classes:** lectures, tutorials **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit of study the concept of embodiment will be used to examine nursing and nurses' practice, exploring both the physical body and the lived body as experienced and interpreted by the patient and the nurse. This unit is closely related to two other units of study: Observation, Assessment & Nursing and Applied Nursing Practice. The unit explores the relevant literatures on: how different cultures have evolved social practices to govern the body and its products and functions; and why the study of these is central to successfully and safely providing nursing care for patients. Students will also study the legislative and regulatory frameworks relating to nurses' professional and legal boundaries and the origins and purposes of these governing frameworks. The ultimate purpose of the unit is the mindful application of the insights gained here to understanding the clinical context of nurses' care of the physical body and the patient's experiences of nursing care.

Textbooks
Howson A (2004) The Body in Society: An Introduction, Polity, Cambridge
Lawler J (2006) Behind the Screens: Nursing, Somology and the Problem of the Body, Sydney University Press, Sydney

NURS5002
Social Contexts of Health

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** lectures **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

All ideas, beliefs and understandings about health and illness are intrinsically connected to particular social and historical contexts. This unit of study explores a range of such ideas and beliefs from different societies and different historical eras. A major component of this unit will be Indigenous health and history, including Indigenous ideas and beliefs about health and illness. The unit also explores established theories about health and illness from western and non-western perspectives. Drawing on these theories the unit critically analyses the relationship between social factors (for example ethnicity, gender, socioeconomic status, employment) and patterns of health and illness in contemporary Australia. A focus on contemporary Indigenous Australian health is an important aspect of this unit of study. Current issues related to health and illness in Australia and its region are also explored in this unit.

NURS5003
Observation in Nursing Practice

Credit points: 6 **Session:** Semester 1a **Classes:** lectures, labs **Assessment:** research round table, essay, exam, clinical experience diary, clinical performance, clinical performance assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides an opportunity to observe and assess approaches to health care, such as the biomedical model, the role of preventative and community-based care and complementary and alternative treatments. Observation of specific issues surrounding Indigenous approaches to health care and the increasing aged and chronically ill populations will be explored. The unit focuses on the roles and relationships among nurses, patients and other health professionals in practice settings. Regular clinical visits, with an experiential and reflective approach to learning, provides opportunities for students to gain insight into the provision and receipt of nursing care across a broad spectrum of nurses' working environments. Students will learn how to observe for symptom clusters associated with common illnesses and the processes of clinical nursing assessment will be introduced during the clinical visits.

Textbooks
Anderson D (ed.) (2006) Mosby's Medical, Nursing and Allied Health Dictionary, Elsevier, Australia
Crisp J & Taylor C (2005) Potter and Perry's Fundamentals of Nursing, Elsevier, Australia
Perry A & Potter P (2004) Clinical Nursing Skills and Techniques, Elsevier, Australia

NURS5004
Applied Nursing Practice

Credit points: 6 **Session:** Semester 1b **Classes:** lectures, labs **Assessment:** research round table, essay, exam, clinical experience diary, clinical performance, clinical performance assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study builds on the unit, Observation in Nursing Practice, and will further develop the principles of caring, communication and critical thinking within nursing practice. Practices concerning patient hygiene and comfort, specific observations of the body, infection control (including asepsis and standard and additional precautions, and environmental safety) will be studied. Nursing practices, which are designed to assist those experiencing hospitalisation, will be addressed, including: maintenance of fluid status, skin integrity, mobility, the effective levels of pain relief and oxygenation. This knowledge will be extended to incorporate the experience of both patients and nurses when the body fails to function as expected, particularly where surgery is required. There will be regular clinical visits and a period of clinical placement to further develop the knowledge and skills gained in the unit, Observation in Nursing Practice

Textbooks

Anderson D (ed.) (2002) Mosby's Medical, Nursing and Allied Health Dictionary St. Louis, Mosby
Crisp J & Taylor C (2005) Potter and Perry's Fundamentals of Nursing, St. Louis, Mosby
Perry A & Potter P (2004) Clinical Nursing Skills and Techniques, St. Louis, Mosby
Staunton P & Chiarella M (2003) Nursing & the Law, Churchill Livingston, Sydney

NURS5005
Biomedical Therapies and Nursing

Credit points: 6 **Session:** Semester 2 **Classes:** lectures **Assessment:** surgical case study, group work summary, 3 x WebCT quizzes, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study builds on knowledge of the cellular and systemic organisation of the human body. A cell-tissue-body environment approach to pathogenesis will be used as a framework to facilitate the exploration of biomedical and pharmacological interventions and their relationship to nursing practices. This approach allows the student to develop an understanding of the applications of various biomedical therapies to disease processes with similar pathogenic derivations. The development of such conceptual schemas provides an understanding and approaches to the evaluation of medical interventions and their outcomes.

Textbooks

Bryant B, Knights K & Salerno E (2007) Pharmacology for Health Professionals (2nd edn), Mosby, Sydney
Huether S & McCance K (2008) Understanding Pathophysiology (4th edn.), Mosby, St Louis

NURS5006
Illness Experience and Nursing Care

Credit points: 6 **Session:** Semester 2 **Classes:** seminars, tutorials **Assessment:** illness experience project, analysis of interviews and essay, WebCT research roundtable quiz, exam **Campus:** Camperdown/Darlington **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 examines theories of human consciousness, emotionality, and embodiment. It addresses the use of qualitative research methodologies, and the findings of key studies, for exploring illness experiences. Many different illness experiences are examined, and attention is drawn to such factors as emotions arising in illness, issues of embodiment, and social attitudes to illness (for instance, stigmatisation of some illnesses). The nurse-patient relationship is critically examined, particularly in relation to emotions arising in this context, nurses' attitudes towards a range of illnesses, and contemporary models of care. Students are involved in a research project that requires them to draw on theories about qualitative research methodologies.

NURS5007
Mental Health Nursing Practice I

Credit points: 6 **Session:** Semester 2 **Classes:** seminars, labs, clinical placement **Corequisites:** NURS5008 **Assessment:** essay, CPA, exam, off-campus clinical performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study begins with the concepts of mental health and illness by adopting the approach that mental health exists on a continuum. It examines a variety of mental health disorders and explores mental health care settings as therapeutic milieu utilising a multi-disciplinary model. Further, this unit of study explores the scope of mental health nursing practice. A particular focus is the systematic analysis and discussion of the therapeutic relationship and the dynamic components of interpersonal processes and the therapeutic use of self. Students will develop capabilities in establishing therapeutic relationships, micro counselling skills, assessment, and intervention skills for working with individuals and families experiencing mental illness. A variety of treatment modalities are explored, as is the scope of mental health nursing practice across diverse age, gender and cultural backgrounds. This unit of study examines the Australian ethio-legal context of mental health nursing, and compares historical developments in nursing to emerging trends in contemporary mental health nursing, and compares historical developments in nursing to emerging trands in contemporary mental health nursing. This unit prepares the students for an extended mental health clinical placement, in either hospital, community or specialist units. This clinical placement provides opportunities to apply therapeutic interactive nursing capabilities in the mental health care setting as well as developing and consolidating overall nursing skills.

Textbooks

Elder R, Evans K & Nizette D (eds.) (2005) Psychiatric and Mental Health Nursing, Elsevier, Marrickville, Australia

NURS5008
Acute Care and Nursing Practice I

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, labs, tutorials **Prerequisites:** NURS5004 **Corequisites:** NURS5007 **Assessment:** seminar group presentation, reflective essay, exam, clinical performance assessment, off campus clinical performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will examine the integration of theoretical and clinical components of nursing knowledge to enable the provision of physical care to acutely ill people. Building on the theme of embodiment, the responses of an individual and others to an acute disruption in health will be explored. Using those illnesses commonly found in our community, the experiences of acute illness and how these illnesses impact individuals, families and communities will also be examined. The content of the unit is devoted to the area of medical/surgical nursing and focuses on the themes of disruption to health, the impact of illness, the processes of nursing care and the experience of illness on the individual and their family

Textbooks

Brown D & Edwards H (eds.) (2008) Lewis's Medical Surgical Nursing Assessment and Management of Clinical Problems, Mosby, Sydney
Perry A & P Potter (2006) Clinical Nursing Skills and Techniques, St. Louis, Mosby

NURS6001
Nursing Observations and Bio Parameters

Credit points: 6 **Session:** Semester 1 **Classes:** lectures, tutorials **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** mini-poster, essay, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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.

Textbooks

Bryant B & Knights K (2007) Pharmacology for Health Professionals, Mosby, Sydney
Huether S & McCance K (2004) Understanding Pathophysiology, Mosby, St. Louis
Brown D & Edwards H (2005) Lewis's Medical-Surgical Nursing: Assessment & Management of Clinical Problems, Elsevier Mosby, Sydney

NURS6002
Maternity, Child & Adolescent Nursing I

Credit points: 6 **Session:** Semester 1 **Classes:** lectures, tutorials, labs, clinical placements **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** research roundtable exercise, family and infant/child assessment report, group summary of article/topic, exam, off-campus clinical **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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.

Textbooks

London ML, Ladewig PW, Ball JW & Bindler RC (2007) Maternal and Child Nursing Care (2nd edn.), Pearson Education: New Jersey

NURS6003
Nursing Care for Chronic Conditions

Credit points: 6 **Session:** Semester 1 **Classes:** lectures, labs, clinical placements **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** essay, exam, medication calculation test, clinical performance assessment, off campus clinical performance **Campus:** Camperdown/Darlington **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. An emphasis is placed on an holistic approach to nursing care in a variety of health care settings. Continuity of care between hospital and community settings is emphasized, using a case management model of care. Upon completion of this unit, students will have acquired an understanding of the nature of chronic illness and the demands these illnesses place on individuals, their families and communities. Students will be able to: (i) identify and describe the most common chronic health conditions experienced by the Australian population, and (ii) assess, plan and implement nursing care for these patients and evaluate the effectiveness of their care. For patients and their families experiencing the terminal phase of an illness, students will be able to provide appropriate symptom management and psychosocial care to ensure a peaceful death. In the case of Indigenous health, students will study the importance of community involvement in care delivery for affected individuals. The unit will involve a period of supervised clinical experience in practice settings where students may experience caring for chronic conditions using a case management approach.

Textbooks

Brown D & Edwards H (eds.) (2005) Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems,
Elsevier/Mosby, Sydney
Perry A & Potter P (2006) Clinical Nursing Skills and Techniques, Elsevier/Mosby, St. Louis
Taylor A (2001) Palliative Nursing Care: A Community Perspective (2nd edn.), Palliative Care Council of South Australia, Eastwood, South Australia

NURS6004
Nursing and the Politics of Health Care

Credit points: 6 **Session:** Semester 1 **Classes:** lectures, tutorials **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** 3 x webct quizzes, tutorial group presentation & summary, essay, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The organisation and delivery of health care, including nursing care, is always a political matter. In this unit of study students explore the politics of health care in Australia, with partcular emphasis on prevailing discourses about health, illness and the provision of care. The Australian health care system is compared with other formal systems of care, particularly in relation to health policy, resource allocation and issues of access and equity. This includes critical analysis of the ways in which health care is organised in Australia for Indigenous communities. In addition, the recent political history of health care in Australia is explored. The unit also critically analyses contemporary nursing models of care, and the ways in which these are affected by political forces. Finally, current political issues and debates (including those concerning nursing) in Australia and internationally are studied, with detailed analysis of the ways in which these are affecting health policy and the delivery of care.

NURS6005
Acute Care and Nursing Practice II

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, labs, tutorials **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 and NURS6001 **Assessment:** assignments, exam, clinical assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study addresses nursing practices and interventions that are designed to meet the needs of seriously or critically ill patients being nursed in high acuity settings of acute hospitals. It builds on the knowledge, capabilities and experiences gained in Acute Care and Nursing Practice I. The unit specifically focuses on high acuity environments, technological possibilities within such environments and their effects on the patient. The unit will examine acute life threatening health care problems, such as, interruption to: circulation; neurological function; respiratory function, and; elimination. Physiological compensatory mechanisms, nursing assessment and specific biomedical and nursing interventions are investigated.

Textbooks

Brown D & Edwards H (2005) Lewis's Medical-Surgical Nursing. Assessment and Management of Clinical Problems. Mosby, Sydney
Perry A & Potter P (2004) Clinical Nursing Skills and Techniques, St Louis, Mosby

NURS6006
Mental Health Nursing Practice II

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, labs, tutorials **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** assignments, exam, clinical assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit extends knowledge and capabilities developed in Mental Health Nursing Practice I. The principles of primary health care will be integrated in the development of nursing care for people experiencing identified psychopathologies for individuals experiencing enduring chronic mental illness across diverse age, gender and cultural backgrounds. Students will gain knowledge of the characteristics and dynamics of individuals living on a day-by-day basis with long-term mental health problems and develop beginning practitioner capabilities to deliver the current best practice that enables and empowers consumers to achieve their right to quality of life. The principles of least to most restrictive mental health nursing environments (as per the National Standards of Mental Health Care) will be examined. Issues of more complexity within mental health will be addressed. The

effect of dynamic influences such as substance use, and homelessness on the mental health and lifestyle of the individual and family and/or significant others will be considered. Post-traumatic stress in relation to victims of violence, trauma and incarceration will be explored. Students in this unit of study will identify and critique published research as it informs their developing practice and relates to the development of mental health nursing. They will also appraise research development opportunities in mental health by identifying research possibilities for mental health nursing and society.

Textbooks

Elder R, Evans K & Nizette D (eds.) (2007) Psychiatric and Mental Health Nursing, Elsevier, Australia, Marrickville

NURS6007

Community Nursing

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, labs, tutorials **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** assignment, exam, tutorial presentation, clinical assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Increasingly complex and chronic health conditions are being managed in the community. 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. Approaches to the provision 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. 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 vulnerable groups within the Australian community including Aboriginal and Torres Strait Islanders, people living with disability, minority cultural groups and the homeless. Community clinical placements afford students the opportunity to consolidate and integrate theoretical knowledge and community nursing practice.

NURS6008

Inquiry and Research in Nursing

Credit points: 6 **Session:** Semester 2 **Classes:** lectures **Prerequisites:** NURS5001 and NURS5002 and NURS5003 and NURS5004 and NURS5005 and NURS5006 and NURS5007 and NURS5008 **Assessment:** research proposal, on-line quizzes, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study builds on the research roundtable that is studied in previous units. Two key areas are emphasised in this unit: (i) students' ability to communicate research in nursing practice; and (ii) understanding research approaches that have proved successful for improving nursing practice(s) and patient care. In this unit, students will be required to develop a repertoire appropriate to working in a research-informed manner, identifying areas where research could enhance practice, being skilled in accessing and assessing research relevant to particular clinical issues, and integrating research into their professional practice. Where appropriate, students will participate actively in research projects and all students will learn to present research papers.

Textbooks

Gerrish K & Lacey A (2006) The Research Process in Nursing Blackwell, Carlton

NUTR2911

Food Science Introductory (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Kim Bell-Anderson **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 2.5 hour practical per week. **Prerequisites:** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Prohibitions:** NUTR2901 **Assessment:** One 3 hour exam, one 1 hour theory of practical exam, one assignment and 5 quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to give a broad appreciation of foods as commodities; that is, the origin, history, cultural and nutritional importance of the major foods for human use. Further, aspects of food processing and cooking that affect the nutritional quality of these foods will be discussed. Food groups covered include animal foods, seafood, cereals, sugars, fats and oils, dairy products, legumes, nuts, vegetables, fruits, herbs and spices and alcohol.

Topics in food science and technology include the principles of food preservation, aspects of the preparation and processing of cereals, dairy products, fats and oils, sugars and starches and meats. Food legislation is discussed as well as food additives, naturally occurring toxicants in foods, food pollutants, food safety, food hygiene and food microbiology. Practical classes investigate the nutritional and physical composition of food commodities, and demonstrate their behaviour and functional properties during normal culinary processes.

Textbooks

Charley H & Weaver C, Foods: A Scientific Approach 3rd Edition, Prentice Hall Inc.: New Jersey, 1998.
English R & Lewis J. Nutritional values of Australian Foods, AGPS: Canberra.
Mann J & Truswell AS. Essentials of Human Nutrition, Oxford University Press: Oxford. 3rd Edition 2007

NUTR2912

Nutritional Science Introductory (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Kim Bell-Anderson **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2.5 hour practical per week. **Prerequisites:** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Prohibitions:** NUTR2902 **Assumed knowledge:** NUTR2911 **Assessment:** One 3 hour exam, one 1 hour theory of practical exam, one assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Information about the major nutrients, vitamins, the major and trace elements is presented with respect to food sources, consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency states and the consequences of excess intakes.

Practical classes cover aspects of food analysis of the student's own diet. The practicals are designed to give students hands-on experience in the determination of major and minor nutrients in foods using procedures and instrumentation used in food research and analytical laboratories. The data obtained in the laboratory will be compared with that obtained with reference to published data in food composition tables. Students will gain an appreciation of the limitations of both methods of data collection and will become competent in the use and interpretation of food composition software packages.

Textbooks

Proudlove RK. The Science and Technology of Foods, Forbes: London, 1985.
English R and Lewis J. Nutritional values of Australian Foods, AGPS: Canberra.
Mann J and Truswell AS. Essentials of Human Nutrition, Oxford University Press: Oxford. 3rd Edition, 2007.

NUTR3911

Nutritional Assessment Methods

Credit points: 6 **Teacher/Coordinator:** Dr Karen Webb, Dr Vicki Flood **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour practical per week. **Prerequisites:** Credit average in NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** 1 assignment, 3 practical reports, 3 tutorial papers **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Basic concepts in nutritional status assessment; develop skills in using three classic methods of dietary assessment in individuals and populations, advantages, limitations and application of each method; computerised nutrient analysis; limitations of food composition data; validity of dietary assessment methods and sources of measurement error; using reference standards to assess food and nutrient intakes of individuals and poulations. Overview of nutritional assessment of individuals through anthropometric assessment, clinical examination and commonly used laboratory biochemical tests.

Textbooks

Gibson, RS. Principles of Nutritional Assessment. 2nd ed. Oxford University Press. New York. 2005.
Webb K, Course Manual for Nutritional Assessment Methods. 2008.

NUTR3912
Community and Public Health Nutrition

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis. **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour workshop and tutorial per week. **Prerequisites:** Credit average in NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2 hour exam, 2-3 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 such as low income groups, indigenous populations and homeless youth 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. It also looks at current public health nutrition strategies for promoting health and preventing diet related diseases. The delivery of material involves lectures, tutorials and workshops.

Textbooks

Lawrence M & Worsley T (Editors) Public Health Nutrition - From Principles to Practice. Allen & Unwin, 2007. ISBN 978 174175 102 47.
Hawe P, Degeling D and Hall J. Evaluating Health Promotion: A health worker's guide. McLennan and Petty, 1990. ISBN 086 4330677.
Mann J & Truswell AS. Essentials of Human Nutrition. Oxford University Press. Oxford. 3rd edition 2007.

NUTR3921
Methods in Nutrition Practice

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 1 **Classes:** One 2 hour lecture and one 3 hour tutorial per week. **Prerequisites:** Credit average in NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** One 2.5 hour exam and 2-3 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This course covers basic concepts in nutritional epidemiology; advantages and limitations of epidemiological methods; use of statistics in nutrition; critical interpretation of published data; survey questionnaire design and statistics and designing nutrition databases.

Textbooks

Bonita, R, Beaglehole, R, Kjellstrom, T, Basic Epidemiology (2nd Edition), World Health Organisation, Geneva, 2006, ISBN 924154465.
Lawrence M & Worsley T (Editors), Public Health Nutrition - From Principles to Practice, Allen & Unwin, 2007, ISBN 978 174175 102 4.

NUTR3922
Nutrition and Chronic Disease

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour workshop/tutorial per week. **Prerequisites:** Credit average in NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2.5 hour exam, 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. These include National Dietary Guidelines, Nutrition Reference Values, food legislation and Commonwealth and State food policies. Students will also get an opportunity to examine the current popular fad diets on the market. There is also a section on developing communication skills for promoting positive nutrition messages using the media. The delivery of material involves lectures, tutorials and workshops.

Textbooks

Mann J & Truswell AS. Essentials of Human Nutrition. Oxford University Press. Oxford. 3rd edition 2007.
Bauer K and Sokokil C. Basic Nutrition Counselling Skills. Wadsworth, 2002. ISBN: 0727 916645.
Lawrence M & Worsley T (Editors). Public Health Nutrition - From Principles to Practice. Allen & Unwin, 2007. ISBN 978 174175 102 4.

NUTR4001
Clinical Nutritional Science A

Credit points: 24 **Teacher/Coordinator:** Ms Beth Rohrlach **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.

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 Beth Rohrlach and 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. **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 **Session:** Semester 1 **Classes:** 2 hr lecture, 2hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The process of understanding and appreciating people's occupations 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 skills to discover where, when, how and why people from different backgrounds occupy their time. 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? 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
Analysing Occupation and Performance

Credit points: 6 **Session:** Semester 1 **Classes:** 2hr lecture, 2hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The expertise to analyse: a) self-care, mobility, domestic, social, educational, play, leisure, economic, and community activities (i.e., task analysis); b) a person's performance of activities (i.e., activity analysis); and c) the context in which people participate in activities (i.e., environmental analysis) is a fundamental skill for occupational therapy practice. 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 activities? How do I identify environmental factors that influence people's performance in activities? How do I structure and adapt activities so they possess greater therapeutic potential all persons, regardless of the presence of a health condition?

OCCP1098
Teaching Occupations and Performance

Credit points: 6 **Session:** Semester 2 **Classes:** 2hr lecture, 2hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Teaching and learning is a fundamental, collaborative process applicable to all areas of occupational therapy practice - whether working in partnership with one person or a group of people, providing direct, indirect or consultative services. Anchored in specific principles of teaching and learning relevant to the provision of occupational therapy, students will develop proficiency in using a range of processes to facilitate people's understanding of activities and routines in everyday life and the performance of day-to-day activities and routines. In doing so, students will learn: How do I help people learn to perform activities and develop new routines where they live, work and play? What specific methods do I use to foster learning within different contexts? How do I best consider the learning process for persons with or without health conditions?

OCCP1099
Occupational Peerformance: Healthcare 1

Credit points: 6 **Session:** Semester 2 **Classes:** 2hr lecture, 2 hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

For adults who experience significant challenges to daily life activities 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., self-care, mobility) 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 necessary for working as an occupational therapist within interdisciplinary healthcare teams. In doing so, students will learn: What occupational therapy processes do I use when a person's performance of self-care and mobility activities is significantly challenged? Within physical health care 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 heath care systems? How do I help clients and families address current and future challenges related to daily life?

OCCP1100
Professional Practice I

Credit points: 6 **Session:** Semester 2 **Classes:** 1 hr lecture, 2hr tutorial/week, 40hr practical and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **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.

OCCP2041
Human Occupations IIA

Credit points: 3 **Session:** Semester 1 **Classes:** A combination of lectures, tutorials, seminars, workshops and/or WebCT **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will focus on two areas; occupations as therapy and leisure. The therapeutic use of meaningful occupations from all performance areas will be examined as part of intervention strategies that may address dysfunction. Students will be given the opportunity to analyse occupations in detail, identifying the therapeutic potential inherent in them, how they may be adapted for different populations and how they may be used as a form of therapeutic intervention is examined. This unit of study will also focus on the individual use and development of satisfying leisure. Students will be given the opportunity to explore the importance of leisure through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

OCCP2042
Human Occupations IIB

Credit points: 3 **Session:** Semester 2 **Classes:** On-campus, 2-3hrs lectures/week **Assumed knowledge:** Child development **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The focus of this unit of study is on play and school occupations of children. Students will be given opportunity to analyse these occupational areas and to develop skills in the selection of occupational therapy intervention strategies to improve a child's occupational performance in play and at school.

Textbooks
Recommended readings for each class

OCCP2044
Components of Occ Performance IIB

Credit points: 3 **Session:** Semester 2 **Classes:** On-campus, 13 lectures, 2hr tutorials (alternate weeks) **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will focus on two areas of study: an introduction to group work and mental health practice. Principles of intra-personal and inter-personal practice which underpin occupational therapy assessment and intervention in groupwork practice will be established through experiential learning. Students will also attend a lecture series on interpersonal and intrapersonal practice in the mental health area

in order to restore, maintain and enhance human occupational performance.

OCCP2076
OT Theory and Process II

Credit points: 4 **Session:** Semester 1 **Classes:** Six 2hr lectures, five 2hr tutorials **Assessment:** 45min group presentation/discussion & handout (30%), 4000 word group report (50%), peer participation performance (20%), attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to expand students' understanding of occupational therapy theory and process through the exploration of clinical reasoning and decision-making processes. Case studies and problem-based learning will be linked with assessments to explore the application and use of different theories to guide reasoning. Students will also explore different theoretical models and approaches to the delivery of services in different contexts. Consideration will be given to future practice context and the consequences of theoretical and practice issues for service delivery.

OCCP2077
Occupations/Roles Across the Lifespan II

Credit points: 3 **Session:** Semester 1 **Classes:** Ten 2hr lectures, online (WebCT) requirements **Assessment:** 1500 word assignment (60%), 1hr exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study focuses on the development of occupations and roles during mid-adulthood and in the elderly. Developmental changes and issues occuring at these stages will be examined as they influence the development of occupations and roles and vice versa. Various developmental perspectives on these changes and issues will be explored.

Textbooks
Peterson C, Looking Forward Through the Lifespan (2004)

OCCP2080
Components of Occ Performance IIA

Credit points: 5 **Session:** Semester 1 **Classes:** Thirteen 1hr lectures, six 3hr tutorials **Assessment:** Exam 1 (lecture content Wks 1-7) (40%), exam 2 (lecture content Wks 8-13) (20%), exam 3 (practical exam of tutorial content), audit tasks (20%), 80% attendance requirement for tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines sensorimotor component performance in order to identify and intervene for adults and children who have neuromotor disorders resulting in disturbances in muscle tone, motor control and difficulty achieving optimal performance of occupational tasks. Principles of occupational therapy assessment and intervention strategies covered will focus on positioning for function, positioning to prevent deformity, physical guidance to assist occupational performance, physical guidance to improve specific upper limb reach, grasp and release control in order to restore, maintain and enhance human occupational performance.

Textbooks
Updated readings assigned yearly

OCCP2081
Professional Practice II

Credit points: 3 **Session:** Semester 2 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP1094 Professional Practice I, OCCP1091 Components of Occupational Performance 1A **Assessment:** Assignments, performance report **Practical field work:** Clinical practice, 2 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study provides students with opportunities to demonstrate professional behaviour, integrate and apply theory and skills learned in the previous semesters to occupational therapy practice with guidance/supervision from one or more fieldwork educators. Students will be required to consolidate and expand on previous knowledge and skills.

OCCP3029
Honours Research Seminar I

Credit points: 3 **Session:** Semester 2 **Classes:** On-campus, 2hrs/week **Assessment:** Ongoing assessments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This seminar is designed to assist honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project. The development of the research proposal is undertaken in collaboration with an academic supervisor.

OCCP3032
Occ Therapy Theory and Process III

Credit points: 3 **Session:** Semester 2 **Classes:** 2hr lecture/week, plus WebCT and group work **Assessment:** Peer evaluation, Wks 7 & 11 (25%), industry evaluation, Wk 16 (15%), project presentation, Wk 16 (35%), participation (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to explore the theory and processes of effective management for current and future occupational therapy practice in varying health care contexts. Consideration will be given to the impact of current and emerging professional issues as well as broader issues in the health care sector and in the community.

OCCP3052
Research Project in Leisure and Health

Credit points: 4 **Session:** Semester 2 **Classes:** 3hr tutorial for 7 weeks **Assessment:** 1500 word essay (40%), 3000 word essay (60%), attendance requirement, presentation (hurdle requirement) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: This unit is only available to students after completion of 4 semesters (full-time equivalent) of the course

This unit of study allows students to research and investigate an area that is of particular professional interest to them. It provides opportunities for students to further develop specialised knowledge and skills through an examination and critical review of the literature and the writing of a research paper which demonstrates an in-depth investigation and integration of information from a variety of sources.

OCCP3061
Professional Practice IIIA

Credit points: 12 **Teacher/Coordinator:** Ms Nicola Hancock **Session:** Semester 1, Semester 2, Summer Main **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP2081 Professional Practice II **Assessment:** Performance report, presentation, assignment **Practical field work:** Clinical placement, 7 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

This unit of study provides students with opportunities to demonstrate professional behaviours, integrate and apply theory and skills learned in the previous four semesters of Professional Practice and other units in the course to occupational therapy service provision; assessing, determining goals, planning, implementing, evaluating, reporting and documenting, with guidance/supervision from one or more fieldwork educators. Students will be consolidating and expanding on previous knowledge and skills.

OCCP3064
Human Occupations III

Credit points: 3 **Session:** Semester 2 **Classes:** Eleven 1hr lectures, seven 2hr tutorials **Assessment:** 10min presentation (pairs) (10%), 1500 word assignment (pairs) (40%), 1500 word assignment, attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines the area of productivity, including occupational choice, paid and non-paid work and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to improve human performance in the area of productivity will be outlined.

OCCP3065
Professional Practice IIIB

Credit points: 12 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Clinical/fieldwork placement (7 weeks) **Prerequisites:** OCCP2081 Professional Practice II **Assessment:** Presentation, performance reports **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

This unit of study provides students with opportunities to demonstrate professional behaviours and integrate and apply theory and skills learned in previous units of study in the course to occupational therapy service provision with guidance/supervision from one or more fieldwork educators.

OCCP3066
Components of Occ Performance III

Credit points: 5 **Session:** Semester 2 **Classes:** Unit 1: Twelve 2hr lectures; unit 2: Thirteen 1hr lectures, four 2hr tutorials **Assessment:** Unit 1: 2hr exam (50%); unit 2: 1500 word assignment (30%), independent inquiry tasks (20%). Students must pass both units **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study examines the cognitive component in order to identify and intervene when human performance deficits exist in this area to restore, maintain and enhance human occupational performance. The intra-personal and inter-personal components in occupational therapy mental health practice area will also be studied further.

OCCP3071
Professional Practice IIIE

Credit points: 5 **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3070 Professional Pactice IIID **Assessment:** Fieldwork performance, WebCT entries, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Off-campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off-campus students will negotiate to take this placement on a full or part-time basis while completing the units OCCP3070 Professional Practice IIID, OCCP3071 Professional Practice IIIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and gain mastery of the skills needed in the workplace.

OCCP3072
Professional Practice IIIF

Credit points: 6 **Session:** Semester 2 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3071 Professional Practice IIIE **Assessment:** Fieldwork performance, WebCT entries, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment. Note: This unit of study is for off-campus students only

Off-campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off-campus students will negotiate to take this placement on a full or part-time basis while completing the units OCCP3070 Professional Practice IIID, OCCP3071 Professional Practice IIIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and gain mastery of the skills needed in the workplace.

OCCP4019
Honours Research Seminar II

Credit points: 4 **Session:** Semester 1 **Classes:** On-campus, 2hrs/week **Assessment:** Ongoing assessments **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 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB **Assessment:** Fieldwork component (performance report, presentation and assignments) and on-campus component (presentation and assignments) **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.

OCCP4056
OT in Learning & Co-ord Difficulties

Credit points: 8 **Session:** Semester 1 **Classes:** Thirteen 4hrs lectures **Assessment:** 1500 word assignment, 1000 word report, 3000 word report, 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.

OCCP4062
Community Based Rehabilitation

Credit points: 8 **Session:** Semester 1 **Classes:** Thirteen 2hr lectures **Assessment:** 40min seminar group presentation and handout (40%), 2500 word (per student) manual (group) (60%), attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Many western trained therapists entering community practice (whether in developing counties or developed countries) have little idea of the issues that they will encounter in practice. Developing countries have many years of experience in CBR, therefore we can learn from their experience by firstly reviewing the literature in these areas (most CBR literature is of limited circulation and not easily accessible, if at all, by normal literature review mechanism: this school has an extensive range of literature in the Operation International files to enable people to undertake a review of most pertinent issues). Issues of CBR will be explored and developed to gain a greater understanding of the requirements for working in this area.

OCCP4063
Evaluation of OT Programs

Credit points: 8 **Session:** Semester 1 **Classes:** Thirteen 4hr lecture/tutorial **Assessment:** 1000 word report (20%), 4000 word report (80%), attendance requirement **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study gives students the opportunity to utilise their developing research/evaluation knowledge and learn to apply it to occupational therapy program evaluation, one common use of the research process in professional practice. It is designed to introduce students to some of the issues and practices associated with program and professional activity evaluation. The purpose of this unit of study

is to help students develop the knowledge and skills that will allow them to write good, practical project and evaluation proposals, the kind that will get supported and will make a positive contribution to addressing client needs and those of the workplace and profession.

OCCP4068
OT in Occ Health, Safety & Rehab

Credit points: 8 **Session:** Semester 1 **Classes:** Thirteen 4 hr lecture/tutorial **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.

OCCP4071
Professional Practice IV (Hons)

Credit points: 20 **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3061 Professional Practice IIIA, OCCP3065 Professional Pactice IIIB **Assessment:** Performance report, presentation, assignments **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 (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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.

OCCP4075
Mental Health Interventions

Credit points: 8 **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:** Viva (50%), ten in-class quizzes (30%), in-class and WebCT participation (20%), 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.

OCCP4076
Technology for Living

Credit points: 8 **Teacher/Coordinator:** Dr Graeme Smith, Ms Gemma McDonald **Session:** Semester 1 **Classes:** Thirteen 4hr lectures **Assessment:** Case study assessment (50%), class test (30%), debate (20%) **Practical field work:** At least one external visit **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Internet activity is required as part of this course

This course evaluates various conceptual frameworks that can aid our understanding of the application of this assistive technology. It also examines various assessment tools that are currently in use in different parts of the world. A thorough study of recent literature and research on the application of modern technology will be a key part of the course. Practical aspects of the course will include demonstrations and hands-on use of modern assistive technologies. Visits will also be undertaken to key assistive technology centres in Sydney. Both theoretical and practical aspects of the course will come together in a series of case studies, drawn from the real experiences of people with a disability.

Textbooks
Cook A & Polger J, Cook & Hussey's Assistive Technologies- Principles and Practice (3rd ed), Mosby (2007) contains useful material on most aspects of the course. Students will be directed to journal articles, other reference material and research, much of which is available online

OCCP4077
Professional Elective - General

Credit points: 8 **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 **Campus:** Cumberland **Mode of delivery:** 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.

OCCP4078
People with Intellectual Disability

Credit points: 8 **Session:** Semester 1 **Classes:** 4hrs/week **Assessment:** 1500 word essay (30%), 500 word site visit report (15%), presentation on fieldwork project (20%), 2000 word report on fieldwork project 935%). Two 250 word individual audit tasks, 85% attendance requirement **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 adolescents and adults. 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, and the role of occupational therapists in those settings. 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.

Textbooks
Readings will be provided throughout the semester

ORTH2059
The Eye and Vision

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1 **Classes:** This unit of study will be delivered using varied methods including; face-to-face lectures, tutorials and online learning **Assessment:** Practical skills (30%),communityplacement and reflection report (10%), written exam, Wks 15-16 (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this subject, the normal eye and ocular systems will be introduced. The unit commences with basic anatomy, embryology, physiology and optics of the eye using a systematic approach, followed by sensory visual functions and nourishment and protective systems of the eye. There is an introduction to the specialised methods of testing in a paediatric population. Basic clinical skills and assessment will be introduced, including testing of visual acuity, colour vision and contrast sensitivity. This unit of study is also offered by the discipline of Applied Visual Sciences as an elective to all students enrolled in the Bachelor of Health Sciences.

ORTH2060
Disability and Vision Impairment

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 2 **Classes:** This unit of study will be delivered using varied methods including face-to-face and online delivery **Assessment:** Group work, case studies **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit of study, the common causes of vision impairment will be introduced, with emphasis on the nature of the rehabilitation process. Students will be encouraged to identify the person's particular needs and be aware of available strategies that can help to meet these needs. This subject is offered as an elective to all students enrolled in the Bachelor of Health Sciences.

Textbooks
No set textbooks: students will have access to a wide range of learning materials

ORTH4020
Neurological Eye Movement Disorders

Credit points: 5 **Teacher/Coordinator:** Assoc Prof Elaine Cornell, Mrs Neryla Jolly **Session:** Semester 1 **Classes:** 3hr lecture/week **Prerequisites:** ORTH3055 Instrumentation III **Assumed knowledge:** Anatomy and physiology of the visual pathway with emphasis on the motor pathway; ORTH3054 Orbital and Restrictive Conditions **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study explores the disorders of the cortical, brain stem and infranuclear control of eye movements along with their special assessment procedures and mangement. On completion of this unit, the student will be able to analyse and select appropriate test procedures and develop management of the complex eye disorders.

ORTH4021
Orthoptics in Adult Practice

Credit points: 4 **Session:** Semester 1 **Classes:** 3hr lecture/week **Assumed knowledge:** Relevant ocular anatomy and systemic disease processes **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study consists of a series of modules which include ageing of body systems and ocular structures; retinal vascular disorders; macular disorders. Complex cases that reflect multifactorial disorders such as patients with glaucoma and cataracts will be used to demonstrate the orthoptist's role in adult practice.

ORTH4022
Orthoptics in Ophthalmic Practice

Credit points: 4 **Session:** Semester 1 **Classes:** 3hr lecture/week **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Learning in this unit will cover the following key areas: inflammation of the eye; contact lens complications; trauma; surgical asepsis, minor surgical procedures, assisting in surgical procedures; and the orthoptist in ophthalmic practice management. By the end of the unit, the student will be able to identify strongly with the role the orthoptist plays in ophthalmic practice.

ORTH4023
Professional Studies

Credit points: 5 **Teacher/Coordinator:** Mrs Neryla Jolly **Session:** Semester 1 **Classes:** 3hr lecture/week **Assumed knowledge:** All ocular motility/professional units of study **Assessment:** Four case studies (10% ea), oral case analysis (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit, special issues relating to professional practice are discussed, covering complex case studies, medicolegal issues, ethics and occupational health and safety.

ORTH4024
Rehabilitation for Vision Impairment

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 1 **Classes:** 3hr lecture/week **Assumed knowledge:** Relevant ocular anatomy and systemic disease processes **Assessment:** Case study, small group assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

During this unit of study, the nature of the rehabilitation process will be explored in relation to individuals who are visually impaired and those with associated conditions such as motor impairment from stroke. The orthoptist's role beyond the clinical environment will be addressed. By the end of the unit, the student will be able to demonstrate an understanding of the implication of vision impairment on all aspects of an individual's life and show an awareness of appropriate low vision services available in Australia.

ORTH4026
Clinical Project

Credit points: 3 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 2 **Classes:** Supervised individual student activity **Assumed knowledge:** Principles of research project design **Assessment:** 1500 word written report **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study provides the student with the opportunity to carry out a structured clinical exercise in a professional area.

ORTH4027
Professional Practice IVHA

Credit points: 3 **Session:** Semester 1 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study will provide honours students with the opportunity to carry out activities relevant to their area of research, e.g. in the clinical environment.

ORTH4028
Research Report A

Credit points: 3 **Session:** Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will provide the student with the opportunity to begin writing their final research report. Students will attend individual meetings with their supervisor and group research meetings.

ORTH4030
Research Report B

Credit points: 9 **Session:** Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will provide the student with the opportunity to continue writing their final research report. Students will attend individual meetings with their supervisor and group research meetings. The findings from the honours research project will be presented in a research report in a form suitable for submission for publication in a refereed journal.

ORTH4035
Professional Practice IVA

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Complex squint exam (70%), online case study (20%), trial exam (10%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies, as well as

providing opportunity to integrate all components of the course. Students will gain clinical experience in the investigation and management of complex strabismus.

ORTH4036
Professional Practice IVB

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Ophthalmic clinical exam (70%), online case study (20%), supervisors report (10%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in advanced ophthalmic practice.

ORTH4037
Professional Practice IVC

Credit points: 4 **Session:** Semester 1, Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

This unit provides students with the opportunity to gain clinical experience in an elective area of choice such as refractive surgery, low vision, paediatrics and rehabilitation.

ORTH4045
Professional Practice IVHBA

Credit points: 5 **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Complex squint exam (70%), online case study (20%), trial exam (10%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in the investigation and mangement of complex strabismus.

ORTH4046
Professional Practice IVHBB

Credit points: 5 **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in advanced ophthalmic practice.

ORTH4047
Professional Practice IVHBC

Credit points: 5 **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit provides students with the opportunity to gain clinical experience in an elective area of choice such as refractive surgery, low vision, paediatrics and rehabilitation.

PHTY2045
Evidence Based Physiotherapy

Credit points: 3 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 1 **Classes:** 1hr lecture/week (Wks 1-11), 2hrs tutorials/week (Wks 8-11) **Prerequisites:** BACH1143 Designing Health Research **Corequisites:** BACH1145 Quantitative Health & Social Research or BACH1147 Qualitative Health & Social Research, PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement **Assessment:** Written report due Wk 13 (40%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit students will learn how clinical research can guide clinical practice. Students will learn to find and critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists and how to apply that information to individual patients.

Textbooks
Herbert R, Jamtvedt G, Mead J & Hagen KB, Practical Evidence-Based Physiotherapy, Elsevier, Oxford (2005)

PHTY2046
Professional Practice

Credit points: 4 **Teacher/Coordinator:** Ms Vicki Williams **Session:** Semester 1 **Classes:** 1hr lecture, 2hrs tutorials/week **Prerequisites:** BACH1130 Foundations of Health Sociology, BACH1132 Foundations of Health Psychology **Corequisites:** PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement **Assessment:** Written assignment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces the students to broad and specific issues and practices in health care delivery affecting physiotherapists. This includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment. Students will explore the New South Wales Physiotherapists Registration Board policy on professional conduct and learn to apply this policy in ethical and clinical decision-making. The importance of communication and respect for cultural differences in professional conduct will be addressed. Communication will include interviewing and the principles and process of professional documentation. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 2001 and by other health acts and the meaning of professional misconduct and other associated behaviours are explored in both lecture and tutorial format. Students will examine the impact of legislation and health policy on service delivery within health care in Australia and the distribution of funding for preventative, palliative and curative care. In addition, students will be assigned to clinical units in the metropolitan region and will undertake structured learning tasks which apply principles taught in this unit of study. Students will complete a workbook of their experiences which will form part of the assessment of the mentored clinical placement.

Textbooks
Higgs J, Sefton A, Street A, McAllister L & Hay I, Communicating in the Health and Social Sciences, Oxford University Press, Melbourne (2005)

PHTY2047
Clinical Observation and Measurement

Credit points: 4 **Teacher/Coordinator:** Dr Mark Hancock **Session:** Semester 1 **Classes:** 1hr lecture, 2hrs tutorials/week **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B (Physiotherapy), EXSS1026 Biomechanics A, EXSS1027 Biomechanics B **Corequisites:** PHTY2045 Evidence Based Physiotherapy, PHTY2046 Professional Practice **Assessment:** Written assignment (20%), end semester written exam (50%), practical exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit 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 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 every day 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 level of participation. Each module considers the development and change in impairments and activities over the lifespan. The principles and practice of manual handling, including lifting and transfers, will be covered in the context of each tutorial. In addition, students will be assigned to clinical sites in the metropolitan region and will undertake structured learning tasks which apply principles taught in this unit of study. Students will complete a workbook which will form part of the written assessment of the mentored clinical placement.

PHTY2048
Cardiopulmonary Physiotherapy A

Credit points: 4 **Teacher/Coordinator:** Ms Nia Luxton **Session:** Semester 2 **Classes:** 1hr lecture, 2hrs tutorial/week **Prerequisites:** BIOS1133 Body Systems: Structure and Function I **Corequisites:** BIOS2099 Body Systems II and Pharmacology **Assessment:** Mid semester practical exam (20%), end semester written exam (80%) **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 dysfunction. In particular, students will evaluate the pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective, inflammatory and restrictive conditions; and airflow limitation on pulmonary function. Additionally, students will develop treatment strategies to effectively manage respiratory problems. The unit will provide students with an opportunity to apply, integrate and extend knowledge gained through the foundation sciences and preclinical physiotherapy units of study.

PHTY2049
Neurological Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Ms Angela Stark **Session:** Semester 2 **Classes:** Wks 1-6: 2hrs lectures, 4hrs tutorials/ week; Wks 7, 9-13: 1hr lecture, 2 hrs tutorials/week **Prerequisites:** BIOS2103 Neuroscience for Physiotherapists, PHTY1021 Motor Performance and Learning **Corequisites:** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement **Assessment:** Mid semester practical exam (25%), end semester written exam (40%), end semester practical exam (35%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Neurological physiotherapy aims to develop in students an ability to apply relevant theoretical and data-based scientific findings to clinical practice in the area of motor disability arising from disease and trauma to the nervous system. This unit introduces pathology, impairments, activity limitations and participation restrictions arising from conditions of acute onset across the lifespan, using examples such as stroke, traumatic brain injury, cerebral palsy and Guillain-Barre 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. Students will learn to assess, train and measure everyday activities such as sitting, standing up, standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed. The contribution of other health professionals to the rehabilitation process is also addressed.

PHTY2050
Musculoskeletal Physiotherapy A

Credit points: 8 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** 2hrs lectures, 4hrs tutorials/week **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B **Corequisites:** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement, PHTY2051 Musculoskeletal Physiotherapy B **Assessment:** Mid semester practical exam (20%), end semester practical/viva exam (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 simple musculoskeletal disorders of the lower extremity at a level appropriate to commence physiotherapy practicums. 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. Interventions will include selected electrophysical agents, exercise prescription, taping, manual therapy and the prescription of walking aids. This unit of study complements Musculoskeletal Physiotherapy B and lays the foundation for Musculoskeletal Physiotherapy C, D and E which will further develop skills in disorders of the spine, upper extremity and more complex musculoskeletal conditions.

PHTY2051
Musculoskeletal Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Dr Paulo Ferriera **Session:** Semester 2 **Classes:** 21hrs lectures, 36hrs tutorials **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B **Corequisites:** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement, PHTY2050 Musculoskeletal Physiotherapy A **Assessment:** Practical skill assessment mid and end semester, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit of study is to develop the skills required for primary care management of low back, hip/groin and pelvic pain at a level to commence 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 for management options is explored and students learn to apply a range of treatments such as advice, manual therapy, exercise, McKenzie therapy etc. Non-physiotherapy treatments such as surgery and drug therapy are also covered. The unit aims to teach students to integrate a variety of approaches into management of back, hip/groin and pelvic pain. 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 and lays the foundation for Musculoskeletal Physiotherapy C, D and E which will further develop skills in disorders of the spine, upper extremity and more complex musculoskeletal conditions.

PHTY3051
Cardiopulmonary Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Dr Lyndal Maxwell **Session:** Semester 1 **Classes:** Wks1-6: two 1hr lectures, two 2hr tutorials/week; Wks 8-13: 1hr lecture, 2hr tutorial/week **Prerequisites:** EXSS2024 Applied Physiology, PHTY2048 Cardiopulmonary Physiotherapy A **Assessment:** Mid semester presentation, written assignment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to continue to develop knowledge and skills in the assessment and treatment of patients across the age spectrum with acute and chronic pulmonary dysfunction. This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective treatment of patients across the age spectrum with acute and chronic cardiac dysfunction. 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 and to other special populations. In addition, students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective management of intubated and non-intubated patients.

PHTY3052
Neurological Physiotherapy B

Credit points: 4 **Teacher/Coordinator:** Dr Colleen Canning **Session:** Semester 1 **Classes:** 1hr lecture, 2hr tutorials/week **Prerequisites:** PHTY2049 Neurological Physiotherapy A **Assessment:** End semester practical assessment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit consists of two modules. The first module introduces pathology, impairments, activity limitations and participation restrictions arising from conditions of acute onset which do not recover and require adaptation such as spinal cord injury and spina bifida. Impairments such as spasm, overactive cutaneous reflexes, skin breakdown, as well as adaptations to these impairments such as the development of contracture and loss of fitness will be studied. Students will learn to assess, train and measure outcome of everyday activities for these populations such as mobility via aided gait or wheelchair and hand function using a tenodesis grasp. The second module examines the pathology, impairments, activity limitations and participation restrictions arising from degenerative conditions which require adaptation such as Parkinsonism, multiple sclerosis and motor neuron disease. Impairments such as bradykinesia, dyskinesia, rigidity, tremor, ataxia and fatigue as well as adaptations to impairments such as the development of contracture and loss of fitness will be studied. Students will learn to assess and train or prescribe appropriate aids to enable activities such as rolling over, sitting, mobility, transferring and reaching and manipulating objects to be carried out.

PHTY3053
Musculoskeletal Physiotherapy C

Credit points: 8 **Teacher/Coordinator:** Dr Bronwen Ackermann **Session:** Semester 1 **Classes:** 2hr lectures, 4hrs practicals, tutorials/week **Prerequisites:** PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B **Corequisites:** PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** Mid semester practical assessment, end semester practical assessment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit is to further develop skills for assessment, diagnosis and management of musculoskeletal conditions with a focus on the upper extremity across the lifespan. The unit will cover selected musculoskeletal conditions of the upper extremity including fractures, surgery and soft tissue injury. Students will develop their existing ability to select and implement physiotherapy interventions based on principles of clinical reasoning, evidence based practice and safety for the management of such conditions. Interventions will include exercise prescription, manual therapy, selected electrophysical agents and advice. This unit of study integrates knowledge from earlier foundation science and physiotherapy subjects (particularly Musculoskeletal Physiotherapy A and Musculoskeletal Physiotherapy B). This unit will complement Musculoskeletal Physiotherapy D and contribute to the foundations of Musculoskeletal Physiotherapy E which integrates Musculoskeletal Physiotherapy A, B, C and D to further develop skills in the management of more complex musculoskeletal conditions.

PHTY3054
Musculoskeletal Physiotherapy D

Credit points: 6 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 1 **Classes:** Wks 1-6: 1hr lecture, 2hr tutorial/week; Wks 7, 9-13: 2hrs lectures, two 2hrs tutorials/week **Prerequisites:** PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B **Corequisites:** PHTY3053 Musculoskeletal Physiotherapy C **Assessment:** Mid semester practical assessment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This module aims to provide a detailed approach to history taking and performance of the physical examination of a patient with neck pain or thoracic spine pain. With the integration of communication and listening skills, application of sound physical testing procedures and clinical reasoning, the aim is to enable students to be able to diagnose/triage and manage neck pain or thoracic spine pain patients presenting to primary care and with a more complex presentation. Students will learn how to assess, manage and monitor cervical and thoracic spine conditions using evidence-based practice strategies and to understand how to differentiate symptoms arising from different regions, e.g., shoulder vs cervical spine and monitor the outcomes of treatment. This unit also includes modules on chronic pain cognitive behaviour therapy and common disorders of the face, head and neck including TMJ. This unit of study complements Musculoskeletal Physiotherapy C and lays the foundations for Musculoskeletal Physiotherapy E which will further develop skills in the management of more complex musculoskeletal conditions.

PHTY3055
Physiotherapy Practicum A

Credit points: 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 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 practicums 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 practicums 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.

PHTY3056
Physiotherapy Practicum B

Credit points: 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 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 practicums 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 practicums 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.

PHTY3057
Physiotherapy Practicum C

Credit points: 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation & Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 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 practicums 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 practicums 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.

PHTY4092
Musculoskeletal Physiotherapy E

Credit points: 4 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 1 **Classes:** Wks 1-5: 2-3hrs lectures, 4-6hrs tutorials/week **Prerequisites:** PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** Practical exam (30%), written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will focus on the development of advanced skills in assessment and management of the musculoskeletal system. This unit covers: spinal manipulation, physiotherapy and emerging technology, the changing role of the physiotherapist in the health care system and musculoskeletal complex cases. Students will be expected to demonstrate competence in performance of spinal manipulative skills as well as demonstrate clinical reasoning in the application of these skills. Emerging technologies will be explored in relation to physiotherapy practice and students will evaluate the role of the physiotherapist in a changing health environment and explore future directions. In the complex cases module, the emphasis will be on multi-system complex problems, understanding the relevance of coexisting pathologies and integration with other core areas, e.g., depression/low back pain.

PHTY4093
Cardiopulmonary & Neurological Physio

Credit points: 4 **Teacher/Coordinator:** Dr Lyndal Maxwell, Dr Louise Ada **Session:** Semester 1 **Classes:** Two 1hr lectures, two 2hr tutorials/week **Prerequisites:** PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B **Assessment:** Two written assignments (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines the theoretical basis for clinical intervention in cardiopulmonary and neurological physiotherapy. 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 the history of neurological rehabilitation, acute neuromedical and neurosurgical interventions and the management of some less common neurological conditions. Students will be expected to evaluate the scientific basis and ethical, legal and practical implications of current physiotherapy interventions in relation to both cardiopulmonary and neurological conditions.

PHTY4094
Physiotherapy Practicum D

Credit points: 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1 **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

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 practicums there will be opportunities for interprofessional learning.Physiotherapy practicums 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:** Semester 1 **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

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 practicums there will be opportunities for interprofessional learning. Physiotherapy Practicums 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, 2hr tutorials every 2nd week plus structured independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group assignment (40%), end semester written exam (60%) **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, 2hr tutorials every 2nd week plus directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Poster presentation (40%), written report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit 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:** Dr Debra Shirley **Session:** Semester 2 **Classes:** 1hr lecture, 2hr tutorials/week including directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group assignment (40%), end semester written exam (60%) **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 practicums 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 Zoe McKeough **Session:** Semester 2 **Classes:** 1hr lecture, 2hr tutorials/week including directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group seminar (40%), end semester written assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit 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:** Ms Gemma Lloyd **Session:** Semester 2 **Classes:** 3hrs/week plus structured independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group seminar (40%), end semester written assignment (60%) **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 Sharon Kilbreath **Session:** Semester 2 **Classes:** 6hrs/week **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 **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** A variety of assessment methods will be employed dependent upon the nature of the elective topic selected by the student **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will select an appoved 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. **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: language; science and statistics in psychology; behavioural neuroscience; applied psychology; social psychology; personality theory.

This unit is also offered in the Sydney Summer School. Consult the web site:

http://www.usyd.edu.au/summerschool/

for more information.

Textbooks
Psychology 1001 manual,
Weiten, W. Psychology. Themes and variations. 7th Ed. Belmont, CA: Thomson Wadsworth. 2007

REHB3056
Rehab of Persons with Hearing Loss

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1, Semester 2 **Classes:** Students are required to attend Deaf Education Network (DEN) Auslan courses **Assessment:** Credit transfer granted to students who successfully complete Auslan Certificates 1 and 2 at Deaf Education Network (DEN) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students are exposed to a method of communication with persons with hearing impairment.

REHB3062
Public Offenders: Criminality & 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

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

REHB3063
Disability, Work and Quality of Life

Credit points: 6 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Assessment:** Multiple choice and short answer class exercise (25%), group presentation and 500 word summary report (25%), 2000 word logbook (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a faculty wide elective for sem 1, and a core unit for sem 2 for the BHS/MRC

This unit will provide students with a sound understanding and awareness of disability and social disadvantage issues in today's society, viewed from the perspective of the consumer, the health professional and society. It will explore the primary causes of the major categories of disability and social disadvantage together with indicators and research findings of social and vocational alienation within communities. The subject will further investigate the role of rehabilitation in light of the physical, social and psychological consequences and impacts of disability and social disadvantage (both positive and negative) particularly in relation to work, education, quality of life and community integration. We will explore the stages of change and the significance of attitude, perceptions, group norms and the role of significant others.

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

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 trails 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

REHB3065
PTSD and Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** Distance education students will be provided with module notes, readings and exercises **Prohibitions:** REHB3059 Rehabilitation and PTSD **Assessment:** Take home exam (40%), 2000 word research report (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit introduces the clinical entity of posttraumatic stress disorder (PTSD). Students will learn about the history, nature and presentation of the disorder. Major theoretical approaches to treatment and rehabilitation are examined with interventions for both acute and persisting forms of the disorder being presented. Students will examine the contributions of a range of health care/rehab professionals to the case management of people with PTSD. Students will have the opportunity to extend their knowledge of PTSD through the completion of a specialised research report.

REHB3066
Chronic Pain: Disability and Rehab

Credit points: 6 **Teacher/Coordinator:** Mrs Caroline Howe **Session:** Semester 2 **Classes:** Online **Prohibitions:** REHB3060 Chronic Pain and Rehabilitation **Assessment:** Multiple choice and short answer exam (20%), 4 discussion group entries (2000 words) (30%), 2000 word research report (50%) **Campus:** Cumberland **Mode of delivery:** On-line

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
MacLellan, Management of Pain. A Practical Approach for Health Professionals (1st ed), Nelson Thomas (2006)

REHB3067
Acquired Brain Injury Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** 1hr lecture/week **Prohibitions:** REHB3053 Acquired Brain Injury Rehabilitation **Assumed knowledge:** Basic understanding of anatomy of the brain and human behaviour and cognition patterns **Assessment:** Mid semester exam (30%), resource folder (30%), 1500 word essay (40%) **Practical field work:** Contact with rehabilitation agencies will form part of the resource folder assignment as will accessing information through other sources (e.g., internet) on the services provided for persons with acquired brain injury **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to a particular disability population, namely those persons with an acquired brain injury. The unit commences with an examination of different areas of the brain specifically in terms of the specific actions and thought processes associated with those different areas. How brain injuries are acquired, the different types of brain injuries that occur and their effects on

individual client functioning in cognitive, physical, psychological and behavioural domains will also be examined. The unit also focuses in on the impact of brain injury on significant others. The epidemiology of brain injury and the risk factors associated with those who most frequently acquire such injuries are explored. The rehabilitation process, the types of services offered, how they are offered, the roles of different health professionals in providing these services and how long and involved the rehabilitation process is will be for individual clients is also outlined. Analysis of the current range of service providers will be undertaken by students. The range of possible outcomes (community, avocational and work) for this client population will be explored, as will the client and family response to these potential outcomes. Finally the impact of legislation on service provision will also be examined.

REHB3069
HIV/AIDS: Developments in Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 2 **Classes:** Distance education students will be provided with module notes, readings and exercises **Assessment:** Take home exam (40%), 2000 word research report (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit presents the epidemiology, health impacts, interventions and rehabilitation of HIV disease. Latest research that examines medical, health and psychosocial aspects will be explored. Current and innovative approaches to treatment and rehabilitation will be examined. Issues for counselling and counsellors who are working with people with HIV as well as personal perspectives of people with HIV will be discussed. Students will explore the consequences of this disease on quality of life for people with HIV who are living and working in the community.

REHB4009
Rehabilitation Counselling IV

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 1 **Classes:** On-campus, 2hrs/week **Prerequisites:** REHB3043 Rehabilitation Counselling IIIB **Assessment:** Interview demonstration **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Counselling interview practice which focuses on the application of solution-focused brief therapy to facilitate the rehabilitation process of case study clients.

REHB4019
Thesis A

Credit points: 7 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students undertake a supervised research project in one of the range of areas of rehabilitation and/or disability. Students choose a research topic, conduct a literature review, develop a research design and prepare an ethics submission under the supervision of an academic staff member.

REHB4021
Professional Practice IVA

Credit points: 3 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1 **Classes:** Fieldwork placement **Assessment:** Assessment based on clinical performance, written material **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students will participate in advanced professional development workshops and lectures which will be offered at a higher level of skill development to reflect the advanced competencies and range of experience of students nearing completion of their studies.

REHB4022
Professional Practice IVB

Credit points: 24 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1, Semester 2 **Classes:** Fieldwork placement **Assessment:** Assessment based on clinical performance, written material **Practical field work:** Fieldwork (10 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

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

Students are required to complete a supervised 10-week full time block (or equivalent) placement in a rehabilitation or related program. As the final practicum of the four-year professional practice program, students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning in a supervised setting.

REHB4024
Professional Practice IVHA

Credit points: 8 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1 **Classes:** Fieldwork placement **Prerequisites:** Either REHB1006, or REHB1008 Professional Practice IA and REHB1009 Professional Practice IB; either REHB2018, or REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB; REHB3049 Professional Practice IIIA, REHB3050 Professional Practice IIIB **Assessment:** Assessment based on clinical performance, written material **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students will participate in advanced professional development workshops and lectures which will be offered at a higher level of skill development to reflect the advanced competencies and range of experience of students nearing completion of their studies.

REHB4025
Professional Practice IVHB

Credit points: 16 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 2 **Classes:** Fieldwork placement **Prerequisites:** REHB1006 Professional Practice 1, or REHB1008 Professional Practice IA and REHB1009 Professional Practice IB, REHB2018 Professional Practice IIB, or REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB, REHB3049 Professional Practice IIIA, REHB3050 Professional Practice IIIB **Assessment:** Assessment based on clinical performance, written material **Practical field work:** Supervised placement (10 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students are required to complete a 10 week supervised full-time block placement (or equivalent) in a rehabilitation or related program. As the final practicum of the four-year professional practice program, students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning in a supervised setting.

REHB4026
Thesis B

Credit points: 8 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Prerequisites:** REHB4019 Thesis A **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will collate and analyse their data, interpret the results and submit a thesis describing the project and its implications for service delivery and further research.

SING4052
Topics in Physiotherapy Management

Credit points: 3 **Session:** Semester 1 **Classes:** SIM: block mode **Assessment:** Presentation (50%), written report (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study module provides the student with knowledge and skills in quality management and health promotion appropriate for physiotherapy practice. It consists of two discrete components related to the delivery of physiotherapy services: the first component focuses on quality management and the second on health promotion. The quality management component aims to explore the principles and procedures of quality management specifically in relation to evaluation of patient outcomes. Prior knowledge is built up in such a way as to ensure that the student will be able to evaluate physiotherapy services using valid and reliable criteria. This component provides the student with the opportunity to identify areas in which evaluation can be used to direct physiotherapy intervention; to discuss practical aspects as well as philosophical issues related to measurement of outcome; and to investigate the variety of measures used to assess clinical outcomes. The student will also explore these issues in the student's own workplace and develop a project proposal. Factors considered

in determining the effectiveness of a physiotherapy service will include the direct and indirect costs of the service and the benefits gained by both individuals and the community. The health promotion component will provide the student with an overview of the principles and practice of health promotion which is explored within a community based framework. These principles relate to the skills a physiotherapist can offer in delivering a well planned health promotion project for a specific community group such as ageing and or working populations. The student will critique a health promotion program that has been implemented in the student's community. This will provide a discussion with the other students. In analysing the health promotion program the student will develop critical skills giving due consideration to the program's appropriateness for the specific group being targeted and the health problem the program is attempting to prevent.

SING4054
Community Based Programs Development

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: block mode **Assessment:** Presentation and writeup (30%), written proposal (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit provides students with the opportunity to understand the issues of service provision within a community context and to explore a range of strategies which underpin the development of community based programs relevant to the needs of the Singapore population. Students will have the opportunity to attend and participate in workshops which focus on microskills appropriate for use in community occupational therapy.

SING4055
Managing Occupational Therapy Services

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Presentation and writeup (30%), written proposal (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit provides students with the opportunity to review current managerial theories and practice which can be applied to the planning, organising, staffing, leading and continuous quality improvement of occupational therapy services in the Singapore context. Emphasis will be placed on the use of evidence-based health care, and the use of an evidence-based approach to making management decisions at micro and macro levels and in related clinical service delivery.

SING4056
Cognitive & Perceptual Components of OT

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** 3000 word written assignment (100%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will extend students' knowledge and skills relative to occupational therapy management of children and adults who have neurological conditions which affect their occupational performance. The emphasis will be on the assessment and treatment of cognitive/perceptual disorders that interfere with the performance of everyday tasks and routines.

SING4057
Advanced Communication Techniques in OT

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Reflective writing exercise (30%), 2000 word written assignment (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit introduces students to a range of advanced communication techniques for the development of self, clients and significant others. Identification of own and others' learning styles, conflict resolution, negotiation, assertive, neurolinguistic and summarising techniques will be addressed, with specific reference to their application in cognitive, intra- and interpersonal components of performance.

SING4059
Computer Communication in MRT

Credit points: 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Class test (20%), assignment (40%), exam (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This module provides students with an understanding of the design implications of digital image management and the communication systems needed to facilitate patient care. Concepts involving Picture Archival and Communication Systems (PACS), DICOM, Radiology Information System (RIS), tele-radiology and record and verify systems will be discussed. Guidelines concerning information security and confidentiality will be discussed. The impact of image matrix size on image quality, information storage, data transfer rates, display capability and the need for storage compression will be examined. This module also provides the student with the opportunity to examine a range of computer methods to efficiently utilise staff time and resources within a medical radiation department. Within this module special attention will be given to either diagnostic radiography or radiation therapy as appropriate to the student.

SING4061
The Quality Perspective Applied to MRT

Credit points: 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Presentation (25%), two written assignments (35% and 40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study introduces the experienced radiographer and therapist to many of the current aspects of the quality perspective. It gives a foundation in the development of the quality perspective and its application to MRT and encourages the experienced radiographer and therapist to examine the management of quality in their work place. The application of quality monitoring to important routine tasks in the MRT environment is explored.

SING4062
Health Care Ethics

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Group presentation work (20%), exam (80%) **Campus:** Cumberland **Mode of delivery:** Block Mode

In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

SING4063
Legal Perspectives and Health Care

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Court report (20%), exam (80%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

SING4064
Patient/Client Education

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Pre-module work (15%), assignment (85%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the microskills of teaching and in so doing also come to recognise what is 'personally distinctive' about their own style of teaching.

SING4065
Managing Resources in Health Services

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Assignment (25%), exam (75%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal setting, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

SING4066
Pathophysiology A

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Worksheet (15%), exam (85%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING4067
Pathophysiology B

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Worksheet (15%), exam (85%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Pathophysiology B complements SING4066 Pathophysiology A by further examining the pathophysiological processes underlying disease conditions. In this module the major systems covered are the immune system, the endocrine system, the digestive system and the nervous system. Neoplasia is also a major concept covered within this module. Case studies are used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The underlying pathophysiological processes are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING4068
Research Methods: Design

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Exam (80%), research proposal (20%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit introduces students to the concept of scientific research by defining the key approaches, methods and designs used in carrying out research, particularly within the health professions and health care settings. It incorporates an outline of the research process which will guide students through the completion of a simple descriptive study. Students will develop basic skills related to instrument design, data collection and data analysis. SPSS software will be used to facilitate achievement of the objectives.

SING4069
Research Methods: Analysis

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Research report (20%), exam (80%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The unit examines issues related to research design and how best to analyse and interpret data collected using a variety of experimental and non-experimental designs. Students are given the opportunity to apply the various skills in the conduct of a clinical-focused group research project.

SING4070
Sociology of Work and Organisations

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Mini-poster (30%), exam (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study examines sociological perspectives relating to work and organisations. It includes the study of the nature of work and occupational structures in modern societies, occupational choice and professionalism. Also included is an examination of the structural aspects of organisations with an emphasis on the hospital as the major work place of health care professionals.

SING4071
Patient-Practitioner Relationships

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Class presentation (20%), exam (80%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study examines sociological perspectives relating to the patient-practitioner relationship. It includes the study of the generic professional-client model, the sick role and other models of patient-practitioner relationships, and the key interpersonal aspects of the work of health care professionals. Consideration will be given to the nature of health care as emotion work; aspects of sociology of the body and the stigma associated with illness, disease and disability; and the skills required to facilitate communication and interaction in the patient-practitioner relationship.

SING4072
Nursing Knowledge and Health Care

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Exam (50%), assignment (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will provide the student with an overview of the way in which society provides health care for its members. It will explore definitions of health and factors contributing to health and illness. The unit will examine the development and operation of the Singapore health care system, focusing particularly on the role of nursing. The unit will examine the development of nursing knowledge and the way research provides evidence for practice in health care and nursing.

SING4075
Integrated Diagnosis and Treatment

Credit points: 3 **Session:** Semester 1 **Classes:** SIM: Block mode **Assessment:** Presentation (25%), written assignment (25%), exam (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study will allow students to gain an understanding of the interrelationship of imaging and treatment paradigms for selected regions of the body and disease processes. The regions addressed will be selected from the central nervous system, the gastrointestinal tract, skeletal system, thyroid, breast, chest, pelvis and lymphatics. The processes discussed will be specific to a region.

SING4076
Radiographic Interpretation of Pathology

Credit points: 3 **Session:** Semester 1 **Classes:** SIM: Block mode **Assessment:** Presentation (20%), two written assignments (40% ea) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: For diagnostic radiography students only

This module will introduce the diagnostic radiographer to the radiographic interpretation of disease processes such as neoplasms, abnormalities of the respiratory system and central nervous system, emergency trauma radiology and congenital disorders, malformations and diseases in the paediatric patient.

SING4077
Imaging Applications in RT

Credit points: 3 **Session:** Semester 1 **Classes:** SIM: Block mode **Assessment:** Group presentation (20%), two written assignments (40% ea) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: For radiation therapy students only

This unit provides an introduction and understanding of the key role played by the various imaging modalities used in the diagnosis and treatment planning of malignant disease. These modalities include planar radiographs, CT, MRI, NM Imaging, PET, Ultrasound and Portal Imaging including EPI. The advantages of using each in the practice of radiation therapy will be addressed as well as their limitations.

SING4083
Evidence Based Practice

Credit points: 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Written report (40%), exam (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study provides students with the knowledge and skills needed to critically evaluate clinical epidemiology research; ie, research investigating treatment effectiveness, the utility of diagnostic tests and the causes and prognosis of disease. This knowledge and these skills can be used to improve clinical practice.

SING4084
Advanced Musculosketetal Physiotherapy

Credit points: 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Written assignment (50%), exam (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of musculoskeletal physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

SING4085
Advanced Cardiopulmonary Physiotherapy

Credit points: 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Two group exercises (30%), individual written assignment (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of cardiopulmonary physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student wil be asked to apply clinical reasoning skills to develop treatment strategies to address priorites.

SING4086
Advanced Neurological Physiotherapy

Credit points: 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Presentation (30%), written assignment (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of neurological physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

SING4087
Nursing and Health Assessment

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Exam (50%), assignment (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will examine aspects of nursing practice, with special emphasis on patient/client assessment and the planning of nursing care. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of clinical and social complexity. Students are expected to apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING4088
Nursing in Complex Clinical Situations

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Assignment (60%), interview (10%), assignment (30%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will examine aspects of nursing practice, with special emphasis on the pharmacological aspects of patient/client management. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of management and social complexity. Students may apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

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. **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.

20. 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 Research/Coursework Studies* handbook.

Research degrees

- Doctor of Philosophy
- Doctor of Health Science (*for continuing students only in 2009*)
- Master of Applied Science

For information on the research degrees offered by the Faculty of Health Sciences, please see Chapter 31.

Coursework programs

Faculty coursework degrees

- Graduate Certificate/Master of Health Sciences with streams in:
  Gerontology/Ageing
  Indigenous Community Health
  Occupational Therapy
  Orthoptics
  Speech Pathology
- Graduate Certificate/Master of Health Science (Developmental Disability)
- Graduate Certificate/Graduate Diploma/Master of Health Science (Sexual Health)

Behavioural and Social Sciences in Health

- Graduate Certificate/Graduate Diploma/Master of Health Science (Education)

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 (Sport Performance)
- Master of Exercise and Sport Science (Clinical Exercise Science)

Health Informatics

- Bachelor of Health Sciences/Master of Health Informatics (*not offered in 2009*)
- Master of Health Informatics
- Graduate Certificate/Master of Health Science (Clinical Data Management)

Medical Radiation Sciences

- Master of Diagnostic Radiography
- Master of Nuclear Medicine
- Master of Radiation Therapy
- Graduate Certificate/Graduate Diploma/Master of Health Science (Medical Radiation Sciences)
- Graduate Certificate/Graduate Diploma/Master of Health Science (Medical Sonography)

Occupational Therapy

- Master of Occupational Therapy

Orthoptics

- Bachelor of Health Sciences/Master of Clinical Vision Sciences
- Master of Orthoptics

Physiotherapy

- Master of Physiotherapy
- Master of Health Science (Physiotherapy)
  with streams in:
  Cardiopulmonary Physiotherapy
  Manipulative Physiotherapy
  Neurological Physiotherapy
  Paediatric Physiotherapy
  Sports Physiotherapy

Rehabilitation Counselling

- Bachelor of Health Sciences/Master of Rehabilitation Counselling
- Graduate Diploma/Master of Rehabilitation Counselling

Speech Pathology

- Graduate Diploma in Communication Disorders
- Master of Speech Language Pathology

Singapore Institute of Management

- Master of Health Science (Education)
- Master of Health Science (Management)

Further information on the coursework programs offered by the faculty is provided in the relevant chapters of the handbook.

Notes

1. *Units of study will only be offered where there is sufficient demand.*
2. *Unit of study choice for international students enrolled as full-time students on-campus may be constrained due to visa requirements for campus attendance.*
3. *International students may enrol part-time in distance mode if studying from their home country but visa restrictions preclude part-time study in on-campus mode.*

Faculty degrees

Graduate Certificate of Health Sciences
Master of Health Sciences

These courses allow students who have a background in the health professions and/or relevant disciplines or equivalent professional qualifications and work experience to develop discipline or cross discipline based knowledge and research skills so they can critically evaluate and integrate evidence based practice into their work across a range of health disciplines. These courses provide graduates with

the opportunity to extend their undergraduate education by providing them with flexible pathways (streams) for professional development. The opportunity for choice of units of study provides students with flexibility and enables them to select subjects relevant to their professional development needs, thus equipping students with the knowledge, understanding and expertise to work within the contemporary health care sector.

The courses are offered on a full-time or part-time basis. Some of the course requirements may be completed entirely off-campus, though not all units of study may be available in distance mode. While many of the units of study are available in Semesters 1 and 2 each year some units are only offered in one semester each year. Students should consult the individual unit of study descriptions. There is considerable flexibility in arrangements for on-campus study. An individual program of study may involve some combination of classes (usually in the evening), workshops, seminars, independent study, online web-based and/or contract learning.

For the Graduate Certificate, students must complete four units of study. Students are required to undertake at least two of the four specified generic core units of study and choose an additional two units from the range of six credit point graduate units offered in the Faculty of Health Sciences. Alternatively, students may choose to complete a specialist stream (please refer to requirement details for each stream later in this section) that will be certificated when the student graduates. Students will need to familiarise themselves with the semesters units are offered in and any prerequisites or assumed knowledge that may exist for units of study.

For the Masters, students must complete eight units of study. Students are required to undertake at least two of the four specified generic core units of study and choose an additional six units from the range of six credit point graduate units offered in the Faculty of Health Sciences. Alternatively, students may choose to complete a specialist stream (please refer to requirement details for each stream later in this section) that will be certificated when the student graduates. Students will need to familiarise themselves with the semesters units are offered in and any prerequisites or assumed knowledge that may exist for units of study.

Students who do not complete all requirements for the Master of Health Sciences may be able to exit with the award of Graduate Diploma of Health Sciences with successful completion of 36 credit points or with the award of Graduate Certificate of Health Sciences with successful completion of at least 24 credit points. Students who are not qualified to enrol in the masters degree may, upon approval of the course coordinator, be permitted to enrol in the Graduate Certificate. Conditional upon satisfactory performance, students may then be able to articulate to the Master of Health Sciences coursework program.

Admission requirements

In order to qualify for admission to either coursework program, applicants shall have:

1. a bachelor's degree in health science with satisfactory performance, or
2. a bachelor's degree in social, welfare or biological sciences, with satisfactory performance, or
3. a bachelor's degree in a health profession with satisfactory performance, or
4. other general and professional qualifications and/or experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies and satisfy such additional requirements for admission to the program, as may be prescribed by the faculty.

Applicants should check each stream for details of any additional specific entry requirements.

Honours

Candidates with a 65 per cent pass or better in all units of study, including a 75 per cent pass or better in at least two units of study, may apply to complete the additional honours requirement of a dissertation. Students should check the requirements of the specific streams for entry to the honours degree.

Course outline

The course outlines for the generic Graduate Certificate of Health Sciences and the Master of Health Sciences are presented in Tables 20.1 and 20.2. The course outlines for the degrees with a Gerontology stream are shown in Tables 20.3 and 20.4; for Indigenous Health, see Tables 20.5 and 20.6; for Occupational Therapy, see Tables 20.7 and 20.8; for the Orthoptics stream, see Tables 20.9 and 20.10; and for the Speech Pathology, see Tables 20.11 and 20.12. The honours degree, common to all streams, is outlined in Table 20.13.

Unit descriptions and a list of faculty electives are found in Chapter 32.

The generalist stream

Graduate Certificate of Health Sciences

For the award of the Graduate Certificate of Health Sciences, students must complete four units of study. Students are required to undertake at least two of the four specified generic core units of study and choose an additional two units from the range of six credit point graduate units offered in the Faculty of Health Sciences.

Master of Health Sciences

Master's students must complete eight units of study. Students are required to undertake at least two of the four specified generic core units of study and choose an additional six units from the range of six credit point graduate units offered in the Faculty of Health Sciences.

Honours

Articulation into the Master of Health Sciences (Honours) is contingent upon the student achieving an overall credit average and distinctions in at least two units of study in the Master of Health Sciences pass course. Students wanting to articulate into the honours program should contact the course coordinator during their last semester of candidature in the Master of Health Sciences course.

Course outline

The course outlines for the Graduate Certificate and the Master of Health Sciences are presented in Tables 20.1 and 20.2. The course outline for the honours degree is shown in Table 20.13. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.1: Graduate Certificate of Health Sciences

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG034: Credit points for award: 24			
The generalist stream comprises the following:			
At least two of the following generic core units of study:			
BACH5186 Professional Development Skills	6		Semester 1 Semester 2
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 Health Care Systems	6		Semester 1 Semester 2
PHTY5190 Evidence-Based Decision Making	6		Semester 1
At least one (maximum two) electives offered by the Faculty of Health Sciences. See Chapter 32 for unit descriptions.			
TOTAL: 24 CREDIT POINTS			

Table 20.2: Master of Health Sciences

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for award: 48			
The generalist stream comprises the following:			
At least two of the following generic core units of study:			
BACH5186 Professional Development Skills	6		Semester 1 Semester 2
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 Health Care Systems	6		Semester 1 Semester 2
PHTY5190 Evidence-Based Decision Making	6		Semester 1
At least four (maximum six) electives offered by the Faculty of Health Sciences. See Chapter 32 for unit descriptions.			
TOTAL: 48 CREDIT POINTS			

The Gerontology stream

The Gerontology stream offers professional development for practitioners whose work requires understanding of individual and population ageing. Graduates are equipped to occupy senior positions in management, policy, planning, education, research, clinical or other service delivery settings. The stream comprises four foundation units of study (Ageing and Society, Psychology of Ageing, Ageing, Biology and Health, Contemporary Issues in Gerontology) that introduce students to the multidisciplinary underpinnings of gerontology and a range of specialist electives.

Graduate Certificate of Health Sciences, Gerontology stream

A Graduate Certificate with a Gerontology stream requires students to complete at least two Gerontology units of study and at least one (maximum two) generic core units, as outlined in Table 20.3.

Master of Health Sciences, Gerontology stream

A Master of Health Sciences with a Gerontology stream requires students to complete at least four (maximum six) Gerontology units of study and at least two (maximum four) generic core units, as outlined in Table 20.4.

Honours

Articulation into the Master of Health Sciences (Honours) with a Gerontology stream is contingent upon the student achieving an overall credit average and distinctions in at least two specialist Gerontology units of study in the Master of Health Sciences pass course. The dissertion component must be completed on a topic area of direct relevance to gerontology.

Course outline

The course outlines for the Graduate Certificate and the Master of Health Sciences with a Gerontology stream are presented in Tables 20.3 and 20.4. The course outline for the honours degree is shown in Table 20.13. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.3: Graduate Certificate of Health Sciences with a Gerontology stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG034: Credit points for the award: 24			
The Gerontology stream comprises the following:			
Two core Gerontology units of study:			
BACH5027 **Mental Health in Later Life**	6		Semester 1 Semester 2
BACH5343 **Ageing and Society**	6	**N** BACH5041	Semester 1
One generic core unit of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
One elective from either the specialist Gerontology electives or the generic core units of study listed below:			
Specialist Gerontology units of study			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
BACH5036 **Community Aged Care**	6		Semester 1
BACH5147 **Psychology of Ageing**	6		Semester 2
BIOS5041 **Ageing, Biology and Health**	6		Semester 2
BIOS5079 **Sexuality and Ageing**	6	**N** BIOS5078 Basics of Sexuality in Ageing *This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults. Those who deal with older adults as part of the professional practice would be advised to enroll in BIOS5078 Basics of Sexuality and Ageing. Students are advised that they should select EITHER BIOS5078 Basics of Sexuality in Ageing (3 cr pts) OR BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 2
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
OCCP5187 **Falls Prevention With Older People**	6	*Available to MOT students*	Semester 1
Generic core units of study			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
TOTAL: 24 CREDIT POINTS			

Table 20.4: Master of Health Sciences with a Gerontology stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for the award: 48			
The Gerontology stream comprises the following:			
Four core Gerontology units of study:			
BACH5027 **Mental Health in Later Life**	6		Semester 1 Semester 2
BACH5147 **Psychology of Ageing**	6		Semester 2
BACH5343 **Ageing and Society**	6	**N** BACH5041	Semester 1
BIOS5041 **Ageing, Biology and Health**	6		Semester 2
The following generic core unit of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
One of the following generic core units of study:			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
Two of the following Gerontology electives:			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
BACH5036 **Community Aged Care**	6		Semester 1
BIOS5079 **Sexuality and Ageing**	6	**N** BIOS5078 Basics of Sexuality in Ageing *This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults. Those who deal with older adults as part of the professional practice would be advised to enroll in BIOS5078 Basics of Sexuality and Ageing. Students are advised that they should select EITHER BIOS5078 Basics of Sexuality in Ageing (3 cr pts) OR BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 2
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
OCCP5187 **Falls Prevention With Older People**	6	*Available to MOT students*	Semester 1
TOTAL: 48 CREDIT POINTS			

The Indigenous Health stream

No new intake in 2009

The graduate courses in the Indigenous Health stream aims to provide those currently working, or intending to work, in the field of Indigenous health with core knowledge and skills appropriate to maintaining health, preventing diseases and promoting the well-being of Indigenous people. The course focuses on the health needs of Indigenous people and their communities and is delivered in distance and block mode. (Block mode subject to sufficient numbers.)

Stream entry requirements

Applicants for either the Graduate Certificate or Master of Health Sciences should possess the following:

- Completed degree in health science or other relevant areas, or
- evidence of equivalent professional qualification, and/or
- experience to demonstrate the capacity to pursue graduate studies, and
- a minimum of two years work experience in areas of health and related fields.

Graduate Certificate of Health Sciences, Indigenous Health stream

This course will provide students with the relevant core skills and attributes that are required for work in the context of Indigenous health. Students must undertake four units of study. These are two generic core units and two core specialist units of study from the Indigenous Health stream.

Master of Health Sciences, Indigenous Health stream

This course enables students to apply theory to practice in Indigenous health settings and develop advanced knowledge, skills in the field. Students must undertake units of study in health promotion and primary health care in Indigenous contexts, as well as units that focus on community development and contemporary issues in the field.

Honours

Candidates in the MHlthSci who have achieved a 65 per cent credit average or better in all units of study and a 75 per cent Distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issues 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. An honours candidate will be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed.

The dissertation will be deemed to be worth 12 credit points and will normally be completed within one semester.

Course outline

To achieve the Indigenous Health stream, the student must successfully complete all core units of study identified for the stream as shown in the Tables 20.5 and 20.6. The course outline for the honours degree is shown in Table 20.13. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.5: Graduate Certificate of Health Sciences with an Indigenous Health stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG034: Credit points for the award: 24			
The Indigenous Health stream comprises the following:			
Two core Indigenous Health units of study:			
AHCD5052 **Indigenous Community Health**	6		Semester 1 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
AHCD5054 **Indigenous Health: Research & Evaluation** *This unit of study is not available in 2009*	6		Semester 1 Semester 2
Two generic core units of study:			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
TOTAL: 24 CREDIT POINTS			

Table 20.6: Master of Health Sciences with an Indigenous Health stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for the award: 48			
The Indigenous Health stream comprises the following:			
Two core Indigenous Health units of study:			
AHCD5052 **Indigenous Community Health**	6		Semester 1 Semester 2
AHCD5054 **Indigenous Health: Research & Evaluation** *This unit of study is not available in 2009*	6		Semester 1 Semester 2
The following two generic core units of study:			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
The following Indigenous Health electives:			
AHCD5039 **Health Promotion**	6		Semester 1 Semester 2
AHCD5060 **Community Development B** *This unit of study is not available in 2009*	6		Semester 1 Semester 2
AHCD5070 **Indigenous Primary Health Care** *This unit of study is not available in 2009*	6		Semester 2
AHCD5071 **Contemporary Issues in Indigenous Health** *This unit of study is not available in 2009*	6		Semester 2
TOTAL: 48 CREDIT POINTS			

The Occupational Therapy stream

Graduate Certificate of Health Sciences with an Occupational Therapy stream

The Graduate Certificate of Health Sciences with an Occupational Therapy stream is designed to provide specific professional development for occupational therapists who wish to extend their knowledge, skills and attitudes as practitioners, teachers and learners.

The occupational therapy stream of the Graduate Certificate in Health Sciences consists of four specialisations:

1. Generalist
2. Environment and Access
3. Gerontology
4. Paediatrics

Stream entry requirements

Applicants for the Gerontology, Paediatric and Generalist specialisations will need to possess a bachelor's degree in occupational therapy or equivalent.

Applicants for the Environment and Access specialisation will need to possess a bachelor's degree in a related area.

Note:
Unit availability will vary according to the semester of enrolment.

All units are 6 credit points unless specified.

Course outline

The course outline for the Graduate Certificate of Health Sciences with a Occupational Therapy stream is presented in Tables 20.7.1. The outline for the GradCertHlthSci with an Occupational Therapy stream and a Environment and Access specialisation is found in Table 20.7.2; for the Gerontology specialisation, Table 20.7.3; and for the Paediatrics specialisation, Table 20.7.4. Unit descriptions and a list of faculty electives are found in Chapter 32.

Specialisations within the Occupational Therapy stream of the Graduate Certificate of Health Sciences

Table 20.7.1: Occupational Therapy: generalist specialisation

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG034: Credit points for award: 24			
The generalist specialisation of the Occupational Therapy stream comprises the following:			
At least one of the following core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
At least one (maximum two) of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
At least one (maximum two) of the occupational therapy specialist electives:			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
OCCP5189 **Consultation: The Other Service Delivery** *This unit of study is not available in 2009*	6	*Note: Department permission required for enrolment*	Semester 2
Other Occupational Therapy specialist units or electives.			
TOTAL: 24 CREDIT POINTS			

Table 20.7.2: Occupational Therapy: Environment and Access specialisation

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG034: Credit points for award: 24			
The Environment and Access specialisation of the Occupational Therapy stream comprises the following:			
At least one of the following core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
At least one (maximum two) of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
At least one (maximum two) of the following specialist electives:			
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Note			
OCCP5051 and OCCP5053 are scheduled to be offered in 2010 and alternate years.			

Table 20.7.3: Occupational Therapy: Gerontology specialisation

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SG034: Credit points for award: 24			
The Gerentology specialisation of the Occupational Therapy stream comprises the following:			
At least one of the following core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
At least one (maximum two) of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
At least one (maximum two) of the following specialist electives:			
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
OCCP5187 **Falls Prevention With Older People**	6	*Available to MOT students*	Semester 1
OCCP5189 **Consultation: The Other Service Delivery** *This unit of study is not available in 2009*	6	*Note: Department permission required for enrolment*	Semester 2
TOTAL: 24 CREDIT POINTS			

Table 20.7.4: Occupational Therapy: Paediatrics specialisation

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SG034: Credit points for award: 24			
The Paediatrics specialisation of the Occupational Therapy stream comprises the following:			
At least one of the following core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
At least one (maximum two) of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
At least 6 credits (maximum 12) of the following specialist electives:			
OCCP5191 **Assessing Play: ToP to TOES**	3	**A** Moderate knowledge of normal child development *Available to MOT students*	Semester 2
OCCP5199 **Using Water to Promote Participation**	6	*Open to MOT students*	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
OCCP5226 **Assessing & Promoting Play with Children**	3	**A** Knowledge of child development *Note: Department permission required for enrolment*	Semester 2
TOTAL: 24 CREDIT POINTS			
Note			
Units offered may vary from year to year.			

Master of Health Sciences with an Occupational Therapy stream

The Master of Health Sciences with an Occupational therapy stream is designed to provide advanced study in occupational therapy and related topics to prepare graduate students to lead practice through knowledge and actions.

The occupational therapy stream of the Master of Health Sciences consists of four specialisations:

1. Generalist
2. Environment and Access
3. Gerontology
4. Paediatrics

Note:
All units are 6 credit points unless specified. Unit availability will vary according to the semester of enrolment.

Additional specialty areas will be offered from time to time.

The Environment and Access speciality units of study will only be available in alternate years. Part time applicants can undertake core units in the other alternate years.

Stream entry prerequisite

Applicants for the Generalist, Gerontology and Paediatric specialisations will need to possess a bachelor's degree in occupational therapy or equivalent.

Applicants for the Environment and Access specialisation will need to possess a bachelor's degree in a related area.

Honours

Candidates in the MHlthSci who have achieved a 65 per cent credit average or better in all units of study and a 75 per cent Distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issues 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. The dissertation will be deemed to be worth 12 credit points and will normally be completed in one semester.

Course outline

The course outline for the Master of Health Sciences with a Occupational Therapy stream is presented in Tables 20.8.1. The outline for the MHlthSci with an Occupational Therapy stream and a Environment and Access specialisation is found in Table 20.8.2; for the Gerontology specialisation, Table 20.8.3; and for the Paediatrics specialisation, Table 20.8.4. The course outline for the honours degree is shown in Table 20.13. Unit descriptions and a list of faculty electives are found in Chapter 32.

Specialisations within the Occupational Therapy stream of the Master of Health Sciences

Table 20.8.1: Occupational Therapy: generalist specialisation

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for award: 48			
The generalist specialisation of the Occupational Therapy stream comprises the following:			
Two core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
Two of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
Four of the following specialist electives:			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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 instructor **C** OCCP5144 Driving Assessment and Training B *Note: Department permission required for enrolment* *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*	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 instructor **C** OCCP5143 Driving Assessment and Training A *Note: Department permission required for enrolment* *Deapartment 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*	Semester 1 Semester 2
OCCP5189 **Consultation: The Other Service Delivery** *This unit of study is not available in 2009*	6	*Note: Department permission required for enrolment*	Semester 2
Any of the Occupational Therapy speciality units or electives: see other specialisations.			
Any of the other generic postgraduate units of faculty electives. See Chapter 32 for unit descriptions and a list of faculty electives.			
TOTAL: 48 CREDIT POINTS			

Table 20.8.2: Occupational Therapy: Environment and Access specialisation

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for award: 48			
The Environment and Access specialisation of the Occupational Therapy stream comprises the following:			
The two core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
Two of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
Two specialist units of study:			
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
OCCP5234 **Computer Access & Environmental Control**	6		Semester 2
Two of the following specialist electives:			
OCCP5189 **Consultation: The Other Service Delivery** *This unit of study is not available in 2009*	6	*Note: Department permission required for enrolment*	Semester 2
OCCP5206 **Specialist Intervention**	6	*Note: Department permission required for enrolment* *Open to MOT students*	Semester 1 Semester 2
One Occupational Therapy speciality unit			
TOTAL: 48 CREDIT POINTS			
Note			
OCCP5051 and OCCP5053 are scheduled to be offered in 2010 and alternate years.			

Table 20.8.3: Occupational Therapy: Gerontology specialisation

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for award: 48			
The Gerentology specialisation of the Occupational Therapy stream comprises the following:			
The two following core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
Two of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
Two specialist units of study:			
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
OCCP5187 **Falls Prevention With Older People**	6	*Available to MOT students*	Semester 1
Two of the following electives:			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
BACH5147 **Psychology of Ageing**	6		Semester 2
BACH5343 **Ageing and Society**	6	**N** BACH5041	Semester 1
BIOS5041 **Ageing, Biology and Health**	6		Semester 2
OCCP5189 **Consultation: The Other Service Delivery** *This unit of study is not available in 2009*	6	*Note: Department permission required for enrolment*	Semester 2
TOTAL: 48 CREDIT POINTS			

Table 20.8.4: Occupational Therapy: Paediatrics specialisation

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for award: 48			
The Paediatric specialisation of the Occupational Therapy stream comprises the following:			
The two following core Occupational Therapy units of study:			
OCCP5186 **Theory in Occupational Therapy**	6		Semester 1
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
Two of the following generic core units of study:			
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
At least 12 credit points of the following specialist units of study:			
OCCP5191 **Assessing Play: ToP to TOES**	3	**A** Moderate knowledge of normal child development *Available to MOT students*	Semester 2
OCCP5199 **Using Water to Promote Participation**	6	*Open to MOT students*	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
OCCP5225 **Sensory Processing: Theory to Practice**	6	**A** Some paediatric experience preferred	Semester 2
OCCP5226 **Assessing & Promoting Play with Children**	3	**A** Knowledge of child development *Note: Department permission required for enrolment*	Semester 2
OCCP5233 **Child & Adolescent Mental Health in OT**	6	**A** Knowledge of child and adolescent development	Semester 1
A maximum of 12 credit points of elective units of study:			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
OCCP5189 **Consultation: The Other Service Delivery** *This unit of study is not available in 2009*	6	*Note: Department permission required for enrolment*	Semester 2
See also the Paediatric specialist units of study above.			
TOTAL: 48 CREDIT POINTS			

The Orthoptics stream

The graduate courses in the Orthoptics stream aims to provide professional and academic development for practitioners currently working in the field of orthoptics. It will enhance the knowledge and skills in areas of specialist practice, some of which require certification to enable practice. To complete the award with an Orthoptics stream, the student must successfully complete the relevant unit(s) of study as outlined in the tables below. The course will focus on developing personal learning skills through independent learning and research based teaching methods. It will be delivered in mixed modes of face to face learning, distance WebCT and practical exposure. It can be studied either in a full or part-time mode.

Three courses are offered: a Graduate Certificate, a Master's and a Master's with honours. Students can articulate between the Graduate Certificate and Master's and need to complete course requirements as identified below.

Graduate Certificate of Health Sciences, Orthoptics stream

Students are required to complete 4 units of study (6 credit points each unit). Two of the units will be core units as determined by the faculty. Two of the units are speciality orthoptic areas.

Master of Health Sciences, Orthoptics stream

For the award of the Master of Health Sciences, Orthoptics stream, students are required to complete 8 units of study (6 credit points each unit). Two of the units will be core units as determined by the Faculty. Six of the units are speciality areas.

Honours

Candidates in the MHlthSci who have achieved a 65 per cent credit average or better in all units of study and a 75 per cent Distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issues 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. The dissertation will be deemed to be worth 12 credit points and will normally be completed in one semester.

Course outline

The course outlines for the Graduate Certificate of Health Sciences and the Master of Health Sciences with an Orthoptics stream are presented in Tables 20.9 and 20.10. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.9: Graduate Certificate of Health Sciences with an Orthoptics stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG034: Credit points for the award: 24			
The Orthoptics stream comprises the following:			
Two core Orthoptics units of study:			
ORTH5054 **Refraction Practice**	6		Semester 1
ORTH5055 **Peri Operative Practice**	6		Semester 1
Two generic core units of study:			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
TOTAL: 24 CREDIT POINTS			

Table 20.10: Master of Health Sciences with an Orthoptics stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for the award: 48			
The Orthoptics stream comprises the following:			
Two core Orthoptics units of study:			
ORTH5054 **Refraction Practice**	6		Semester 1
ORTH5055 **Peri Operative Practice**	6		Semester 1
Two generic core units of study:			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
Four specialist units of study:			
ORTH5056 **Vision and Driving**	6	**P** Qualification that enables registration with the Australian Orthoptic Board *Completion of this unit will enable official notification to the licensing authority in the state where the participant practices*	Semester 2
ORTH5057 **Advanced Ocular Motility**	6	**P** Qualification that enables registration with the Australian Orthoptic Board	Semester 2
ORTH5058 **Vision Impairment**	6		Semester 2
ORTH5059 **Current Issues in Ophthalmology**	6		Semester 2
TOTAL: 48 CREDIT POINTS			

The Speech Pathology stream

The Graduate Certificate and Master's degree with a speech pathology stream are designed for qualified speech pathologists who want to further their studies through postgraduate coursework. This stream is ideal for clinicians who wish to gain an advanced qualification within the field in which they are currently practising, but do not want to do research at this time. Intending students should note that units are offered as either face-to-face learning or by online learning mode.

The course is available to international students by distance education only

Three courses are offered: a Graduate Certificate, a Master's and a Master's with honours. Students can articulate between the Graduate Certificate and Master's and need to complete course requirements as identified below.

Stream entry requirements

In addition to the standard entry requirements for the Masters of Health Science, you will need to have:

- a degree in Speech Pathology from an appropriately recognised University, and
- worked as a speech pathologist in the last 5 years.

Graduate Certificate of Health Sciences, Speech Pathology stream

Students are required to complete 4 units of study (6 credit points each unit).

Master of Health Sciences, Speech Pathology stream

For the award of the Master of Health Sciences with a speech pathology stream, students are required to complete 48 credit points of study.

Professional recognition

The Graduate Certificate or the master of Health Sciences with a speech pathology stream does NOT qualify students to work as a speech pathologist. Graduates wishing to gain a professional qualification should enrol in the Master of Speech Language Pathology (see Chapter 29 for details).

Honours

Candidates in the MHlthSci who have achieved a 65 per cent credit average or better in all units of study and a 75 per cent Distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issues 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. The dissertation will be deemed to be worth 12 credit points and will normally be completed in one semester.

Course outline

The course outlines for the Graduate Certificate of Health Sciences and the Master of Health Sciences with a speech pathology stream are presented in Tables 20.11 and 20.12. The course outline for the honours degree is shown in Table 20.13. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.11: Graduate Certificate of Health Sciences with a Speech Pathology stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG034: Credit points for the award: 24			
The Speech Pathology stream comprises the following:			
Two core Speech Pathology units of study:			
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 *Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.*	Semester 2
CSCD5055 **Leadership in Speech Pathology**	6	**A** Degree in Speech Pathology, employment as a speech pathologist for at least 6 months in the last 5 years	Semester 1
Two generic core units of study:			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
TOTAL: 24 CREDIT POINTS			

Table 20.12: Master of Health Sciences with a Speech Pathology stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC144: Credit points for the award: 48			
The Speech Pathology stream comprises the following:			
Two core Speech Pathology units of study:			
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 *Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.*	Semester 2
CSCD5055 **Leadership in Speech Pathology**	6	**A** Degree in Speech Pathology, employment as a speech pathologist for at least 6 months in the last 5 years	Semester 1
The following two generic core units of study:			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
At least 12 credit points from the following Speech Pathology electives:			
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	Semester 1 Semester 2
CSCD5051 **Trends in Speech-Language Pathology**	12	**P** CSCD5050 Scholarship in Speech-Language Pathology or BACH5341 Research and Inquiry in Health Professions	Semester 2
CSCD5052 **Clinical Review in Speech-Lang Pathology**	12	**P** CSCD5050 Scholarship in Speech-Language Pathology or BACH 5341 Research & Inquiry in Health Professions, CSCD5051 Trends in Speech-Language Pathology *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
GSDD5001 **Critical Issues-Developmental Disability**	6		Semester 1
GSDD5004 **Multidisciplinary-Collaborative Practice**	6		Semester 1
GSDD5007 **Communication & Developmental Disability** *This unit of study is not available in 2009*	6		Semester 1
GSDD5011 **Autism Spectrum Disorders**	6		Semester 2
GSDD5019 **Literacy - Developmental Disability** *This unit of study is not available in 2009*	6		Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Up to 12 credit points from any postgraduate health units			
Students may choose an extra 12 credit points from the speech pathology electives or from other units offered in any health faculty at the University of Sydney. These electives could come from diverse areas or may form a minor specialisation in (for example) Health Promotion, Indigenous Health or Clinical Education. Students interested in honours should consider including 12 credit points of additional research methods units after obtaining advice from the program coordinator.			
TOTAL: 48 CREDIT POINTS			

Table 20.13: Master of Health Sciences (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC145: Credit points for award: 60			
Off-campus: full-time, 3 semesters; part-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2 (one semester)			
HSGS5001 **Research Dissertation**	12		Semester 1 Semester 2
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3 (one semester)			
HSGS5001 **Research Dissertation**	12		Semester 1 Semester 2
The dissertation will normally be completed in the semester immediately following completion of all the coursework requirements.			

Graduate Studies in Developmental Disability

The graduate programs in Developmental Disability provide flexible multi-disciplinary education for professionals in the rapidly developing field of developmental disabilities. The program, unique in Australia, is a joint initiative of the Centre for Developmental Disability Studies and the Faculty of Health Sciences. Developed and presented by a multidisciplinary team of developmental disability researchers and practitioners, the program offers students the opportunity to:

- consider issues facing people with developmental disability, their families and carers from a scholarly perspective
- challenge their own discipline and contribute to multidisciplinary practice which affords respect to individuals with developmental disability, their families, advocates and carers
- learn together with students from a range of disciplines keen to advance their knowledge and skills to provide intellectual leadership to the field
- develop specialist skills underpinned by theory, scholarship and research in the field of developmental disabilities
- gain a postgraduate credential indicating a specialisation in the developmental disability field.

It is expected that intending students will be competent practitioners in their chosen professions. The program welcomes medical, nursing, dental, allied health, social work, behavioural science, educational and other professionals interested in extending their professional development to respond to the leadership challenges of this sector.

The program is not intended to be profession specific, rather it is premised on interdisciplinary and multidisciplinary approaches to educating specialists in the social, community, health, educational and personal care and support needs of people with developmental disabilities and their families. This course aims to provide postgraduate professional development for the diverse range of professionals who have chosen to develop specialised expertise in understanding and addressing the diverse needs and interests of people with developmental disabilities and their families. The course supports the development of the highest standards of academic and clinical skills through an emphasis on systematic research, critique and analysis of theoretical, social, contextual, policy and practice frameworks and methodologies.

The core unit of study, GSDD5001 Critical Issues Development Disability, is compulsory for all students, and normally taken in the first semester of enrolment. Credit transfer is not usually available for this core unit: exceptional circumstances only will be considered. Progression in the course beyond first semester is conditional on satisfactory completion of this unit.

Graduate Certificate of Health Science (Developmental Disability)

This course is designed to provide the opportunity for practitioners from a range of medical, nursing, dental, allied health, social work, behavioural science, educational and other professions to gain a graduate credential in the developmental disability field within the

framework and principles of adult and independent learning. The core unit of study is conducted by distance education (off-campus) and online.

There is a choice of off-campus units of study as well as on-campus units. It is possible to complete the entire program at a distance according to your professional and educational needs and interests.

Admission requirements

- A bachelor's degree in an area of occupational relevance, such as health sciences, medicine, dentistry, nursing, welfare, law, psychology, education, social or biomedical sciences, or
- overseas qualifications acceptable to the faculty, or
- other general and professional qualifications and/or experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirement for admission to the program as may be prescribed by the Faculty.

Students will be expected to use electronic information systems; access to a computer with internet connection is essential for participation.

Course outline

The compulsory core unit, GSDD5001 Critical Issues-Developmental Disability, will ordinarily be undertaken in Semester 1 along with the required number of units from the Developmental Disability studies stream.

The course outline for the Graduate Certificate of Health Science (Developmental Disability) course is presented in Table 20.14. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.14: Graduate Certificate of Health Science (Developmental Disability)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG028: Credit points for award: 24			
Off-campus: full-time, 1 semester; part-time, 2 semesters			
Full-time mode			
Semester 1			
GSDD5001 Critical Issues-Developmental Disability	6		Semester 1
Two Developmental Disability studies stream electives [12] (see note 2)			
Elective [6] (see note 3)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Semester 1			
GSDD5001 Critical Issues-Developmental Disability	6		Semester 1
Developmental Disability studies stream elective [6] (see note 2)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Developmental Disability studies stream elective [6] (see note 2)			
Elective [6] (see note 3)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Notes			
1. GSDD5001 Critical Issues in Developmental Disability must be taken in the first semester of enrolment.			
2. Choose electives totalling a minimum of 12 credit points from the Developmental Disability Studies stream units (see elective list below Table 20.15.1.).			
3. Choose electives up to 6 credit points, relevant to specialisation, from across the Faculty or University.			

Master of Health Science (Developmental Disability) Pass and Honours

These programs are designed for medical, nursing, dental, allied health, social work, behavioural science, educational and other professionals to develop, at an advanced level, the ability to challenge their own discipline and contribute to multi-disciplinary practice which affords respect to individuals with developmental disability, their families, advocates and carers and to become leaders in the field of developmental disability able to consider issues from a scholarly perspective. The core unit of study is conducted by distance education (off-campus) and online. There is a choice of off-campus units of study as well as on-campus units. It is possible to complete the entire program at a distance according to your professional and educational needs and interests.

Admission requirements

- A bachelor's degree in an area of occupational relevance such as health sciences, medicine, dentistry, nursing, welfare, law, psychology, social or biomedical sciences, or
- overseas qualifications acceptable to the faculty, or
- other general and professional qualifications and/or experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirement for admission to the program as may be prescribed by the faculty.

Students will be expected to use electronic information systems; access to a computer with internet connection is essential for participation.

Honours

Students in the master's program who have achieved 65 per cent (Credit) or better in all units of study and 75 per cent (Distinction) or better in at least two units of study may be invited to complete the additional honours requirements of a dissertation. 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.

An honours candidate will normally be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 12 credit points and will normally be completed within one semester.

Course outline

The core unit GSDD5001 Critical Issues – Developmental Disability, plus at least two units from the Developmental Disability studies stream will ordinarily be undertaken in the first semester. The course outlines for the Master of Health Science (Developmental Disability) pass and honours are presented in Tables 20.15 and 20.15.1. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.15: Master of Health Science (Developmental Disability) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC107: Credit points for award: 48			
Off-campus: full-time, 2 semesters; part-time, 4 semesters			
Full-time mode			
Semester 1			
GSDD5001 Critical Issues-Developmental Disability	6		Semester 1
Two Developmental Disability studies stream electives [12] (see note 2)			
Elective [6] (see note 3)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Two Developmental Disability studies stream electives [12] (see note 2)			
Electives [12] (see note 3)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
GSDD5001 Critical Issues-Developmental Disability	6		Semester 1
Developmental Disability studies stream elective [6] (see note 2)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Developmental Disability studies stream elective [6] (see note 2)			
Elective [6] (see note 3)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
Developmental Disability studies stream elective [6] (see note 2)			
Elective [6] (see note 3)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Developmental Disability studies stream elective [6] (see note 2)			
Elective [6] (see note 3)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Notes			
1. GSDD5001 Critical Issues in Developmental Disability must be taken in the first semester of enrolment.			
2. Choose electives totalling a minimum of 24 credit points from the Developmental Disability Studies stream units (see elective list below Table 20.15.1).			
3. Choose electives up to 18 credit points, relevant to specialisation, from across the Faculty or University.			

Table 20.15.1: Master of Health Science (Developmental Disability) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC111: Credit points for award: 60			
Off-campus: full-time, 3 semester; part-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2 (one semester)			
GSDD5009 Dissertation	12		Semester 1 Semester 2
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3 (one semester)			
GSDD5009 Dissertation	12		Semester 1 Semester 2
The dissertation will normally be completed in the semester immediately following completion of all the coursework.			

Electives for Graduate Studies in Developmental Disability

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Electives			
Units of study will vary from year to year and will generally be available every second year. Please contact Ms Lata Britto on +61 2 9351 9238 (l.britto@usyd.edu.au) or visit www.fhs.usyd.edu.au/disabilityinitiative for details of units of study currently on offer and available on enrolment.			
Semester 1			
GSDD5004 Multidisciplinary-Collaborative Practice	6		Semester 1
GSDD5012 Positive Behaviour Support:Promoting QOL	6		Semester 1
Semester 2			
GSDD5011 Autism Spectrum Disorders	6		Semester 2
GSDD5018 Mental Health - Developmental Disability	6		Semester 2
Semester 1 or 2			
GSDD5006 Inquiry Topic	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
Note			
Electives can be taken from any currently offered across The University of Sydney or at other Universities. Typically elective units will be taken from those currently on offer within the Faculty of Health Sciences (see Chapter 32), the Faculty of Medicine including Dentistry and Nursing and the Faculty of Education and Social Work. Selection of elective units must be done in consultation with the program coordinator and approved by the head of the academic unit(s) in which the units of study are offered.			
Electives – 2010			
The following electives may be available in 2010:			
Semester 1			
GSDD5007 Communication & Developmental Disability *This unit of study is not available in 2009*	6		Semester 1
GSDD5013 Community Living *This unit of study is not available in 2009*	6		Semester 1
GSDD5014 Parenting with Developmental Disability *This unit of study is not available in 2009*	6		Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Semester 2			
GSDD5015 **Physical Health-Developmental Disability** *This unit of study is not available in 2009*	6		Semester 2
GSDD5016 **Sexuality and Developmental Disability** *This unit of study is not available in 2009*	6	**A** Knowledge of the structure and function of male and female genitalia and the sexual response cycle; knowledge of and/or experience with people with developmental disability.	Semester 2
GSDD5019 **Literacy - Developmental Disability** *This unit of study is not available in 2009*	6		Semester 2

Graduate Studies in Sexual Health

Program website: www.usyd.edu.au/sexualhealth

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 WebCT (internet-based) delivery platform. The program is offered in both distance and on-campus delivery modes.

This program provides an internationally relevant, multi-disciplinary 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.

In addition, non-award enrolment is available. Non-award students who successfully complete a unit of study will receive a certificate of completion. Students enrolling for the award programs within five years of completion of a non-award unit will receive credit for that unit of study.

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 20.16. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.16: Graduate Certificate of Health Science (Sexual Health)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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 Semester 2
BIOS5070 Communication Skills in Sexual Health	6		Semester 1 Semester 2
Sexual Health electives [12] (see list below Table 20.15)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1 Semester 2
BIOS5070 Communication Skills in Sexual Health	6		Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Sexual Health electives [12] (see list below Table 20.15)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Graduate Diploma of Health Science (Sexual Health)

The diploma provides a multi-disciplinary 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.
- Other experience or qualifications that provide a sound basis for professional development in the field of sexual health.

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
- BIOS5067 Sexual Health Placement and Supervision

The course outline for the Graduate Diploma of Health Science (Sexual Health) is presented in Table 20.17. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.17: Graduate Diploma of Health Science (Sexual Health)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
BIOS5070 Communication Skills in Sexual Health	6		Semester 1 Semester 2
Sexual Health elective [6] (see list below Table 20.15)			
SEMESTER 1 TOTAL: 18 CREDIT POINTS			
Semester 2			
BIOS5067 Sexual Health Placement and Supervision	6	*Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in Semester 1) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health*	Semester 1 Semester 2
Sexual Health elective [12] (see list below Table 20.15)			
SEMESTER 2 TOTAL: 18 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
BIOS5069 Introduction to Sexual Health	6		Semester 1 Semester 2
BIOS5070 Communication Skills in Sexual Health	6		Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Sexual Health electives [12] (see list below Table 20.15)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
BIOS5067 Sexual Health Placement and Supervision	6	*Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in Semester 1) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health*	Semester 1 Semester 2
Sexual Health elective [6] (see list below Table 20.15)			
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 one 2 week on-campus, face-to-face session during the Summer (January-February) session. There will also be a 6-week clinical placement.

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 be credited.

Admission requirements

- A bachelor's degree or equivalent qualification, in a relevant area, or
- a Diploma in Sexual Health Counselling, or
- other experience or qualifications that provide a sound basis for professional development in the field of sexual health.

Course outline

Core units of study for 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

The course outline for the Master of Health Science (Sexual Health) is presented in Table 20.18. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 20.18: 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 Semester 2
BIOS5070 **Communication Skills in Sexual Health**	6		Semester 1 Semester 2
BIOS5075 **Managing Sexual Dysfunctions**	6	**N** BIOS5074 Exploring Sexual Function & Dysfunction *This unit is appropriate for student who are directly involved in the diagnosis and management of sexual dysfunctions. The 3 credit point unit BIOS5074 Exploring Sexual Function & Dysfunction is more appropriate for those who deal with sexual issues at a more general level in their professional practice. Students are advised that they should select EITHER this unit of study OR BIOS5074 Exploring Sexual Function & Dysfunction (3 credits). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 1
Sexual Health elective [6] (see list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS5067 **Sexual Health Placement and Supervision**	6	*Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in Semester 1) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health*	Semester 1 Semester 2
BIOS5087 **Sexual Counselling Practicum**	6		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 Semester 2
BIOS5070 **Communication Skills in Sexual Health**	6		Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
BIOS5087 **Sexual Counselling Practicum**	6		Semester 2
Sexual Health elective [6] (see list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
BIOS5075 **Managing Sexual Dysfunctions**	6	**N** BIOS5074 Exploring Sexual Function & Dysfunction *This unit is appropriate for student who are directly involved in the diagnosis and management of sexual dysfunctions. The 3 credit point unit BIOS5074 Exploring Sexual Function & Dysfunction is more appropriate for those who deal with sexual issues at a more general level in their professional practice. Students are advised that they should select EITHER this unit of study OR BIOS5074 Exploring Sexual Function & Dysfunction (3 credits). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 1
Sexual Health elective [6] (see list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
BIOS5067 **Sexual Health Placement and Supervision**	6	*Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in Semester 1) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health*	Semester 1 Semester 2
Sexual Health elective [6] (see list below)			
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	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
BIOS5067 **Sexual Health Placement and Supervision**	6	*Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in Semester 1) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health*	Semester 1 Semester 2
BIOS5071 **Counselling in Sexual Health I**	6		Semester 1
BIOS5074 **Exploring Sexual Function & Dysfunction**	3	**N** BIOS5075 Managing Sexual Dysfunctions *This unit is appropriate for students who deal with sexual concerns as part of their professional practice. The 6 credit point unit BIOS5075 Managing Sexual Dysfunctions is more appropriate for those who are directly involved in the diagnosis and management of the condition. Students are advised that they should select EITHER this unit of study OR BIOS5075 Managing Function and Dysfunctions (6 credit points). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 1
BIOS5075 **Managing Sexual Dysfunctions**	6	**N** BIOS5074 Exploring Sexual Function & Dysfunction *This unit is appropriate for student who are directly involved in the diagnosis and management of sexual dysfunctions. The 3 credit point unit BIOS5074 Exploring Sexual Function & Dysfunction is more appropriate for those who deal with sexual issues at a more general level in their professional practice. Students are advised that they should select EITHER this unit of study OR BIOS5074 Exploring Sexual Function & Dysfunction (3 credits). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 1
BIOS5076 **Understanding Reproductive Health**	3	**N** BIOS5077 Advanced Reproductive Health *This unit would be appropriate for students who deal with reproductive issues in the context of sexual health as part of the professional practice. Those who are directly involved in the diagnosis and management of sexual and reproductive issues would be advised to enrol in BIOS5077 Advanced Reproductive Health. Students are advised that they should select EITHER BIOS5076 Understanding Reproductive Health (3 cr pts) OR BIOS5077 Advanced Reproductive Health (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 1
BIOS5077 **Advanced Reproductive Health**	6	**N** BIOS5076 Understanding Reproductive Health *This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues. Those who deal with reproductive issues in the context of sexual health as part of the professional practice would be advised to enrol in BIOS5076 Understanding Reproductive Health. Students are advised that they should select EITHER BIOS5076 Understanding Reproductive Health (3 cr pts) OR BIOS5077 Advanced Reproductive Health (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 1
BIOS5085 **Principles of Sexual Health Research**	6	*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*	Semester 1
BIOS5088 **Sexuality in Illness and Disability**	6		Semester 1
RHHG5007 **Clinical Reproductive Medicine**	4		Semester 1
RHHG5010 **Reproductive Sciences**	4		Semester 1
SEXH5109 **Introduction to STIs & HIV**	6	**P** Core units of Graduate Program of Sexual Health	Semester 1
SEXH5206 **Diagnostic Methods in Sexual Health**	6	*Students who are not enrolled in the STD/HIV program through the Faculty of Medicine must apply to Dr Richard Hillman for permission to enrol in this unit of study.*	Semester 1
Semester 2			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
BIOS5067 **Sexual Health Placement and Supervision**	6	*Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in Semester 1) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health*	Semester 1 Semester 2
BIOS5072 **Counselling in Sexual Health II**	6		Semester 2
BIOS5078 **Basics of Sexuality in Ageing**	3	**N** BIOS5079 Advanced Sexuality and Ageing *This unit would be appropriate for students who deal with older adults as part of the professional practice. Those who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults would be advised to enrol in BIOS5079 Advanced Sexuality and Ageing. Students are advised that they should select either BIOS5078 Basics of Sexuality in Ageing (3 cr pts) or BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 2
BIOS5079 **Sexuality and Ageing**	6	**N** BIOS5078 Basics of Sexuality in Ageing *This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults. Those who deal with older adults as part of the professional practice would be advised to enroll in BIOS5078 Basics of Sexuality and Ageing. Students are advised that they should select EITHER BIOS5078 Basics of Sexuality in Ageing (3 cr pts) OR BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
BIOS5080 **Law and Ethics in Sexual Health**	3		Semester 2
BIOS5081 **Sexual Assault**	3		Semester 2
BIOS5082 **Understanding Gender and Sexuality**	3	**N** BIOS5083 *This unit would be appropriate for students who deal with gender issues in the context of sexual health as part of the professional practice. Those who are directly involved in the diagnosis and management of gender identity and intersex issues would be advised to enrol in BIOS5083 Sex, Gender and Sexuality. Students are advised that they should select EITHER BIOS5082 Understanding Gender and Sexuality (3 cr pts) OR BIOS5083 Sex, Gender and Sexuality (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 2
BIOS5083 **Sex, Gender and Sexuality**	6	**N** BIOS5082 Understanding Gender and Sexuality *This unit would be appropriate for students who are directly involved in the diagnosis and management of gender identity and intersex issues. Those who only deal with gender issues in the context of sexual health as part of the professional practice would be advised to enrol in BIOS5082 Understanding Gender and Sexuality. Students are advised that they should select EITHER BIOS5082 Understanding Gender and Sexuality (3 cr pts) OR BIOS5083 Sex, Gender and Sexuality (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection*	Semester 2
BIOS5084 **Sexual Attitude Reassessment**	3		Semester 2
BIOS5086 **Sexual Health Research Project**	6	**P** BIOS5085 Principles of Sexual Health Research *This unit is appropriate for students interested in a research career in sexuality and sexual health*	Semester 2
BIOS5087 **Sexual Counselling Practicum**	6		Semester 2
RHHG5005 **Reproductive Sciences and Medicine**	4		Semester 2
RHHG5006 **Reproductive, Maternal and Child Health**	4		Semester 2
RHHG5014 **Fertility Control**	2		Semester 2
RHHG5021 **Reproduction and Cancer**	2		Semester 2
SEXH5100 **Social & Policy Aspects of Sexual Health**	4		Semester 2
SEXH5101 **Public Health Aspects of STDs**	2		Semester 2a
SEXH5102 **Public Health Aspects of HIV/AIDS**	2		Semester 2b
SEXH5204 **Adolescent Sexual Health**	4	**N** SEXH5205 *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.*	Semester 2
SEXH5205 **Advanced Adolescent Sexual Health**	6	**N** SEXH5204 *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.*	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.

21. Behavioural and Social Sciences in Health

Master of Health Science (Behavioural Science)

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

Honours

Articulation into the Master of Health Science (Behavioural Science) honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Behavioural Science) pass course.

Course outline

The course outlines for graduate coursework studies in Behavioural Science are presented in Tables 21.1 and 21.1.1. See information following Table 21.5.1 for elective streams. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 21.1: Master of Health Science (Behavioural Science) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC047: Credit points for award: 48			
Off-campus; part-time, minimum 4 semesters			
Part-time mode (no new intake in 2009)			
Year 1			
Research elective [6]			
Three electives [18] (see note)			
YEAR 1 TOTAL: 24 CREDIT POINTS			
Year 2			
Four electives [24] (see note)			
YEAR 2 TOTAL: 24 CREDIT POINTS			
Note			
Generally electives are taken from the elective list following Table 21.5.1.			

Table 21.1.1: Master of Health Science (Behavioural Science) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC081: Credit points for award: 60			
Part-time, 5 semesters			
Part-time mode (no new intake in 2009)			
Years 1 and 2			
As per Pass course			
Year 3			
BACH5263 Dissertation	12		Semester 1 Semester 2
Note			
Students must complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a Distinction grade.			

Master of Health Science (Child and Adolescent Health)

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

Honours

Articulation into the Master of Health Science (Child and Adolescent Health) honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Child and Adolescent Health) pass course.

Course outline

The course outlines for graduate coursework studies in Child and Adolescent Health are presented in Tables 21.2 and 21.2.1. See elective streams following Table 21.5.1 for a list of Child and Adolescent Health elective units of study. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 21.2: Master of Health Science (Child and Adolescent Health) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC048: Credit points for award: 48			
Off-campus, part-time, minimum 4 semesters			
Part-time mode (no new intake in 2009)			
Year 1			
Research elective [6]			
Two Child and Adolescent Health electives [12] (see note)			
Elective [6] (see note)			
YEAR 1 TOTAL: 24 CREDIT POINTS			
Year 2			
Two Child and Adolescent Health electives [12] (see note)			
Two electives [12] (see note)			
YEAR 2 TOTAL: 24 CREDIT POINTS			
Note			
Generally electives are taken from the elective list following Table 21.5.1. Students are encouraged to select electives from the Child and Adolescent stream.			

Table 21.2.1: Master of Health Science (Child and Adolescent Health) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC116: Credit points for award: 60			
Part-time, 5 semesters			
Part-time mode (no new intake in 2009)			
Year 1 and Year 2			
As per Pass course			
Year 3			
BACH5263 Dissertation	12		Semester 1 Semester 2
Note			
Students must complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a Distinction grade.			

Health Science (Education)

Health Science Education refers to the theory and practice of teaching and learning undertaken by health professionals in a variety of contexts across the health sciences, including undergraduate and postgraduate university teaching and clinical education, staff development and continuing professional education and patient and community health education. Studies in this specialist area have been offered by the Faculty of Health Sciences since 1989.

The Health Science (Education) program is designed to give an additional professional qualification as a teacher facilitating student learning and as a manager of education programs, including curriculum leadership and scholarly inquiry into teaching and learning.

People who enrol in this program are current or aspiring teachers from medicine and the allied health fields including nursing, physiotherapy, occupational therapy, orthoptics, communication disorders, medical radiation sciences, exercise and sports science, social work, pharmacy, podiatry, dental therapy, health information management and the complementary therapies including homoeopathy, chiropractic and acupuncture.

Teachers from across the health professions work as academics and tutors in universities and colleges, educational designers for flexible and distance delivery of learning, clinical teachers and supervisors in rural, remote and metropolitan fieldwork settings, nurse educators and clinical nurse specialists in public and private hospitals and the armed services, managers and training officers in human resource development units and pharmaceutical and medical supply companies, education officers in professional associations, patient educators and community health educators. Some branch out into non-health roles, such as training in the private sector and teaching in technical colleges.

The extent of the interdependence between education and health is illuminated by Tones' (1987) well known phrase "Education for Health". This succinctly captures why education is congruent with the nature of service delivery and has resulted in the professionalisation of teaching across the health sector. In keeping with the diversity of teaching possibilities, the Health Science (Education) program is designed to enable career portability between the different fields of education; in turn, this promotes common cause amongst educators across the health arena.

The curriculum is conceptualised around a professional practice model of teaching derived from the key roles an educator has in any educational institution or health service organisation, and the competencies required to undertake these roles effectively through scholarship and best practice.

All units of study assume participants will have diverse requirements depending on their teaching role, type of workplace, and likely target population of learners. The curriculum is designed to be inclusive of international contexts whether you are an international student or an Australian national working offshore. The two core units provide a foundation in the theory of adult education and design for effective learning. The electives provide study options across four streams: university and clinical education, in service and continuing education; technology based and distance education; patient and community health education. Assessment in all units is assignment-based and focuses on scholarship, application to authentic contexts and reflective practice. There are no examinations.

Studies maximise flexibility by offering distance delivery using print-based independent learning packages, web-based interaction and web resources and email support from the lecturer. Some optional workshops are offered on the Cumberland campus depending on the number of participants. Students studying offshore through the Singapore Institute of Management have some face-to-face classes for the core units only. Electives available through the Master of Medical Education use web delivery and on-campus workshops on the Camperdown site. There are no residential attendance requirements. Computers, email and reliable web access is essential.

Studies in university teaching for academic staff at the University of Sydney

The Health Science (Education) program in collaboration with the Master of Medical Education offers increased opportunity for teacher development for both new or experienced academics across the faculties that provide education for the health professions at the University of Sydney. While some units of study are directed to practical skill development for promoting student learning in small and large groups, other units consider more complex pedagogical issues, such as teaching clinical reasoning or facilitating problem-based learning. All units engage academics with the process of scholarly inquiry in the pursuit of enhancing quality in student learning.

As part of the cross institution learning initiative, credit is given for units of study completed by academic staff from the faculty of Health Sciences through the Master of Medical Education (Faculty of Medicine). Credit is also available for units of study undertaken as part of the Graduate Certificate in Educational Studies (Higher Education) (Faculty of Education and Institute of Teaching and Learning).

For further information about graduate studies in Health Science (Education), see www.fhs.usyd.edu.au/bach/future_students.

Structure of the Awards – Health Science (Education)

The Health Science (Education) program is structured as a three stage masters, in which each of the earlier stages offers a linked award. This articulated format enables a participant to enrol in the award that best meets individual needs. Enrolment might be directly into the master's or start with the graduate certificate.

Course Award	Units of study	Credit points
Graduate Certificate	4 units	24
Graduate Diploma	6 units	36
Master's Degree	8 units	48
Honours (Option)	10 units	60

Admission requirements

In order to qualify for admission to either the Graduate Certificate, Graduate Diploma or Master's degree, applicants shall:

1. hold a bachelor's degree in a health sciences field or other relevant area, or
2. have such professional qualifications and/or experience that will satisfy the faculty, and
3. have a minimum of one year's full-time professional experience.

Current or recent experience in teaching is considered desirable. Admission for all students will be contingent on availability of student places. Mid-year enrolment is an option.

Level of entry

Students elect their level of entry according to their study goals. Most students enter at the Master's level. Some students enter at the graduate certificate level and choose the option to articulate to the Master's at a later date. The graduate diploma is available as an early exit option from the master's program. Participants may enrol directly into this award but note it does not meet the requirements of full-time study as the second semester, requiring only two units of study, is only equivalent to a part-time load.

Articulation to a higher award

Participants wishing to transfer (or articulate) from the Graduate Certificate or the Graduate Diploma to the Master's degree should complete a course transfer form and submit this to Student Central by 30 October. Participants with non-graduate entry will need to achieve a credit average to be eligible for articulation from the Graduate Certificate to the Diploma or Master's.

Early exit

A participant who elects to exit early from a higher articulated award must satisfactorily complete the credit point requirements for the lesser award.

Honours

Articulation into the Master of Health Science (Education) Honours course is contingent upon the student achieving an overall credit average and a Distinction in at least two units of study in the Master of Health Science (Education) pass course. Evidence may be required of the applicant's ability to write a critical literature review to a high standard. The dissertation will be deemed to be worth 12 credit points and will normally be completed within one semester. Applicants should contact the course coordinator before applying.

Course outline

The course outline for each award is described in Tables 21.3, 21.4, 21.5 and 21.5.1. Education electives available in Semesters 1 and 2 are listed following Table 21.5.1. See Chapter 32 for unit descriptions and for a list of faculty and research electives.

Table 21.3: Graduate Certificate of Health Science (Education)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG032: Credit points for award: 24			
Full-time, 1 semester; part-time, 2 semesters			
Full-time mode			
Year 1			
BACH5001 Adult Learning	6		Semester 1 Semester 2
BACH5002 Educational Design	6		Semester 1 Semester 2
Two electives [12] (see note)			
YEAR 1 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
BACH5001 Adult Learning	6		Semester 1 Semester 2
Elective [6] (see note)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Students commencing studies in Semester 2 should undertake BACH5001 Adult Learning as their first core unit.			
BACH5002 Educational Design	6		Semester 1 Semester 2
Elective [6] (see note)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Note			
Students undertake two (2) professional electives of 6 credit points each. Generally these electives are taken from Education List A or List B found in the Behavioural and Social Sciences in Health electives list following Table 21.5.1.			

Table 21.4: Graduate Diploma of Health Science (Education)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SF046: Credit points for award: 36			
Part-time, 3 semesters			
Year 1			
Semester 1			
BACH5001 Adult Learning	6		Semester 1 Semester 2
Elective [6] (see note)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Students commencing studies in Semester 2 should undertake BACH5001 Adult Learning as their first core unit.			
BACH5002 Educational Design	6		Semester 1 Semester 2
Elective [6] (see note)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Two electives [12] (see note)			
YEAR 2 TOTAL: 12 CREDIT POINTS			
Note			
Students undertake four professional electives of 6 credit points each. Generally these electives are taken from Education List A or List B found in the Behavioural and Social Sciences in Health electives list following Table 21.5.1.			

Table 21.5: Master of Health Science (Education) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC066: Credit points for award: 48			
Full-time, 2 semesters; part-time, 4 semesters			
Full-time mode			
Year 1			
Semester 1			
BACH5001 Adult Learning	6		Semester 1 Semester 2
Three electives [18] (see note)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
Students commencing studies in Semester 2 should undertake BACH5001 Adult Learning as their first core unit.			
BACH5002 Educational Design	6		Semester 1 Semester 2
Three electives [18] (see note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
BACH5001 Adult Learning	6		Semester 1 Semester 2
Elective [6] (see note)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Students commencing studies in Semester 2 should undertake BACH5001 Adult Learning as their first core unit.			
BACH5002 Educational Design	6		Semester 1 Semester 2
Elective [6] (see note)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
Two electives [12] (see note)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Two electives [12] (see note)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Note			
Students undertake 6 electives of 6 credit points each. Generally these electives are taken from Education List A or List B found in the Behavioural and Social Sciences in Health electives list following Table 21.5.1.			

Table 21.5.1: Master of Health Science (Education) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC082: Credit points for award: 60			
Full-time, 3 semesters; part-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2			
BACH5263 Dissertation	12		Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3			
BACH5263 Dissertation	12		Semester 1 Semester 2
Note			
Students must complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a Distinction grade. Students should contact the course coordinator before enrolling.			

Behavioural and Community Health Sciences electives

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Elective streams			
Depending on the degree program, you may be able to choose electives across a number of streams. Electives in all the streams listed below except for those in the Education stream are classed as Behavioural Science electives.			
Child and Adolescent Health			
BACH5063 Therapies for Children and Adolescents	6	**P** BACH5313	Semester 2
BACH5138 Abnormal Psychology and Mental Health	6	**A** Undergraduate psychology	Semester 1 Semester 2
BACH5198 Contemporary Issues 1	6	**A** Previous study of psychology at undergraduate level or BACH5321 Psychology for Graduate Students	Semester 1 Semester 2
BACH5200 Contemporary Issues 2	6	**P** BACH5198 Contemporary Issues I	Semester 1 Semester 2
BACH5309 Assessment of Children and Adolescents	6	**P** Three year undergraduate degree in psychology and BACH5313 Child and Adolescent Psychology	Semester 2
BACH5313 Child and Adolescent Psychology	6	**A** Previous study of psychology at undergraduate level is assumed	Semester 1 Semester 2
Counselling			
BACH5138 Abnormal Psychology and Mental Health	6	**A** Undergraduate psychology	Semester 1 Semester 2
BACH5139 Behaviour Mod & Cog Behavioural Therapy	6		Semester 1
BACH5143 Counselling	6	**A** Undergraduate psychology	Semester 1 Semester 2
BACH5323 Advanced Counselling Skills	6	**A** Basic counselling skills **P** BACH5143 Counselling	Semester 1 Semester 2
BACH5324 Psychotherapy	6	**P** BACH5143 Counselling **C** BACH5323 Advanced Counselling Skills	Semester 2
Education			
List A (normally offered in Semester 1)			
BACH5001 Adult Learning	6		Semester 1 Semester 2
BACH5002 Educational Design	6		Semester 1 Semester 2
BACH5085 Clinical Teaching and Supervision	6	**A** Some knowledge of adult learning theory is useful	Semester 1
BACH5118 Learning in Groups	6		Semester 1
BACH5151 Independent Investigation I	6	**A** Basic principles of adult learning and educational design are useful	Semester 1
BACH5153 Assessment of Learning	6	**A** Knowledge of adult learning and educational design is useful	Semester 1
BACH5336 Lecturing and Large Group Teaching	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
List B (normally offered in Semester 2)			
BACH5001 Adult Learning	6		Semester 1 Semester 2
BACH5002 Educational Design	6		Semester 1 Semester 2
BACH5003 Facilitating Learning	6	**A** Some knowledge of adult learning theory and group dynamics useful	Semester 2
BACH5007 Curriculum Leadership	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 2
BACH5022 Independent Investigation II	6	**A** Basic principles of adult learning and educational design are useful	Semester 2
BACH5042 Teaching Clinical Reasoning	6	**A** Some knowledge of Adult Learning theory is useful	Semester 2
BACH5284 Learning in the Workplace	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 2
Improving Health Systems			
BACH5026 Special Investigation	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
BACH5328 Evaluating Health Interventions	6		Semester 2
International Health			
BACH5196 International Health and Society	6		Semester 1 Semester 2
Research electives			
BACH5011 Survey Research Methods	6		Semester 1 Semester 2
BACH5253 Intermediate Statistics	6	**P** BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research; or equivalent *Note: Department permission required for enrolment*	Semester 1 Semester 2
BACH5255 Qualitative Research Methods	6		Semester 2
BACH5298 History and Philosophy of Science	6	*Not available to Doctor of Health Science students*	Semester 2
BACH5300 Action Research	6	*Note: Department permission required for enrolment*	Semester 1
BACH5302 Epidemiological Research	6	**A** Previous study of Research Methods at undergraduate level	Semester 1 Semester 2
BACH5328 Evaluating Health Interventions	6		Semester 2
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
Other			
BACH5165 Post Trauma Stress	6		Semester 1
BACH5180 Stress and Illness: Management Issues	6		Semester 1
BACH5186 Professional Development Skills	6		Semester 1 Semester 2
BACH5224 Organisational Management	6		Semester 1
BACH5321 Psychology for Graduate Students	6		Semester 1 Semester 2
BACH5338 Cyberpsychology and Online Health	6		Semester 2

22. Exercise and Sport Science

Master of Exercise Physiology

This course is a 2 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.

The honours program is an optional, additional semester 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 program to have the academic aptitude to conduct a research project.

Admission requirements

Admission to the Master of Exercise Physiology is competitive. Applicants are considered on the basis of the undergraduate degree obtained and the grade point average obtained in that degree. The minimum entry standard will be a credit average in the undergraduate degree.

To qualify for admission to this course, applicants shall possess:

1. an award of Bachelor of Applied Science (Exercise and Sport Science) from The University of Sydney or the University of Western Sydney, or
2. an award of Bachelor of Science (Health and Sports Science) from the University of NSW, or
3. an award of Bachelor of Exercise Science from the University of Wollongong, the Charles Sturt University or the Australian Catholic University, or
4. an award of Bachelor of Exercise Science and Rehabilitation from the University of Wollongong, or
5. an award of Bachelor of Sport and Exercise Science from Southern Cross University, or
6. an award of Bachelor of Exercise Science and Nutrition (majored in Exercise Science) from Southern Cross University, or
7. an award of Bachelor of Exercise and Sport Science from University of Newcastle, or
8. such studies from a University degree as are deemed to be equivalent to (1), (2), (3), (4), (5), (6) or (7).

Applicants who possess academic qualifications other than listed in ((1), (2), (3), (4), (5), (6) or (7) above must provide a portfolio to the discipline of Exercise and Sport Science detailing their previous tertiary studies, in addition to their UAC application. In particular, unit of study descriptions pertaining to previous studies in the following assumed knowledge areas will need to be supplied: human anatomy, human physiology, biomechanics/physics, psychology/ behavioural science, research design/statistics, and biochemistry.

In addition, applicants will also need to possess a current certificate of competency in Cardiopulmonary Resuscitation (CPR). This certificate must be kept current throughout the candidature.

Professional Experience

Across the 2 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 health care system.

Professional Recognition

An application for accreditation by the Australian Association of Exercise and Sports Science (AAESS) National Universities Course Accreditation Program at the level of Exercise Physiologist is in preparation. However, in the interim, graduates would be able to apply for Exercise Physiologist accreditation through the evidence-based application process which AAESS has in place. The AAESS accredited Exercise Physiologist is the practitioner who is competent for practice with clients with chronic disease and disability. The AAESS 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 outlines for the Master of Exercise Physiology pass and honours are presented in Tables 22.1 and 22.1.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 22.1: 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 (first offered in 2009)			
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 *Students must have a current CPR certificate of competency.*	Semester 1
EXSS5059 **Professional Practice**	6	**C** EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming *Students must have a current CPR certificate of competency prior to undertaking clinical work.*	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS5048 **Exercise Throughout the Lifespan**	6	**P** EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5060 **Advanced Exercise Programming**	6	**A** EXSS5029 Exercise, Metabolism and Physiology **P** EXSS5058 Principles of Exercise Programming *Students must have a current CPR certificate of competency*	Semester 2
EXSS5061 **Clinical Exercise Practice**	6	**A** EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming **P** EXSS5059 Professional Practice **C** EXSS5060 Advanced Exercise Programming	Semester 2
EXSS5062 **Musculoskeletal Principles of Exercise**	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
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** EXSS5029 Exercise Metabolism and Physiology *Note: Department permission required for enrolment*	Semester 1
EXSS5064 Clinical Exercise Science Case Studies 1 [6]			
EXSS5065 Nutrition and Pharmacology [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
EXSS5051 **Clinical Biomechanics**	6	**P** EXSS5030 Human Mechanics *Not available during concurrent enrolment in EXSS5046 Sports Biomechanics*	Semester 2
EXSS5057 **Clinical Exercise Science Practicum 2**	12	**A** Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) **P** EXSS5029 Exercise Metabolism and Physiology *Note: Department permission required for enrolment*	Semester 2
EXSS5066 Clinical Exercise Science Case Studies 2 [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Table 22.1.1: Master of Exercise Physiology (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC150: Credit points for award: 120			
Full-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Year 2			
As per Pass course			
Year 3 (first offered in 2011)			
Semester 1			
EXSS5063 **Exercise Dissertation**	24		Semester 1 Semester 2
SEMESTER 1 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 fields (or overseas equivalent). A background in anatomy or 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 22.2. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 22.2: Graduate Certificate of Health Science (Exercise and Sport Science)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG026: Credit points for award: 24			
Full-time, minimum 1 semester; part-time, minimum 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)			
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.			
BACH5340 **Healthy Behaviours-Promoting Self Change**	6		Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	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	Semester 2
EXSS5044 **Advanced Exercise Physiology**	6	**P** EXSS5029 Exercise Metabolism and Physiology	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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 *Not available during concurrent enrolment in EXSS5046 Sports Biomechanics*	Semester 2
EXSS5055 **High Performance Coaching**	6	**A** Undergraduate level Motor Control; Growth and Development; Behavioural Science	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 fields (or overseas equivalent).

A background in anatomy or 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 22.3. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 22.3: Graduate Diploma of Health Science (Exercise and Sport Science)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SF054: Credit points for award: 36			
Part-time, minimum 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	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
BACH5340 **Healthy Behaviours-Promoting Self Change**	6		Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
EXSS5030 **Human Mechanics**	6	**A** Fundamental functional anatomy	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EXSS5036 **Exercise for Clinical Populations**	6	**P** EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5044 **Advanced Exercise Physiology**	6	**P** EXSS5029 Exercise Metabolism and Physiology	Semester 2
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 *Not available during concurrent enrolment in EXSS5046 Sports Biomechanics*	Semester 2
EXSS5055 **High Performance Coaching**	6	**A** Undergraduate level Motor Control; Growth and Development; Behavioural Science	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** EXSS5029 Exercise Metabolism and Physiology *Note: Department permission required for enrolment*	Semester 1

Master of Exercise and Sport Science (Clinical Exercise Science)

This course aims to provide advanced study in the broad discipline of clinical exercise physiology and biomechanics as it applies to rehabilitation of individuals with disease or disability. It is designed to equip graduates with an in-depth understanding of applied physiology, clinical biomechanics, and the effect of health disorders on exercise performance, together with the knowledge and skills to conduct exercise testing of symptomatic and asymptomatic population groups and prescribe appropriate exercise programs. Clinical exercise studies related to nutrition and psychosocial attributes may also be undertaken.

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 fields. A background in anatomy or biomechanics and physiology is essential. Progression into the honours program is contingent upon the student achieving a credit average over 48 credit points.

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 outlines for the Master of Exercise and Sport Science (Clinical Exercise Science) pass and honours are presented in Tables 22.4 and 22.4.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 22.4: 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
Elective [18] (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			
EXSS5048 **Exercise Throughout the Lifespan**	6	**P** EXSS5029 Exercise Metabolism and Physiology	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			
EXSS5036 **Exercise for Clinical Populations**	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 (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.			
BACH5340 **Healthy Behaviours-Promoting Self Change**	6		Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	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	Semester 2
EXSS5044 **Advanced Exercise Physiology**	6	**P** EXSS5029 Exercise Metabolism and Physiology	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
EXSS5051 **Clinical Biomechanics**	6	**P** EXSS5030 Human Mechanics *Not available during concurrent enrolment in EXSS5046 Sports Biomechanics*	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** EXSS5029 Exercise Metabolism and Physiology *Note: Department permission required for enrolment*	Semester 1
EXSS5057 **Clinical Exercise Science Practicum 2**	12	**A** Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th ed), Lippincott Williams & Wilkins (2006) **P** EXSS5029 Exercise Metabolism and Physiology *Note: Department permission required for enrolment*	Semester 2
PUBH5021 **Global Obesity and Disease Prevention**	6		Semester 2
PUBH5022 **Physical Activity and Public Health**	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 22.4.1: 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			
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3			
Semester 1			
EXSS5063 Exercise Dissertation	24		Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

Master of Exercise and Sport Science (Sports Performance)

This course aims to provide advanced study in the broad discipline of exercise and sport science as it applies to elite sportspersons. It is designed to equip graduates with an in depth understanding of advanced exercise physiology, sports biomechanics, athlete assessment and exercise program prescription for elite sports performance.

Sport specific studies related to nutrition and psychosocial attributes may also be undertaken.

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 fields. A background in anatomy or biomechanics and physiology is essential. Progression into the honours program is contingent upon the student achieving a credit average over 48 credit points.

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 outlines for the Master of Exercise and Sport Science (Sports Performance) pass and honours are presented in Tables 22.5 and 22.5.1. See Chapter 32 for unit descriptions and for a list of faculty and research electives.

Table 22.5: 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			
EXSS5044 Advanced Exercise Physiology	6	**P** EXSS5029 Exercise Metabolism and Physiology	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
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			
EXSS5044 Advanced Exercise Physiology	6	**P** EXSS5029 Exercise Metabolism and Physiology	Semester 2
EXSS5046 Sports Biomechanics	6	**P** EXSS5030 Human Mechanics	Semester 2
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	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	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
EXSS5051 Clinical Biomechanics	6	**P** EXSS5030 Human Mechanics *Not available during concurrent enrolment in EXSS5046 Sports Biomechanics*	Semester 2
EXSS5055 High Performance Coaching	6	**A** Undergraduate level Motor Control; Growth and Development; Behavioural Science	Semester 2

Table 22.5.1: 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			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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			
Year 3			
Semester 1			
EXSS5063 **Exercise Dissertation**	24		Semester 1 Semester 2
SEMESTER 1 TOTAL: 24 CREDIT POINTS			

23. Health Informatics

Bachelor of Health Sciences/Master of Health Informatics

Note: *There will be no intake of new students into the Bachelor of Health Sciences/Master of Health Informatics in 2009.*

The Bachelor of Health Sciences/Master of Health Informatics is a four year course for students wishing to undertake a combined degree. The combined study of general health sciences with a professional qualification in health information management will prepare graduates to be specialists in the design and management of health information systems. Health informatics graduates choose from a wide range of exciting career opportunities across the health care spectrum. Examples include positions working wherever systems are needed to manage information, such as in research and management in positions in health-related organisations in the public and private health sectors, in clinical and non-clinical settings, and government and other public and community institutions.

Admission requirements

A UAI of 80 or above is needed for admission to the Bachelor of Health Sciences/Master of Health Informatics course. The general admission requirements in Chapter 3 apply.

Students are required to maintain a credit average until the end of Year 2 to remain enrolled in the Bachelor of Health Sciences/Master of Health Informatics course.

Course outline

The course outline for the Bachelor of Health Sciences/Master of Health Informatics pass and honours degrees are presented in Tables 23.1 and 23.1.1. Undergraduate units of study are described in Chapter 19 while descriptions of the postgraduate units and a list of faculty electives are found in Chapter 32.

Table 23.1: Bachelor of Health Sciences/Master of Health Informatics

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SH132: Pass course; full-time, 4 years			
Year 1 (no new intake in 2009)			
Semester 1			
HSBH1006 Foundations of Health Science	6		Semester 1
HSBH1007 Health Science and Research	6		Semester 1
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
Any junior Biology unit [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
HIMT5023 Fundamentals of Medical Terminology	6		Semester 2
Elective [6] (see note 1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT1051 Introduction to Management Principles	6		Semester 1
HIMT5070 Human Resource Management	6		Semester 1
HIMT5085 Information Systems in Health Care	6	**C** HIMT5086 Health Informatics Principles	Semester 1 Semester 2
HIMT5086 Health Informatics Principles	6	**C** HIMT5085 Information Systems in Health Care	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			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
COMP5138 **Relational Database Management Systems**	6	**N** COMP5015	Semester 1 Semester 2
HIMT5091 **Professional Experience**	6		Semester 2
Elective [6] (see note 1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2009)			
Semester 1			
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
HIMT5092 **International Disease Classification A**	6		Semester 1
HSBH3004 **Health, Ethics and the Law**	6		Semester 1
BHS Senior elective [6] (see list below and note 2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT5059 **Health Classification Systems**	6		Semester 2
HIMT5087 **Professional Practice-Health Informatics**	6		Semester 1 Semester 2
HIMT5093 **International Disease Classification B**	6	**P** HIMT5092 International Disease Classification A	Semester 2
BHS Senior elective [6] (see list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2010)			
Semester 1			
HIMT5058 Health Informatics Applications [6]			
HIMT5065 Project Management [6]			
HIMT5088 Health Informatics Evaluation [6]			
Elective [6] (see note 1)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT5060 Integration of Health Informatics [6]			
HIMT5079 Health Informatics Research Project [6]			
HIMT5089 Health Systems Data Analysis [6]			
Elective [6] (see note 1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
BHS Senior Electives (see note 2)			
HSBH3001 **Health and Indigenous Populations**	6		Semester 2
HSBH3003 **Health Service Stategy and Policy**	6		Semester 2
HSBH3004 **Health, Ethics and the Law**	6		Semester 1
HSBH3006 **Research Methods in Health**	6	**P** HSBH1007 Health Science and Research or equivalent	Semester 1
HSBH3009 **International Health Project**	6		Semester 2
Notes			
1. Elective choice should be discussed with the BHS/MHI course coordinator prior to selection.			
2. Other BHS senior electives will be offered in 2010.			

Table 23.1.1: Bachelor of Health Sciences/Master of Health Informatics (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Honours course; full-time, 4 years			
Years 1 to 3			
As for Pass degree			
Year 4 (first offered in 2010)			
Semester 1			
HIMT5058 **Health Informatics Applications**	6		Semester 1
HIMT5062 **Dissertation A**	6	**P** BACH5341 Research & Inquiry in Health Professions	Semester 1 Semester 2
HIMT5065 **Project Management**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
HIMT5088 **Health Informatics Evaluation**	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT5060 **Integration of Health Informatics**	6		Semester 2
HIMT5089 **Health Systems Data Analysis**	6	**P** BACH5068 Statistics for Clinical Research	Semester 2
HIMT5090 **Dissertation B**	12	**P** HIMT5062 Dissertation A, BACH5341 Research & Enquiry in Health Professions	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Graduate Certificate of Health Science (Clinical Data Management)

This course is designed to provide health professionals with knowledge and skills in the management of clinical data used in clinical trials and other projects.

The course is suitable for nursing, health information managers, data managers and other health professionals working with, or planning to work with, clinical data and other health databases. A residential school is normally held at the beginning of Semester 2.

On successful completion of the Graduate Certificate program, students may apply to articulate into the Master of Health Science (Clinical Data Management) with credit transfer for units completed.

Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

- a bachelor's degree in an appropriate discipline from an Australian tertiary institution, or
- a bachelor's degree in an appropriate discipline from an overseas institute equivalent to an Australian bachelor degree, or
- experience and/or a qualification as deemed appropriate by the head of academic unit.

Applicants must be able to demonstrate familiarity with major microcomputing software such as DOS, Windows, word processing, a database package and a spreadsheet package.

Course outline

The course outline for the Graduate Certificate of Health Science (Clinical Data Management) is presented in Table 23.2. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 23.2: Graduate Certificate of Health Science (Clinical Data Management)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG017: Credit points for award: 24			
Off-campus: part-time, minimum 2 semesters			
Year 1			
Semester 1			
HIMT5025 **Clinical Trials and Data Management**	6		Semester 1
HIMT5027 **Introduction to Epidemiology**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
HIMT5023 **Fundamentals of Medical Terminology**	6		Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HIMT5052 Database Management Systems	6	*Students enrolling in HIMT5052 are required to attend a 4-day workshop at the beginning of Semester 2.*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Master of Health Science (Clinical Data Management)

The Master of Health Science (Clinical Data Management) offers advanced study in the design and management of clinical trials and other related projects. The program provides participants with skills in designing systems that collect, combine, critically appraise, and quantitatively evaluate information in order to facilitate evidence based decisions regarding treatment and/or health policy.

To make the course easily accessible to working participants, five units of study are offered by distance education and the remainder of the program is presented via a range of flexible modes including workshops and block teaching.

A one-week residential school is normally held at the beginning of Semester 2. The option of an additional honours year is available. The honours program includes directed independent study via dissertation.

Admission requirements

- A bachelor's degree in an appropriate discipline from an Australian tertiary institution or equivalent, or
- Experience and/or qualifications as deemed appropriate by the head of academic unit.
- Students who have undertaken the Graduate Certificate of Health Science (Clinical Data Management) are eligible for full credit for their study and can articulate to the master's program.

Course outline

The course outlines for the Master of Health Science (Clinical Data Management) pass and honours are presented in Tables 23.3 and 23.3.1. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 23.3: Master of Health Science (Clinical Data Management) Pass

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC097: Credit points for award: 48			
Full-time, 2 semesters (5 units off-campus and 3 units flexible mode including workshops and block teaching)			
Part-time, 4 semesters (5 units off-campus and 3 units flexible mode including workshops and block teaching)			
Full-time mode			
Year 1			
Semester 1			
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
HIMT5025 Clinical Trials and Data Management	6		Semester 1
HIMT5027 Introduction to Epidemiology	6		Semester 1
Semester 2			
HIMT5023 Fundamentals of Medical Terminology	6		Semester 2
HIMT5052 Database Management Systems	6	*Students enrolling in HIMT5052 are required to attend a 4-day workshop at the beginning of Semester 2.*	Semester 2
HIMT5066 Advanced Clinical Data Management	6	**P** HIMT5025 Clinical Trials and Data Management	Semester 2
Semester 1 or 2			
HIMT5065 Project Management	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
HIMT5067 Evidence Based Health Care	6		Semester 1 Semester 2
Part-time mode			
Year 1			
Semester 1			
HIMT5025 Clinical Trials and Data Management	6		Semester 1
HIMT5027 Introduction to Epidemiology	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			
HIMT5023 **Fundamentals of Medical Terminology**	6		Semester 2
HIMT5052 **Database Management Systems**	6	*Students enrolling in HIMT5052 are required to attend a 4-day workshop at the beginning of Semester 2.*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
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
Semester 2			
HIMT5066 **Advanced Clinical Data Management**	6	**P** HIMT5025 Clinical Trials and Data Management	Semester 2
Semester 1 or 2			
HIMT5065 **Project Management**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
HIMT5067 **Evidence Based Health Care**	6		Semester 1 Semester 2

Table 23.3.1: Master of Health Science (Clinical Data Management) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC098: Credit points for award: 60			
Full-time, 3 semesters; part-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2			
HIMT5061 **Dissertation**	12		Semester 1 Semester 2
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3			
Semester 1			
HIMT5062 **Dissertation A**	6	**P** BACH5341 Research & Inquiry in Health Professions	Semester 1 Semester 2
Semester 2			
HIMT5063 **Dissertation B**	6		Semester 2

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. 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.

The Master of Health Informatics is designed for those graduates who wish to pursue a career as health informatics specialists or for health professionals who wish to increase their knowledge and skills in this developing area.

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.), or
- Experience and/or qualifications as deemed appropriate by the course coordinator.

Course outline

The course outlines for the Master of Health Informatics pass and honours degrees are presented in Tables 23.4 and 23.4.1. Unit descriptions and a list of faculty electives are found in Chapter 32. Students can also choose electives from the Schools of Public Health and Information Technologies.

Table 23.4: 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	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5085 **Information Systems in Health Care**	6	**C** HIMT5086 Health Informatics Principles	Semester 1 Semester 2
HIMT5086 **Health Informatics Principles**	6	**C** HIMT5085 Information Systems in Health Care	Semester 1 Semester 2
Elective [6] (see elective list below)			
SEMESTER 1 TOTAL: 24 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 **Relational Database Management Systems**	6	**N** COMP5015	Semester 1 Semester 2
HIMT5087 **Professional Practice-Health Informatics**	6		Semester 1 Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2009)			
Semester 1			
HIMT5058 **Health Informatics Applications**	6		Semester 1
HIMT5065 **Project Management**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
HIMT5088 **Health Informatics Evaluation**	6		Semester 1
Elective [6] (see elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT5060 **Integration of Health Informatics**	6		Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
HIMT5079 **Health Informatics Research Project**	6	**P** BACH5341 Research & Inquiry in Health Professions	Semester 2
HIMT5089 **Health Systems Data Analysis**	6	**P** BACH5068 Statistics for Clinical Research	Semester 2
Elective [6] (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	Semester 1 Semester 2
HIMT5086 **Health Informatics Principles**	6	**C** HIMT5085 Information Systems in Health Care	Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
Elective [6] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2 (first offered in 2009)			
Semester 1			
HIMT5087 **Professional Practice-Health Informatics**	6		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 **Relational Database Management Systems**	6	**N** COMP5015	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3 (first offered in 2010)			
Semester 1			
HIMT5058 Health Informatics Applications [6]			
HIMT5088 Health Informatics Evaluation [6]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
HIMT5065 Project Management [6]			
HIMT5089 Health Systems Data Analysis [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 4 (first offered in 2011)			
Semester 1			
Two electives [12] (see elective list below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
HIMT5060 Integration of Health Informatics [6]			
HIMT5079 Health Informatics Research Project [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Electives			
Electives taken may vary in credit points, but the total electives taken must equal 18 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.			
Semester 1			
HIMT5050 **International Disease Classifications A**	3		Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Semester 2			
BACH5255 Qualitative Research Methods	6		Semester 2
BACH5338 Cyberpsychology and Online Health	6		Semester 2
HIMT5023 Fundamentals of Medical Terminology	6		Semester 2
HIMT5051 International Disease Classifications B	3	**P** HIMT5050 International Disease Classification A	Semester 2
HIMT5059 Health Classification Systems	6		Semester 2
Semester 1 or 2			
HIMT5067 Evidence Based Health Care	6		Semester 1 Semester 2
HIMT5069 Health Care Systems	6		Semester 1 Semester 2

Table 23.4.1: Master of Health Informatics (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC146: Credit points for award: 96			
Full-time, 4 semesters			
Year 1			
As per Pass course			
Year 2 (first offered in 2009)			
Semester 1			
HIMT5058 Health Informatics Applications	6		Semester 1
HIMT5062 Dissertation A	6	**P** BACH5341 Research & Inquiry in Health Professions	Semester 1 Semester 2
HIMT5065 Project Management	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
HIMT5088 Health Informatics Evaluation	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
HIMT5060 Integration of Health Informatics	6		Semester 2
HIMT5089 Health Systems Data Analysis	6	**P** BACH5068 Statistics for Clinical Research	Semester 2
HIMT5090 Dissertation B	12	**P** HIMT5062 Dissertation A, BACH5341 Research & Enquiry in Health Professions	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Master of Health Science (Health Informatics)

No new intake from 2008

The Master of Health Science (Health Informatics) provides graduates with a theoretical and practical understanding of the role of information and communication technologies in health care and the skills required for the successful integration of such technologies into the health system. The course focuses on three central knowledge areas; principles and applications of health informatics; database management systems and the classification of data; and managing the integration of health informatics within the health care environment.

The course is suitable for health professionals who wish to enhance their understanding and ability to work effectively with information and information technologies. The course is also designed for those graduates who wish to pursue a career as a health informatics specialist. Participants complete five core and three elective units of study. The program is offered one year full-time or two years part-time. Credit and above level candidates will be offered the option of an additional honours year.

A Certificate of Specialisation in Nosology is awarded to students who complete the five core units and take as electives the units HIMT5084 Nosology, HIMT5050 International Disease Classification A and HIMT5051 International Disease Classification B. An additional elective completes the required 48 credit points.

Students may receive credit transfer for core units of study, however credit transfer for elective units must be replaced with alternative units of study.

Admission requirements

- A bachelor's degree from an Australian tertiary institution or equivalent, or
- Experience and/or qualifications as deemed appropriate by the head of academic unit.

Course outline

The course outlines for the Master of Health Science (Health Informatics) pass and honours are presented in Tables 23.5. Unit descriptions and a list of faculty electives are found in Chapter 32.

Table 23.5: Master of Health Science (Health Informatics) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC095: Credit points for award: 48			
Part-time, minimum 4 semesters			
Year 2 (last intake in 2008)			
Semester 1			
HIMT5060 **Integration of Health Informatics**	6		Semester 2
Elective [6] (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			
Electives			
Electives taken may vary in credit points, but the total electives taken must equal 18 credit points.			
Semester 1			
HIMT5027 **Introduction to Epidemiology**	6		Semester 1
Semester 2			
HIMT5023 **Fundamentals of Medical Terminology**	6		Semester 2
HIMT5079 **Health Informatics Research Project**	6	**P** BACH5341 Research & Inquiry in Health Professions	Semester 2
Semester 1 or 2			
BACH5002 **Educational Design**	6		Semester 1 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
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
HIMT5065 **Project Management**	6	*Note: Department permission required for enrolment*	Semester 1 Semester 2
HIMT5067 **Evidence Based Health Care**	6		Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2

24. 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. There are four distinct postgraduate programs offered within the discipline.

Graduate entry level programs

Master of Diagnostic Radiography, Master of Nuclear Medicine and Master of Radiation Therapy, plus honours options for the three professional areas.

These programs prepare entrants for practice in three professional streams – diagnostic radiography, nuclear medicine and radiation therapy.

Graduate Entry Coordinators

John Atyeo (Curriculum design, course planning and staffing)
Associate Professor Michael Kassiou (Curriculum review)
Elisabeth Kilburn-Watt (Students)

Postgraduate coursework programs in Medical Radiation Sciences

Postgraduate MRS Coursework Coordinators

Associate Professor Michael Kassiou (Curriculum review)
Peter Kench (Staff)
Warren Reed (Students)

Postgraduate coursework program in Medical Sonography

Sonography Coordinator

Ms Jillian Clarke

Postgraduate research programs

Research Coordinator

Associate Professor Jenny Cox

Further information on research degrees offered by the Faculty of Health Sciences is found in Chapter 31.

Further information

Phone:+61 2 9351 9161
Website: www.fhs.usyd.edu.au/

Graduate entry programs

Admission requirements

The admission requirements for Master of Diagnostic Radiography, Master of Nuclear Medicine and Master of Radiation Therapy are as below:

- Applicant should possess a bachelor's degree in any field.
- Students must have achieved a minimum grade point average of credit level throughout their studies and entry will be on a competitive basis. Students whose undergraduate degree is health or science related are likely to be more competitive. Transcripts and other evidence will be required to confirm applicant's academic backgrounds. For more details, please contact the discipline of Medical Radiation 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.

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 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 visit 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 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

At the end of Semester 1 Year 1 and the completion of 24 credit points of study, students who meet the academic criteria may articulate into the honours program. To be eligible, students must have achieved a weighted average mark (WAM) of at least 70 per cent in their first semester of study.

Instead of choosing an elective as per the pass program, honours students will complete the specific unit of study MRSC5008 Honours Dissertation A as well as MRSC5021 Honours Dissertation B. 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 Diagnostic Radiography. 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 6 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 pass and honours are presented in Tables 24.1 and 24.1.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 24.1: Master of Diagnostic Radiography (Pass)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC131: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
MRSC5001 Professional Practice Radiography 1	6		Semester 1
MRSC5002 Medical Radiation Science 1	6		Semester 1
MRSC5003 Foundations of Health Care Practice	6		Semester 1
MRSC5026 Clinical Studies Radiography 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 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 24.3.1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5067 Evidence Based Health Care	6		Semester 1 Semester 2
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 24.1.1: Master of Diagnostic Radiography (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC132: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
As per Pass course			
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
MRSC5005 Professional Practice Radiography 2	6	**P** MRSC5001 Professional Practice Radiography 1	Semester 2
MRSC5008 Honours Dissertation A	6		Semester 2
MRSC5027 Clinical Studies Radiography 2	6	**P** MRSC5026 Clinical Studies Radiography 1	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
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 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 visit 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 is 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

At the end of Semester 1 Year 1 and the completion of 24 credit points of study, students who meet the academic criteria may articulate into the honours program. To be eligible, students must have achieved a weighted average mark (WAM) of at least 70 per cent in their first semester of study.

Instead of choosing an elective as per the pass program, honours students will complete the specific unit of study MRSC5008 Honours Dissertation A as well as MRSC5021 Honours Dissertation B. 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 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 6 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 24.2 and 24.2.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 24.2: Master of Nuclear Medicine (Pass)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC133: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
MRSC5002 Medical Radiation Science 1	6		Semester 1
MRSC5003 Foundations of Health Care Practice	6		Semester 1
MRSC5009 Professional Practice Nuclear Medicine 1	6		Semester 1
MRSC5030 Clinical Studies Nuclear Medicine 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 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 24.3.1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5067 Evidence Based Health Care	6		Semester 1 Semester 2
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 24.2.1: Master of Nuclear Medicine (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC134: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
As per Pass course			
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
MRSC5008 Honours Dissertation A	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
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
MRSC5021 Honours Dissertation B	6	**P** MRSC5008 Honours Dissertation A	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			

Master of Radiation Therapy

The MRT aims to prepare graduates who hold an undergraduate degree, for professional practice 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 visit 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 CT scans and treatment simulators, the design and calculation of the treatment technique using sophisticated 3 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

At the end of Semester 1 Year 1 and the completion of 24 credit points of study, students who meet the academic criteria may articulate into the honours program. To be eligible, students must have achieved a weighted average mark (WAM) of at least 70 per cent in their first semester of study.

Instead of choosing an elective as per the pass program, honours students will complete the specific unit of study MRSC5008 Honours Dissertation A as well as MRSC5021 Honours Dissertation B. 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 6 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 pass and honours are presented in Tables 24.3 and 24.3.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 24.3: 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			
MRSC5002 Medical Radiation Science 1	6		Semester 1
MRSC5003 Foundations of Health Care Practice	6		Semester 1
MRSC5011 Professional Practice Rad Therapy 1	6		Semester 1
MRSC5034 Clinical Studies Radiation Therapy 1	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 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 24.3.1)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
HIMT5067 Evidence Based Health Care	6		Semester 1 Semester 2
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 24.3.1: Master of Radiation Therapy (Honours)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC136: Credit points for award: 96			
On-campus: full-time, 4 semesters			
Year 1			
Semester 1			
As per Pass course			
Semester 2			
BACH5341 Research & Inquiry in Health Professions	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
MRSC5008 Honours Dissertation A	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
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
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
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

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Electives may be taken from within or outside the Faculty of Health Sciences, subject to availability, prerequisites and minimum student enrolment. Students who wish to take an elective other than those listed below must discuss their choice of elective with their academic adviser prior to enrolment. Students may choose from the following suggested pool of electives:			
AHCD5052 Indigenous Community Health	6		Semester 1 Semester 2
BACH5321 Psychology for Graduate Students	6		Semester 1 Semester 2
HIMT5023 Fundamentals of Medical Terminology	6		Semester 2
HIMT5067 Evidence Based Health Care	6		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 6 credit points may be gained by studying an approved unit from outside the University. There are no obligatory units of study in this stage of the 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 in any way 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

- Diploma in the medical radiation science field (specifically diagnostic radiography, nuclear medicine and radiation therapy); or
- submit 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 with professional accreditation in the fields of diagnostic radiography, nuclear medicine and radiation therapy, but less than a diploma qualification, will be required to:

- have at least three years recent clinical experience;
- present evidence to the head of academic unit of their ability to study at postgraduate level; and
- complete any enabling subjects that may be required by the head of academic unit.

Course outline

The course outline for the Graduate Certificate of Health Science (Medical Radiation Sciences) is presented in Table 24.4. A minimum of 12 credit points must be completed from Medical Radiation Sciences electives (listed after Table 24.6). See Chapter 32 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 24.4: Graduate Certificate of Health Science (Medical Radiation Sciences)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG024: Credit points for award: 24			
Off-campus: part-time, 2 semesters			
Year 1			
Semester 1			
Two electives [12] (see elective list below Table 24.6)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Two electives [12] (see elective list below Table 24.6)			
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 in any way 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

- Bachelor's degree in a relevant field, or
- Graduate Certificate of Health Science (Medical Radiation Sciences) from The University of Sydney, or equivalent qualification from another University, or
- Diploma of Applied Science (Medical Radiation Technology) from The University of Sydney, or equivalent qualification from another University, or
- Submit 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 of Health Science (Medical Radiation Sciences) with less than an undergraduate diploma will be required to achieve at least a credit average to be admitted to the Graduate Diploma. Should the student articulate to the higher degree, the lower level award will be relinquished.

Course outline

The course outline for the Graduate Diploma of Health Science (Medical Radiation Sciences) is presented in Table 24.5. A minimum of 18 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences elective units of study listed below. The remaining credit points may be completed from other academic units within the Faculty of Health Sciences. See Chapter 32 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 24.5: Graduate Diploma of Health Science (Medical Radiation Sciences)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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 24.6)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Two electives [12] (see elective list below Table 24.6)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
MRTY5024 **Current Issues in Medical Radiations**	6		Semester 1 Semester 2
Elective [6] (see elective list below Table 24.6)			
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 in any way 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

- Bachelor's degree in a relevant field, or
- Graduate Certificate of Health Science (Medical Radiation Sciences) from The University of Sydney, or equivalent qualification from another University, or
- Submit 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 adviser 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 Master's.

Course outline

The course outline for the Master of Health Science (Medical Radiation Sciences) by Coursework is presented in Table 24.6. A minimum of 24 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences electives. The remaining credit points may be completed from other academic units within the Faculty of Health Sciences. See Chapter 32 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 24.6: 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)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Two electives [12] (see elective list below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
MRTY5024 **Current Issues in Medical Radiations**	6		Semester 1 Semester 2
Elective [6] (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			

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	**A** Some knowledge of adult learning theory is useful	Semester 1
MRTY5030 **Advanced Radiographic Pathology**	6		Semester 1
MRTY5039 **CT Applications**	6		Semester 1
MRTY5042 **Digital Communications in Med Radiations**	6		Semester 1
MRTY5043 **Directed Studies A**	6		Semester 1
MRTY5047 **History of Medical Radiations**	6		Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
MRTY5057 Prevention and Care of Radiation Injury	6	**A** Basic biology	Semester 1
MRTY5058 Quality Management in Medical Radiations	6		Semester 1
MRTY5062 Specialised Skeletal Scintigraphy	6		Semester 1
MRTY5064 Stabilisation and Positioning	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
MRTY5107 Brachytherapy: Principles and Practice	6	**N** Not available to students who have previously completed MRTY5094 Brachytherapy Theory.	Semester 1
Semester 2			
BACH5042 Teaching Clinical Reasoning	6	**A** Some knowledge of Adult Learning theory is useful	Semester 2
MRTY5041 CT Practice II	6		Semester 2
MRTY5044 Directed Studies B	6	**P** MRTY5043 Directed Studies A	Semester 2
MRTY5054 Nuclear Cardiology	6	**A** Basic principles of nuclear medicine imaging	Semester 2
MRTY5056 Patient/Practitioner Communication	6		Semester 2
MRTY5059 Radiation Safety	6		Semester 2
MRTY5060 Radiation Therapy Tmt Planning Systems	6	**A** MRTY5038 Diagnostic Imaging for Radiation Therapists is useful but not essential	Semester 2
MRTY5063 Applied Positron Emission Tomography	6		Semester 2
MRTY5087 Advanced MR Theory	6	**P** MRTY5051 MR Theory	Semester 2
MRTY5090 Advanced Multiplanar Anatomy A	6		Semester 2
MRTY5091 Advanced Multiplanar Anatomy B	6		Semester 2
MRTY5096 Advanced Nuclear Medicine Practice	6	**A** Clinical experience in nuclear medicine	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
MRTY5100 Radiographic Image Interpretation C	6	**A** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit	Semester 2
Offered in both semesters			
BACH5002 Educational Design	6		Semester 1 Semester 2
BACH5186 Professional Development Skills	6		Semester 1 Semester 2
MRTY5024 Current Issues in Medical Radiations	6		Semester 1 Semester 2
MRTY5040 CT Practice I	6		Semester 1 Semester 2
MRTY5051 MR Theory	6		Semester 1 Semester 2
MRTY5052 MR Applications 1	6	**P** MRTY5051 MR Theory	Semester 1 Semester 2
MRTY5053 MR Applications 2	6	**P** MRTY5051 MR Theory	Semester 1 Semester 2
MRTY5097 CT for Nuclear Medicine Technologists	6	**A** Clinical experience in nuclear medicine	Semester 1 Semester 2
MRTY5106 Breast Imaging	6		Semester 1 Semester 2
Notes			
1. Units offered in both semesters are run subject to sufficient applications.			
2. For the list of Faculty electives, see Chapter 32.			

Graduate Certificate of Health Science (Medical Sonography)

The course is a two semester part-time course comprising 24 credit points, which aims to develop skills and knowledge relevant to specialists or limited scope applications of diagnostic ultrasound. It does not meet the requirements of accreditation as a sonographer. Students wishing to articulate from the Graduate Certificate to higher levels within the program must gain at least a credit average.

Students who successfully complete the Graduate Certificate program will be better able to:

- carry out sonographic procedures in their specialised field
- develop an understanding of ultrasound imaging and procedures
- apply informed critical thinking to their professional activities.

The Graduate Certificate will NOT meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR).

Admission requirements

- Diploma in a medical radiation science field (specifically diagnostic radiography, nuclear medicine and radiation therapy), or
- Submit 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 with professional accreditation in the fields of diagnostic radiography, nuclear medicine and radiation therapy, but less than a diploma qualification, will be required to:

- have at least three years recent clinical experience
- present evidence to the head of academic unit of their ability to study at postgraduate level
- complete any enabling units of study that may be required by the head of academic unit.

Course outline

The course outline for the Graduate Certificate of Health Science (Medical Sonography) is presented in Table 24.7. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 24.7: Graduate Certificate of Health Science (Medical Sonography)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SG023: Credit points for award: 24			
Off-campus: part-time, 2 semesters			
Year 1			
Semester 1			
Clinical Practice elective [4] (see note 1)			
BIOS5047 Biological Sciences	4		Semester 1
Sonography elective or elective [6] (see note 2)			
SEMESTER 1 TOTAL: 14 CREDIT POINTS			
Semester 2			
Sonography elective [6] (see note 2)			
Sonography elective or elective [4] or [6] (see note 2)			
SEMESTER 2 TOTAL: 10 CREDIT POINTS			
Notes			
1. Clinical Practice elective may be taken in Semester 1 or 2.			
2. Electives are outlined below Table 24.9. The choice of electives must be approved by the course coordinator prior to enrolment. On-campus residential may be required for some units of study.			

Graduate Diploma of Health Science (Medical Sonography)

This course provides for the development of knowledge and skills relevant to the professional practice of medical sonography. The course covers physical principles and instrumentation, professional issues encountered in the field of sonography and a wide variety of the applications of sonography. It is a four semester part-time course comprising 48 credit points, offered in an off-campus mode with on-campus blocks. Students who successfully complete the Graduate Diploma program will be better able to:

- carry out a wide range of sonographic procedures in general sonography or a specialised field
- develop competence and professional identity as a sonographer
- discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- integrate a thorough knowledge of the physical principles of ultrasound into practice for optimum outcomes
- apply informed critical thinking to their professional activities.

The Graduate Diploma is fully accredited by the Australasian Sonographers Accreditation Registry (ASAR).

Admission requirements

- Bachelor's degree in a relevant field, or
- Graduate Certificate of Health Science (Medical Sonography) from the University of Sydney*, or equivalent qualification from another University, or
- Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or equivalent qualification from another University, or
- Submit 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, and
- At least one year of relevant work experience (in the field of their undergraduate studies), and
- A condition of the course is that each student is engaged in sonography for at least 18 hours per week throughout the entire course.

** Students who entered the Graduate Certificate of Health Science (Medical Sonography) with an undergraduate Diploma or less will be required to achieve at least a credit average to be admitted to the Graduate Diploma.*

Course outline

The course outline for the Graduate Diploma of Health Science (Medical Sonography) is presented in Table 24.8. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 24.8: Graduate Diploma of Health Science (Medical Sonography)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SF052: Credit points for award: 48			
Off-campus: part-time, 4 semesters			
Year 1			
Semester 1			
Clinical Practice elective [4] (see note 1)			
BIOS5047 **Biological Sciences**	4		Semester 1
MRTY5088 **Physics and Instrumentation I**	6		Semester 1
SEMESTER 1 TOTAL: 14 CREDIT POINTS			
Semester 2			
MRTY5067 **Professional Issues**	4		Semester 2
Sonography elective [6] (see note 2)			
SEMESTER 2 TOTAL: 10 CREDIT POINTS			
Year 2			
Semester 1			
MRTY5068 **Physics and Instrumentation II**	4	**P** MRTY5088 Physics and Instrumentation I	Semester 1
Sonography elective [6] (see note 2)			
Clinical Practice elective [4]			
SEMESTER 1 TOTAL: 14 CREDIT POINTS			
Semester 2			
Sonography elective [6] (see note 2)			
Clinical Practice elective [4]			
SEMESTER 1 TOTAL: 10 CREDIT POINTS			
Notes			
1. Clinical Practice elective in Year 1 may be taken in Semester 1 or 2.			
2. Electives are outlined below Table 24.9. The choice of electives must be approved by the course coordinator prior to enrolment. On-campus residential is required in Year 1 and Year 2. Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives.			

Master of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences. This is a six semester part-time course comprising 72 credit points.

Students who successfully complete the master's program will be able to:

- carry out a range of sonographic procedures in general sonography or in their specialised field with a higher degree of ability than is expected from the accreditation level practitioner
- develop competence and professional identity as a sonographer
- integrate a thorough knowledge of the physical principles of ultrasound into practice for optimum outcomes
- investigate in detail a topic of interest
- write coherently and logically
- discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- translate their learning to the workplace and potentially take a place as a senior practitioner
- apply informed critical thinking to their professional activities.

Admission requirements

- Degree in Medical Radiation Sciences, or
- Degree in a relevant field (e.g. nursing). Such applicants may be required to make up deficiencies in identified areas of assumed knowledge (e.g. physics, medical imaging modalities, etc), or

- Submit 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, or
- The Graduate Diploma of Applied Science (Medical Ultrasonography) or Graduate Diploma of Health Science (Medical Sonography) from the University of Sydney*, or
- Equivalent qualification from another University**
- Equivalent qualification from a professional body***
- and at least one year of relevant work experience in the field of their undergraduate studies
- and be working in the field of sonography for at least 18 hours per week during at least the first two years of the course.

** Holders of the Graduate Diploma of Applied Science (Medical Ultrasonography) or the Graduate Diploma of Health Science (Medical Sonography) will receive credit transfer for 48 credit points of the master's course, and the Graduate Diploma will be relinquished on achieving the master's qualification.*

*** Applicants who have completed a University Graduate Diploma holding ASAR accreditation within 5 years, with marks of a credit average, or assessed as equivalent by the head of academic unit, and who have at least 2 years or equivalent recent graduate experience, will receive credit transfer of 36 credit points towards the master's by coursework program.*

**** Applicants who have completed a professional qualification holding ASAR accreditation within 5 years, with marks of a credit average, or assessed as equivalent by the head of academic unit, and who have at least 2 years or equivalent recent graduate experience, will receive credit transfer of 24 credit points towards the master's by coursework program.*

Course outline

The course outline for the Master of Health Science (Medical Sonography) is presented in Table 24.9. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 24.9: Master of Health Science (Medical Sonography)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC076: Credit points for award: 72			
Off-campus: part-time, 6 semesters			
Year 1			
Semester 1			
Clinical Practice elective [4] (see note 1)			
BIOS5047 **Biological Sciences**	4		Semester 1
MRTY5088 **Physics and Instrumentation I**	6		Semester 1
SEMESTER 1 TOTAL: 14 CREDIT POINTS			
Semester 2			
MRTY5067 **Professional Issues**	4		Semester 2
Sonography elective [6] (see note 2)			
SEMESTER 2 TOTAL: 10 CREDIT POINTS			
Year 2			
Semester 1			
MRTY5068 **Physics and Instrumentation II**	4	**P** MRTY5088 Physics and Instrumentation I	Semester 1
Sonography elective [6] (see note 2)			
Clinical Practice elective [4]			
SEMESTER 1 TOTAL: 14 CREDIT POINTS			
Semester 2			
Sonography elective [6] (see note 2)			
Clinical Practice elective [4]			
SEMESTER 2 TOTAL: 10 CREDIT POINTS			
Year 3			
Semester 1			
Elective or Sonography elective [6] (see note 2)			
Elective or Clinical Practice elective [4] or [6] (see note 2)			
SEMESTER 1 TOTAL: 10 CREDIT POINTS			
Semester 2			
MRTY5086 **Investigative Project**	8		Semester 1 Semester 2
Elective [6] (see note 2)			
SEMESTER 2 TOTAL: 14 CREDIT POINTS			
Notes			
1. Clinical Practice elective in Year 1 may be taken in Semester 1 or 2.			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
2. Electives are listed below. The choice of electives must be approved by the course coordinator prior to enrolment. On-campus residential is required in Year 1 and Year 2. Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives.			

Medical Sonography Electives

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Sonography electives (6 credit points)			
Semester 1			
MRTY5069 **Sonography in Obstetrics and Gynaecology**	6		Semester 1
MRTY5070 **Cardiac Sonography**	6		Semester 1
MRTY5071 **Vascular Sonography**	6		Semester 1
MRTY5072 **Independent Study in Sonography**	6		Semester 1 Semester 2
MRTY5102 **Musculoskeletal Sonography**	6		Semester 1
Semester 2			
MRTY5072 **Independent Study in Sonography**	6		Semester 1 Semester 2
MRTY5073 **Abdominal Sonography**	6		Semester 2
MRTY5074 **Superficial Structures Sonography**	6		Semester 2
MRTY5075 **Cardiac Measurement Techniques**	6		Semester 2
MRTY5076 **Paediatric Sonography**	6		Semester 2
MRTY5104 **Breast Sonography**	6		Semester 2
Clinical practice electives (4 credit points)			
Offered in both semesters			
MRTY5078 **Clinical Prac in Abdominal Sonography**	4		Semester 1 Semester 2
MRTY5079 **Clinical Prac in Ob & Gyn Sonography**	4		Semester 1 Semester 2
MRTY5080 **Clinical Prac in Superficial Str Sono**	4		Semester 1 Semester 2
MRTY5081 **Clinical Practice in Vascular Sonography**	4		Semester 1 Semester 2
MRTY5082 **Clinical Prac in Cardiac Measurements**	4		Semester 1 Semester 2
MRTY5083 **Clinical Practice in Cardiac Sonography**	4		Semester 1 Semester 2
MRTY5084 **Clinical Prac in Paediatric Sonography**	4		Semester 1 Semester 2
MRTY5085 **Clinical Practice in Independent Study**	4		Semester 1 Semester 2
MRTY5103 **Clinical Prac in Musculoskeletal Sono**	4		Semester 1 Semester 2
MRTY5105 **Clinical Practice in Breast Sonography**	4		Semester 1 Semester 2
Electives (4 or 6 credit points)			
Choose from the following:			
BACH5085 **Clinical Teaching and Supervision**	6	**A** Some knowledge of adult learning theory is useful	Semester 1
BACH5298 **History and Philosophy of Science**	6	*Not available to Doctor of Health Science students*	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
MRTY5043 **Directed Studies A**	6		Semester 1
MRTY5044 **Directed Studies B**	6	**P** MRTY5043 Directed Studies A	Semester 2
or			
Elective or research elective (see Chapter 32 for descriptions), subject to approval by program coordinator.			
or			
Medical Radiation Sciences elective units of study (see elective list below Table 24.6), subject to approval by program coordinator.			
or (see note 1 below)			
MRTY5067 **Professional Issues**	4		Semester 2
MRTY5088 **Physics and Instrumentation I**	6		Semester 1
Notes			
1. MRTY5067 and MRTY5088 are core units for the graduate diploma/master's degree. However, they are available as electives for the graduate certificate course.			
2. Some electives offered may depend on sufficient enrolments.			

25. 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 a relevant 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 satisfactory complete an English proficiency assessment prior to professional practice or fieldwork placements.

Admission requirements

To qualify for admission applicants will:

- have achieved at least a credit grade average in their undergraduate degree studies, and
- possess a relevant undergraduate degree from an institution recognised by the University of Sydney. Relevance implies that at least 40 per cent of the content of the applicant's undergraduate degree will be relevant to the field of occupational therapy. For applicants whose undergraduate degree has less than 40 per cent relevant content, entry may be possible through successful completion of undergraduate units in areas of relevance.
- Applicants must demonstrate successful completion of units in
  i) behavioural sciences and
  ii) human anatomy or human physiology or neuroscience.

Note: Students are commonly advised to complete Year 1 of the Bachelor of Applied Science (Occupational Therapy) course at the University of Sydney.

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 and 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 whose prior undergraduate education contained limited behavioural or biomedical sciences content may be ineligible for direct entry. Further studies may be required before commencing the course. Students are advised to seek advice as early as possible to enable any required studies to be completed prior to the commencement of the course.
4. Students will be expected to demonstrate competence in computing skills, particularly word processing and internet searching skills from the beginning of the course.

Honours

At the end of Year 1 (48 credit points) students with academic performance that meets the criteria are able to apply to transfer to an honours degree. The Master of Occupational Therapy 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 Occupational Therapy and have achieved at least a weighted average mark of 70 per cent in Year 1 coursework. Students who have achieved this level of performance may apply to have their enrolment transferred to the honours degree. 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.

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 outlines for the new Master of Occupational Therapy and Master of Occupational Therapy (Honours) programs are presented in Tables 25.1 and 25.1.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 25.1 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** OCCP5211 Fieldwork 1	Semester 1
OCCP5211 Fieldwork 1	3	**C** OCCP5216 Human Occupations, OCCP5217 OT Assessment and Planning	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
OCCP5216 Human Occupations	3	**A** Biomedical and behavioural sciences knowledge	Semester 1
OCCP5217 OT Assessment and Planning	6	**A** English and computing skills **C** OCCP5216 Human Occupations	Semester 1
OCCP5222 Psychosocial and Cognitive Strategies	6	**C** OCCP5217 OT Assessment and Planning	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP5208 Biomechanical & Sensorimotor Strategies	6	**P** OCCP5217 OT Assessment and Planning	Semester 2
OCCP5212 Fieldwork 2	3	**P** OCCP5211 Fieldwork 1 **C** OCCP5223 Reflexive Practice 1	Semester 2
OCCP5218 OT in Home and Community Environments	6	**P** OCCP5217 OT Assessment and Planning **C** OCCP5208 Biomechanical & Sensorimotor Strategies	Semester 2
OCCP5219 OT in School and Work Environments	6	**P** OCCP5217 OT Assessment and Planning, OCCP5222 Psychosocial & Cognitive Strategies **C** OCCP5208 Biomechanical & Sensorimotor Strategies	Semester 2
OCCP5223 Reflexive Practice 1	3	**C** OCCP5212 Fieldwork 2	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
OCCP5209 Evaluating OT Outcomes	3	**P** OCCP5207 Assessing Evidence for OT Practice, OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2	Semester 1
OCCP5210 Evaluating OT Programs	6	**P** OCCP5207 Assessing Evidence for OT Practice, OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5217 OT Assessment and Planning **C** OCCP5209 Evaluating OT Outcomes, OCCP5213 Fieldwork 3 (if enrolled in full-time studies)	Semester 1
OCCP5213 Fieldwork 3	6	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2	Semester 1
OCCP5228 Person - Enviromment - Occupation	6	**P** OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments, OCCP5222 Cognitive and Psychosocial Strategies	Semester 1
Elective [3]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP5214 Fieldwork 4	9	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5213 Fieldwork 3	Semester 2
OCCP5215 Fieldwork 5	9	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5213 Fieldwork 3, OCCP5214 Fieldwork 4	Semester 2
OCCP5224 Reflexive Practice 2	3	**C** OCCP5215 Fieldwork 5	Semester 2
Elective [3]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1			
Semester 1			
OCCP5211 Fieldwork 1	3	**C** OCCP5216 Human Occupations, OCCP5217 OT Assessment and Planning	Semester 1
OCCP5216 Human Occupations	3	**A** Biomedical and behavioural sciences knowledge	Semester 1
OCCP5217 OT Assessment and Planning	6	**A** English and computing skills **C** OCCP5216 Human Occupations	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5208 Biomechanical & Sensorimotor Strategies	6	**P** OCCP5217 OT Assessment and Planning	Semester 2
OCCP5218 OT in Home and Community Environments	6	**P** OCCP5217 OT Assessment and Planning **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** OCCP5211 Fieldwork 1	Semester 1
OCCP5222 **Psychosocial and Cognitive Strategies**	6	**C** OCCP5217 OT Assessment and Planning	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5212 **Fieldwork 2**	3	**P** OCCP5211 Fieldwork 1 **C** OCCP5223 Reflexive Practice 1	Semester 2
OCCP5219 **OT in School and Work Environments**	6	**P** OCCP5217 OT Assessment and Planning, OCCP5222 Psychosocial & Cognitive Strategies **C** OCCP5208 Biomechanical & Sensorimotor Strategies	Semester 2
OCCP5223 **Reflexive Practice 1**	3	**C** OCCP5212 Fieldwork 2	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3 (first offered in 2009)			
Semester 1			
OCCP5213 **Fieldwork 3**	6	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2	Semester 1
OCCP5228 **Person - Enviromment - Occupation**	6	**P** OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments, OCCP5222 Cognitive and Psychosocial Strategies	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5214 **Fieldwork 4**	9	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5213 Fieldwork 3	Semester 2
Elective [3]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 4 (first offered in 2010)			
Semester 1			
OCCP5209 Evaluating OT Outcomes [3]			
OCCP5210 Evaluating OT Programs [6]			
Elective [3]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
OCCP5215 Fieldwork 5 [9]			
OCCP5224 Reflexive Practice 2 [3]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Note			
Accelerated three year program is available. 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 25.1.1: 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			
Full-time mode			
Year 1			
As per Pass course			
Year 2			
Semester 1			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
OCCP5213 Fieldwork 3	6	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2	Semester 1
OCCP5228 Person - Enviromment - Occupation	6	**P** OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments, OCCP5222 Cognitive and Psychosocial Strategies	Semester 1
OCCP5229 Honours A: Project Development	3	**P** OCCP5207 Assessing Evidence for OT Practice **C** BACH5341 Research & Inquiry in the Health Professions	Semester 1
Elective [3]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
OCCP5214 Fieldwork 4	9	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5213 Fieldwork 3	Semester 2
OCCP5215 Fieldwork 5	9	**P** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5213 Fieldwork 3, OCCP5214 Fieldwork 4	Semester 2
OCCP5224 Reflexive Practice 2	3	**C** OCCP5215 Fieldwork 5	Semester 2
OCCP5230 Honours B: Research Analysis and Report	3	**P** OCCP5229 Honours A: Project Development, BACH5268 Developing a Research Program or BACH5341 Research & Inquiry in the Health Professions	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Years 1 - 3			
As per Pass course			
Year 4 (first offered in 2010)			
Semester 1			
BACH5341 Research & Inquiry in Health Professions [6]			
OCCP5229 Honours A: Project Development [3]			
SEMESTER 1 TOTAL: 9 CREDIT POINTS			
Semester 2			
OCCP5215 Fieldwork 5 [9]			
OCCP5224 Reflexive Practice 2 [3]			
OCCP5230 Honours B: Research Analysis and Report [3]			
SEMESTER 2 TOTAL: 15 CREDIT POINTS			
Note			
Accelerated three year program is available. Students wishing to change from part-time to full-time mode must consult with the course coordinator in advance before enrolling for Year 3.			

Master of Health Science (Occupational Therapy)

Note: *The Master of Health Science (Occupational Therapy) is no longer open to new enrolments. New students should enrol in the Master of Health Science with an Occupational Therapy stream. See Chapter 20 for further information.*

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 per cent 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 per cent Credit or better in all units of study and 75 per cent 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 indivudual applicants.

Course outline

The course outlines for the Master of Health Science (Occupational Therapy) pass and honours are presented in Tables 25.2 and 25.2.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 25.2: Master of Health Science (Occupational Therapy) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC074: Credit points for award: 48			
Off-campus: Part-time 2 to 4 semesters			
Part-time mode (no commencing students in 2009)			
Year 1			
Choose 24 credit points from:			
Topics in Theory (see note 1)			
Topics in Research (see note 2)			
Professional Practice Topics (see note 3)			
Year 2			
Choose 24 credit points from:			
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 25.2.1.			
2. Topics in Research are listed in Section B of Master of Health Science (Occupational Therapy) electives outlined below Table 25.2.1.			
3. Professional Practice Topics are listed in Section C of Master of Health Science (Occupational Therapy) electives outlined below Table 25.2.1.			

Table 25.2.1: Master of Health Science (Occupational Therapy) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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 2009)			
As per Pass course			
Year 3			
OCCP5136 Dissertation	12	**A** Normally student doing OCCP5136 Dissertation has already completed 48 credit points *Note: Department permission required for enrolment*	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 Service Delivery
3. Topics in Enhancing Human Occupation
4. Practice Topics
5. Inquiry Topics/Projects

Electives for Master of Health Science (Occupational Therapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	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 four broad topic areas:			
1. Topics in Assessment			
2. Topics in Enhancing Human Occupation			
3. Practice Topics			
4. 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			
OCCP5191 **Assessing Play: ToP to TOES**	3	**A** Moderate knowledge of normal child development *Available to MOT students*	Semester 2
OCCP5231 **Client-Centred Assessment in OT**	6		Semester 2
or			
Faculty and other research electives (see Chapter 32 for a list of electives)			
2. Topics in Enhancing Human Occupation			
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
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 instructor **C** OCCP5144 Driving Assessment and Training B *Note: Department permission required for enrolment* *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*	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 instructor **C** OCCP5143 Driving Assessment and Training A *Note: Department permission required for enrolment* *Deapartment 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*	Semester 1 Semester 2
OCCP5187 **Falls Prevention With Older People**	6	*Available to MOT students*	Semester 1
OCCP5199 **Using Water to Promote Participation**	6	*Open to MOT students*	Semester 1
OCCP5225 **Sensory Processing: Theory to Practice**	6	**A** Some paediatric experience preferred	Semester 2
OCCP5233 **Child & Adolescent Mental Health in OT**	6	**A** Knowledge of child and adolescent development	Semester 1
OCCP5234 **Computer Access & Environmental Control**	6		Semester 2
3. Practice Topics			
OCCP5226 **Assessing & Promoting Play with Children**	3	**A** Knowledge of child development *Note: Department permission required for enrolment*	Semester 2
or			
Faculty and other research electives (see Chapter 32 for a list of electives)			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
4. Inquiry Topics/Projects			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
OCCP5070 **Selected Topic**	6	*Note: Department permission required for enrolment* *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*	Semester 1 Semester 2
OCCP5185 **Selected Topic**	3	*Note: Department permission required for enrolment* *Permission required for enrolment*	Semester 1 Semester 2

26. Orthoptics

Bachelor of Health Sciences/Master of Clinical Vision Sciences

The Bachelor of Health Sciences/Master of Clinical Vision Sciences is a professional preparation course for students who aim to practise as an orthoptist or in a related area. It is designed to produce graduates with high level clinical and problem solving skills and who are aware of current research and developments in a broad range of conditions associated with the eye and visual pathways.

Graduates can work in a wide variety of settings that include treatment of people who have trouble using their eyes together as a pair, specialised assessments as part of a medical team managing people with many different disorders of the eye, screening programs to detect vision problems, especially in children and the elderly, and research programs.

Admission requirements

A UAI of 80 or above is needed for admission to the Bachelor of Health Sciences/Master of Clinical Vision Sciences course. The general admission requirements in Chapter 3 apply.

Students are required to maintain a credit average until the end of Year 2 to remain enrolled in the Bachelor of Health Sciences/Master of Clinical Vision Sciences course.

Course outline

The course outline for the Bachelor of Health Sciences/Master of Clinical Vision Sciences is presented in Tables 26.1 and 26.2. Undergraduate unit of study descriptions and a list of faculty electives are found in Chapter 19. Postgraduate units of study are described in Chapter 32.

Table 26.1: 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 SH124: Pass course; full-time, 4 years			
Year 3 (last offered in 2009)			
Semester 1			
HSBH3004 **Health, Ethics and the Law**	6		Semester 1
ORTH5044 **Professional Practice A**	6	*offered sem 1 for SH124/SH131, offered sem 2 for SC110*	Semester 1 Semester 2
ORTH5045 **Professional Practice B**	6	*offered sem 1 for SH124/SH131, offered sem 2 for SC110*	Semester 1 Semester 2
Senior BHS elective [6] (see elective list after Table 26.2)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS3063 **Project Design and Management**	6		Semester 2
ORTH5050 **Ocular Pathology**	6		Semester 2
ORTH5052 **Current Topics in CVS**	6		Semester 2
Research elective [6] (see note)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2010)			
Semester 1			
ORTH5029 Management of Refractive Error [6]			
ORTH5031 Eye Movement Disorders [6]			
ORTH5046 Neuro Orthoptics [6]			
ORTH5047 Research Project 1 [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5048 Professional Practice C [6]			
ORTH5049 Professional Practice D [6]			
ORTH5051 Research Project 2 [6]			
ORTH5053 Advanced Professional Studies [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Note			
Elective choices should be discussed with the program coordinator. A list of undergraduate faculty electives can be found in Chapter 19.			

Table 26.2: 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: Pass course; full-time, 4 years			
Year 1			
Semester 1			
HSBH1006 Foundations of Health Science	6		Semester 1
HSBH1007 Health Science and Research	6		Semester 1
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
Junior Biology elective [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 1 below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2009)			
Semester 1			
BIOS1155 Structure, Function and Disease A	6		Semester 1
ORTH2059 The Eye and Vision	6		Semester 1
ORTH5040 Binocular Vision	6		Semester 1
ORTH5041 Introduction to Professional Practice	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
BIOS1158 Structure, Function and Disease B	6		Semester 2
ORTH2060 Disability and Vision Impairment	6		Semester 2
ORTH5042 Anterior Seg & Ocular Surface Disorders	6		Semester 2
ORTH5043 Concomitant Strabismus	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2010)			
Semester 1			
ORTH5044 Professional Practice A [6]			
ORTH5045 Professional Practice B [6]			
HSBH3004 Health, Ethics and the Law [6]			
Senior BHS elective [6] (see list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5050 Ocular Pathology [6]			
ORTH5052 Current Topics [6]			
HSBH3007 Management and Project Design [6]			
Research elective [6] (see note 1 below)			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2011)			
Semester 1			
ORTH5029 Management of Refractive Error [6]			
ORTH5031 Eye Movement Disorders [6]			
ORTH5046 Neuro Optics [6]			
ORTH5047 Research Project 1 [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5048 Professional Practice C [6]			
ORTH5049 Professional Practice D [6]			
ORTH5051 Research Project 2 [6]			
ORTH5053 Advanced Professional Studies [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Senior BHS units of study (see note 2)			
HSBH3001 **Health and Indigenous Populations**	6		Semester 2
HSBH3003 **Health Service Stategy and Policy**	6		Semester 2
HSBH3006 **Research Methods in Health**	6	**P** HSBH1007 Health Science and Research or equivalent	Semester 1
HSBH3009 **International Health Project**	6		Semester 2
Notes			
1. Elective choices should be discussed with the course coordinator. A list of undergraduate faculty research electives can be found in Chapter 19.			
2. More senior BHS units of study will be offered in 2010.			

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 partially sighted people and treat children with lazy eyes.

Orthoptists assist in the assessment of patients with eye diseases and are skilled in many of the exacting diagnostic procedures related to disorders of the eye and visual system such as testing peripheral vision, ultrasonography, biometry, assisting in minor surgery and client instruction in the use of contact lenses.

The program aims to prepare graduates for registration with the Australian Orthoptic Board to be able to practice in Australia and may be completed on a full-time basis over two years or a part-time basis over four years.

Admission requirements

- Applicants must possess a bachelor's degree in a field other than orthoptics.
- If the prior bachelor's degree includes general human anatomy, physiology and psychology, the student will be eligible for admission without further study.

Students applying for the program who do not meet the admission criteria will be required to complete specific units of study on a non-award basis, prescribed by the academic unit. Students are advised to contact the academic adviser as early as possible to discuss eligibility: phone +61 2 9351 9251.

Course outline

The course outline for the Master of Orthoptics is presented in Table 26.2 and 26.3. Unit of study descriptions and a list of faculty electives are found in Chapter 32.

Table 26.3: Master of Orthoptics

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC110: Credit points for award: 96			
On-campus or off-campus: full-time, minimum 4 semesters; part-time, minimum 8 semesters			
Part-time mode			
Year 3 (last offered in 2009)			
Semester 1			
ORTH5030 **Paediatrics**	6	**P** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C *Note: Department permission required for enrolment*	Semester 1
ORTH5031 **Eye Movement Disorders**	6	**P** ORTH5040 Binocular Vision and ORTH5043 Concomitant Strabismus	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
ORTH5034 **Advanced Orthoptic Practice**	6	**P** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors *Note: Department permission required for enrolment*	Semester 2
ORTH5035 **Professional Experience 2A**	4	**P** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors, ORTH5030 Paediatrics, ORTH5031 Eye Movement Disorders *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 10 CREDIT POINTS			
Year 4 (last offered in 2010)			
Semester 1			
ORTH5032 **Geriatrics**	6	**P** ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors *Note: Department permission required for enrolment*	Semester 1
ORTH5033 **Professional Development**	6	**A** Broad body of knowledge and clinical experience in orthoptics and ophthalmology, from completing earlier units of study **P** BACH5268 Developing a Research Project or BACH5341 Research & Inquiry in Health Professions *Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
ORTH5036 **Professional Experience 2B**	4	**P** ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors *Note: Department permission required for enrolment*	Semester 2
ORTH5037 **Professional Experience 2C**	4	**P** ORTH5029 Clinical Management of Refractive Error, ORTH5032 Geriatrics, ORTH5031 Eye Movement Disorders **C** ORTH5035 Professional Experience 2A, ORTH5036 Professional Experience 2B *Note: Department permission required for enrolment*	Semester 2
ORTH5038 **Research Project**	6	**P** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors, BACH5268 Developing a Research Project or BACH5341 Research & Inquiry in Health Professions, ORTH5033 Professional Development **C** ORTH5035 Professional Experience 2A and ORTH5036 Professional Experience 2B or ORTH5037 Professional Experience 2C *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 14 CREDIT POINTS			
Notes			
ORTH5019 Special Study A is the recommended research elective unit of study.			
Part-time students may enrol in units of study that total no more than 17 credit points per semester. Selection of the units of study must take into account prerequisites between semesters and years. Students wishing to enrol in part-time mode must first discuss this with an academic adviser of the Master of Orthoptics.			

Table 26.4: Master of Orthoptics

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC110: Credit points for award: 96			
On-campus: full-time, minimum 4 semesters; part-time, minimum 8 semesters			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Full-time mode			
Year 1			
Semester 1			
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
ORTH5039 **The Eye and Visual Systems**	6		Semester 1
ORTH5040 **Binocular Vision**	6		Semester 1
ORTH5041 **Introduction to Professional Practice**	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5042 **Anterior Seg & Ocular Surface Disorders**	6		Semester 2
ORTH5043 **Concomitant Strabismus**	6		Semester 2
ORTH5044 **Professional Practice A**	6	*offered sem 1 for SH124/SH131, offered sem 2 for SC110*	Semester 1 Semester 2
ORTH5045 **Professional Practice B**	6	*offered sem 1 for SH124/SH131, offered sem 2 for SC110*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2009)			
Semester 1			
ORTH5029 **Clinical Management of Refractive Error**	6	*Note: Department permission required for enrolment in the following sessions: Semester 2 Department permission required for enrolment in semester 2. This unit is a pre-requisite of ORTH5048 Professional Practice C and ORTH5049 Professional Practice D*	Semester 1 Semester 2
ORTH5031 **Eye Movement Disorders**	6	**P** ORTH5040 Binocular Vision and ORTH5043 Concomitant Strabismus	Semester 1
ORTH5046 **Neuro Orthoptics**	6		Semester 1
ORTH5047 **Research Project 1**	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
ORTH5048 **Professional Practice C**	6	**P** ORTH5029 Clinical Management of Refractive Errors	Semester 2
ORTH5049 **Professional Practice D**	6	**P** ORTH5029 Clinical Management of Refractive Error	Semester 2
ORTH5050 **Ocular Pathology**	6		Semester 2
ORTH5051 **Research Project 2**	6		Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Part-time students may enrol in units of study that total no more than 17 credit points per semester. Selection of the units of study must take into account prerequisites between semesters and years. Students wishing to enrol in part-time mode must first discuss this with an academic adviser of the Master of Orthoptics.			

27. Physiotherapy

Enquiries regarding postgraduate courses should be directed initially to Student Central:

Phone: +61 2 9351 9161
Email: fhspginfo@usyd.edu.au

Master of Physiotherapy (Graduate Entry Master's Program)

Course coordinators
Ms Angela Stark; +61 2 9351 9549, or
Dr Colleen Canning; +61 2 9351 9263

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.

Admission requirements

To qualify for admission to this course, applicants shall possess:

1. an award of Bachelor of Applied Science (Exercise and Sport Science) from the University of Sydney, or
2. an award of Bachelor of Health Science (Health Care Science stream only) from the University of Sydney, 2007 intake, or
3. an award of Bachelor of Health Science with a Movement Science second major from the University of Sydney, 2008 intake onwards, or
4. an award of Bachelor of Exercise Science or Bachelor of Exercise Science and Rehabilitation from the University of Wollongong, or
5. an award of Bachelor of Science (Health and Sports Science) from the University of NSW, which includes completion of the elective "Brain Mechanisms in Sensory Motor Integration"; or elective "Motor Control and Dysfunction", or
6. an award of Bachelor of Exercise Science from the Australian Catholic University (Sydney Campus), which includes the elective "Motor Control and Learning", or
7. such studies as are deemed to be equivalent to (1), (2), (3), (4), (5) and/or (6).

To enter this course, the applicant shall normally have at least a credit grade average in their undergraduate degree.

The selection process will involve a review of the applicant's ability to meet the admission requirements. Where more applicants exist than number of places available, admission will be determined on the basis of merit, including the grade point average (GPA).

Clinical education

Clinical education provides students with the opportunity to complement the knowledge and skills acquired in the academic segments of the program. This is achieved through the assessment and treatment of patients in clinical settings under the supervision and guidance of clinical educators. Clinical education offers graduates the chance to integrate academic units and practical skills in a clinical setting thereby gaining experience in physiotherapy practice. Clinical education also provides opportunities for interprofessional learning. During the graduate program students are allocated to one of five clinical schools. The five schools aligned with geographical areas are Northern Sydney, Central Sydney, Southeastern Sydney, Southwest Sydney and Western Sydney. For each school, rural areas and/or outer Sydney placements are incorporated as well as private practices and community facilities, which reside in the geographical regions designated to the particular school. Students complete clinical placements at sites mainly within their clinical school. All students are required to do at least one rural and/or regional placement. There may also be opportunities for international placements.

In order to undertake clinical education students must:

1. obtain criminal record clearances
2. comply with the NSW Child Protection Act
3. comply with NSW Department of Health Policy Directives regarding immunisation and vaccination
4. comply with NSW Health Records and Information Privacy Act (2004) and complete declaration.

Information about these requirements is contained in Chapter 6, Clinical Education.

Physiotherapy practicum dates

Year 2

2 March to 3 April
13 April to 15 May
25 May to 26 June
19 October to 20 November

It is also a requirement that all physiotherapy students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown before commencing the first clinical placement in second year. For example, St John Ambulance programs on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted. CPR skills must be updated every 12 months.

Uniform requirements for clinical practice

- Navy tailored trousers (straight legs)
- White short sleeved open neck shirt or Physiotherapy polo shirt with University insignia (as supplied by the Student Guild)
- Black, or dark brown work shoes
- Navy cardigan/jumper
- Monotone coloured socks, either navy, black or white
- Approval for males and females to wear navy tailored long shorts is the clinical site's decision. It is the student's responsibility to get approval from the clinical site prior to wearing shorts. The clinical site's decision is final.

Students with special consideration due to religious or cultural circumstances can discuss changes to the uniform requirements with their practicum coordinator.

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 27.1. See Chapter 32 for unit descriptions of study and a list of faculty and research electives.

Table 27.1: 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			
BIOS5055 Neurosciences for Physiotherapists	3	**A** Basic neuroscience equivalent to BIOS1137 Introductory Neuroscience	Semester 1
BIOS5073 Functional Musculoskeletal Anatomy	3	**A** Basic musculoskeletal anatomy (about 50 hours approximating BIOS1168 Functional Musculoskeletal Anatomy A and BIOS1169 Functional Musculoskeletal Anatomy B)	Semester 1
PHTY5170 Cardiopulmonary Physiotherapy I	4	**C** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy	Semester 1
PHTY5171 Musculoskeletal Physiotherapy I	6	**C** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy	Semester 1
PHTY5172 Musculoskeletal Physiotherapy II	4	**C** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy	Semester 1
PHTY5176 Neurological Physiotherapy I	4	**C** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy	Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY5173 Scientific Practice I	3	**A** Background research methods equivalent to Designing Health Research and Analysing Quantitative/Qualitative Health	Semester 2
PHTY5174 Professional Practice I	3		Semester 2
PHTY5175 Cardiopulmonary Physiotherapy II	4	**P** PHTY5170 Cardiopulmonary Physiotherapy I	Semester 2
PHTY5177 Neurological Physiotherapy II	4	**P** PHTY5176 Neurological Physiotherapy I	Semester 2
PHTY5178 Musculoskeletal Physiotherapy III	6	**P** PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II	Semester 2
PHTY5179 Musculoskeletal Physiotherapy IV	4	**P** PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
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	Semester 1
PHTY5182 Physiotherapy Practicum III	6	**P** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV	Semester 1
PHTY5188 Professional Practice II	4		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 2
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	Semester 2
SEMESTER 2 TOTAL: 26 CREDIT POINTS			

Master of Health Science (Physiotherapy)

Postgraduate coordinator

Associate Professor Jennifer Alison; +61 2 9351 9371

Course coordinators

Cardiopulmonary Physiotherapy: Associate Professor Jennifer Alison; +61 2 9351 9371
Manipulative Physiotherapy: Dr Leslie Nicholson; +61 2 9351 9369
Neurological Physiotherapy: Dr Sharon Kilbreath; +61 2 9351 9272
Paediatric Physiotherapy: Ms Jane Butler; +61 2 9351 9265
Sports Physiotherapy: Dr Leslie Nicholson; +61 2 9351 9369

Course aims

The principal aims of the course are to produce a body of graduates:

- with advanced academic and clinical skills in cardiopulmonary physiotherapy, manipulative physiotherapy, neurological physiotherapy, paediatric physiotherapy or sports physiotherapy that promote a scientific approach to evaluation and practice;
- who will foster and develop the role of physiotherapy in health care in the specialty areas of cardiopulmonary physiotherapy, manipulative physiotherapy, neurological physiotherapy, paediatric physiotherapy or sports physiotherapy.

Admission requirements

To qualify for admission to this course applicants shall possess:

1. an award of Bachelor of Applied Science (Physiotherapy) from Cumberland College of Health Sciences or from the University of Sydney, or
2. an award of Master of Physiotherapy 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, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences, or
4. such qualifications as are deemed to be equivalent to (1), (2) or (3), or
5. other evidence of academic, general and/or professional qualifications as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, to enter this course, the applicant shall have at least two years clinical experience in physiotherapy in the area of the stream in which the applicant wishes to enrol and demonstrate ongoing participation in high quality continuing education in physiotherapy.

The Master of Health Science (Physiotherapy) provides specialist post-graduate education for physiotherapists wishing to gain qualifications at the masters level in the speciality areas of Cardiopulmonary Physiotherapy, Manipulative Physiotherapy, Neurological Physiotherapy, Paediatric Physiotherapy, or Sports Physiotherapy.

This course is composed of specified units of study totalling 48 credit points. Some units of study are offered in flexible delivery mode consisting of short on-campus block attendance and distance education. For 2009, this course is not offered for international on-campus enrolment. Units of study will be offered subject to minimum student enrolment.

Course outline

The course outline for the Cardiopulmonary Physiotherapy stream is presented in Table 27.2, the Manipulative Physiotherapy stream in Table 27.3, the Neurological Physiotherapy stream in Table 27.4, the course outline for the Paediatric Physiotherapy stream is found in Table 27.5, and the Sports Physiotherapy stream is outlined in Table 27.6. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 27.2: Master of Health Science (Physiotherapy), Cardiopulmonary Physiotherapy stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC148: Credit points for the award: 48			
Off-campus: full or part-time, 2 to 4 semesters. Some on-campus attendance will be required.			
Full-time mode (first offered in 2009)			
Semester 1			
PHTY5111 Clinical Practice A	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5121 Advanced Cardiopulmonary Physiotherapy	6	**C** PHTY5190 Evidence-Based Decision Making *Note: Department permission required for enrolment*	Semester 1
PHTY5190 Evidence-Based Decision Making	6		Semester 1
PHTY5191 Topics in Specialised Physiotherapy	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY5105 Theoretical Basis of Clinical Practice	6		Semester 2
PHTY5113 Clinical Practice B	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5163 Physiotherapy in Pulmonary Rehab	6	*Note: Department permission required for enrolment*	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
PHTY5169 **Physiotherapy Management in Acute Care**	6	*Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1 (first offered in 2009)			
Semester 1			
PHTY5121 **Advanced Cardiopulmonary Physiotherapy**	6	**C** PHTY5190 Evidence-Based Decision Making *Note: Department permission required for enrolment*	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5169 **Physiotherapy Management in Acute Care**	6	*Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5191 **Topics in Specialised Physiotherapy**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5163 **Physiotherapy in Pulmonary Rehab**	6	*Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.3: Master of Health Science (Physiotherapy), Manipulative Physiotherapy stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC148: Credit points for the award: 48			
Off-campus: full or part-time, 2 to 4 semesters. Some on-campus attendance will be required.			
Full-time mode (first offered in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5124 **Advanced Musculoskeletal Disorders A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		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			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5107 **Advanced Musculoskeletal Complex Cases**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B *In other cases departmental permission required for enrolment*	Semester 2
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5126 **Advanced Musculoskeletal Disorders B**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1 (first offered in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5124 **Advanced Musculoskeletal Disorders A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5126 **Advanced Musculoskeletal Disorders B**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5107 **Advanced Musculoskeletal Complex Cases**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B *In other cases departmental permission required for enrolment*	Semester 2
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.4: Master of Health Science (Physiotherapy), Neurological Physiotherapy stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC148: Credit points for the award: 48			
Off-campus: full or part-time, 2 to 4 semesters. Some on-campus attendance will be required.			
Full-time mode (first offered in 2009)			
Semester 1			
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5114 **Optimising Motor Performance A**	6	**A** 2 years neurology clinical experience *Note: Department permission required for enrolment*	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
Faculty elective [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5116 **Optimising Motor Performance B**	6	**A** 2 years of clinical experience in physiotherapy *Note: Department permission required for enrolment*	Semester 2
Faculty elective [6]			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1 (first offered in 2009)			
Semester 1			
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
Faculty elective [6]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
Faculty elective [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5114 **Optimising Motor Performance A**	6	**A** 2 years neurology clinical experience *Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5116 **Optimising Motor Performance B**	6	**A** 2 years of clinical experience in physiotherapy *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.5: Master of Health Science (Physiotherapy), Paediatric Physiotherapy stream

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC148: Credit points for the award: 48			
Off-campus: full or part-time, 2 to 4 semesters. Some on-campus attendance will be required.			
Full-time mode (first offered in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
PHTY5191 **Topics in Specialised Physiotherapy**	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5131 **Concepts in Paediatric Physiotherapy**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment*	Semester 2
PHTY5132 **Topics in Paediatric Physiotherapy**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1 (first offered in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5131 **Concepts in Paediatric Physiotherapy**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5191 **Topics in Specialised Physiotherapy**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHTY5132 **Topics in Paediatric Physiotherapy**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.6: Master of Health Science (Physiotherapy), Sports Physiotherapy stream

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC148: Credit points for the award: 48			
Off-campus: full or part-time, 2 to 4 semesters. Some on-campus attendance will be required.			
Full-time mode (first offered in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5103 **Musculoskeletal Sports Injuries A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 1
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5106 **Musculoskeletal Sports Injuries B**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 2
PHTY5107 **Advanced Musculoskeletal Complex Cases**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B *In other cases departmental permission required for enrolment*	Semester 2
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Part-time mode			
Year 1 (first offered in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5103 **Musculoskeletal Sports Injuries A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5106 **Musculoskeletal Sports Injuries B**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2 (first offered in 2010)			
Semester 1			
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5107 **Advanced Musculoskeletal Complex Cases**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B *In other cases departmental permission required for enrolment*	Semester 2
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Note: The following courses are no longer open to new enrolments. The information provided is for continuing students already enrolled in these programs.

Table 27.7: Master of Health Science (Cardiopulmonary Physiotherapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC086: Credit points for award: 48			
Off-campus: part-time, 2 to 4 semesters. Some on-campus block attendance will be required.			
Part-time mode			
Year 1 (no commencing students in 2009)			
Semester 1			
PHTY5121 **Advanced Cardiopulmonary Physiotherapy**	6	**C** PHTY5190 Evidence-Based Decision Making *Note: Department permission required for enrolment*	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5169 **Physiotherapy Management in Acute Care**	6	*Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
PHTY5120 **Clinical Cardiopulmonary Physiotherapy A**	6	*Note: Department permission required for enrolment*	Semester 1
PHTY5119 **Topics in Cardiopulmonary Physiotherapy**	6	*Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5123 **Clinical Cardiopulmonary Physiotherapy B**	6	*Note: Department permission required for enrolment*	Semester 2
PHTY5163 **Physiotherapy in Pulmonary Rehab**	6	*Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.8: Master of Health Science (Manipulative Physiotherapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC085: Credit points for award: 48			
Part-time, 4 semesters			
Part-time mode			
Years 1 (no commencing students in 2009)			
Semester 1			
BIOS5089 Advanced Musculoskeletal Anatomy	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5124 Advanced Musculoskeletal Disorders A	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 Theoretical Basis of Clinical Practice	6		Semester 2
PHTY5126 Advanced Musculoskeletal Disorders B	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
PHTY5125 Clinical Manipulative Physiotherapy A	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A *Note: Department permission required for enrolment*	Semester 1
PHTY5190 Evidence-Based Decision Making	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5107 Advanced Musculoskeletal Complex Cases	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B *In other cases departmental permission required for enrolment*	Semester 2
PHTY5128 Clinical Manipulative Physiotherapy B	6	**P** BIOS5089 Advanced Musculoskeletal, Anatomy or PHTY5101 Advanced Anatomy and Biomechanics, PHTY5124 Advanced Musculoskeletal Disorders A, PHTY5125 Clinical Manipulative Physiotherapy A **C** PHTY5107 Advanced Musculoskeletal Complex Cases, PHTY5126 Advanced Musculoskeletal Disorders B *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.9: Master of Health Science (Neurological Physiotherapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC088: Credit points for award: 48			
Off-campus: part-time, 2 to 4 semesters. Some on-campus block attendance will be required.			
Part-time mode			
Year 1 (no commencing students in 2009)			
Semester 1			
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
Approved Faculty elective [6]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5116 **Optimising Motor Performance B**	6	**A** 2 years of clinical experience in physiotherapy *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
PHTY5114 **Optimising Motor Performance A**	6	**A** 2 years neurology clinical experience *Note: Department permission required for enrolment*	Semester 1
PHTY5115 **Clinical Neurological Physiotherapy A**	6	**A** 2 years neurology clinical experience *Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5118 **Clinical Neurological Physiotherapy B**	6	**A** 2 years neurology clinical experience *Note: Department permission required for enrolment*	Semester 2
Approved Faculty elective [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.10: Master of Health Science (Paediatric Physiotherapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC087: Credit points for award: 48			
Off-campus: part-time, 2 to 4 semesters			
Part-time mode			
Year 1 (no commencing students in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5131 **Concepts in Paediatric Physiotherapy**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
PHTY5129 **Topics in Paediatric Physiotherapy A**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment*	Semester 1
PHTY5130 **Clinical Paediatric Physiotherapy A**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment*	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			
PHTY5132 **Topics in Paediatric Physiotherapy**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment in the following sessions: Semester 1*	Semester 1 Semester 2
PHTY5133 **Clinical Paediatric Physiotherapy B**	6	**A** 2 years paediatric physiotherapy clinical experience **P** PHTY5129 Topics in Paediatric Physiotherapy A *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Note			
Students may enrol in PHTY5132 Topics in Paediatric Physiotherapy or an approved elective subject to the approval from the course coordinator.			

Table 27.11: Master of Health Science (Physiotherapy)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC092: Credit points for award: 48			
Part-time, 2 to 4 semesters. Some on-campus block attendance will be required.			
Part-time mode			
Year 1 (no commencing students in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
Elective [6] (see List B below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
PHTY5111 **Clinical Practice A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 2* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
Elective [6] (see List A below)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5113 **Clinical Practice B**	6	**P** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **C** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream)) OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) *Note: Department permission required for enrolment in the following sessions: Semester 1* *Pre and co-requisites will depend upon the stream in which the student is enrolled.*	Semester 1 Semester 2
Elective [6] (see List B below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Master of Health Science (Physiotherapy) Electives			
List A			
Semester 1 (6 credit points)			
PHTY5121 **Advanced Cardiopulmonary Physiotherapy**	6	**C** PHTY5190 Evidence-Based Decision Making *Note: Department permission required for enrolment*	Semester 1
PHTY5164 **Ultrasound for Physiotherapists**	6	*Note: Department permission required for enrolment*	Semester 1
Approved Faculty and other electives			

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
List B			
Semester 2 (12 credit points)			
PHTY5107 **Advanced Musculoskeletal Complex Cases**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B *In other cases departmental permission required for enrolment*	Semester 2
PHTY5116 **Optimising Motor Performance B**	6	**A** 2 years of clinical experience in physiotherapy *Note: Department permission required for enrolment*	Semester 2
PHTY5131 **Concepts in Paediatric Physiotherapy**	6	**A** 2 years paediatric physiotherapy clinical experience *Note: Department permission required for enrolment*	Semester 2
PHTY5134 **Therapy in Disorders of the Hand**	6	**A** Graduate experience in hand therapy as a qualified physiotherapist or occupational therapist *Note: Department permission required for enrolment* *Department permission required for enrolment.*	Semester 2
Approved Faculty and other electives			

Table 27.12: Master of Health Science (Sports Physiotherapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC090: Credit points for award: 48			
Part-time, 4 semesters			
Part-time mode			
Year 1 (no commencing students in 2009)			
Semester 1			
BIOS5089 **Advanced Musculoskeletal Anatomy**	6	**P** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk	Semester 1
PHTY5103 **Musculoskeletal Sports Injuries A**	6	**C** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5105 **Theoretical Basis of Clinical Practice**	6		Semester 2
PHTY5106 **Musculoskeletal Sports Injuries B**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 1			
PHTY5104 **Clinical Sports Physiotherapy A**	6	**C** PHTY5103 Musculoskeletal Sports Injuries A or PHTY5124 Advanced Musculoskeletal Disorders A, and (BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics) *Note: Department permission required for enrolment*	Semester 1
PHTY5190 **Evidence-Based Decision Making**	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5107 **Advanced Musculoskeletal Complex Cases**	6	**P** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B *In other cases departmental permission required for enrolment*	Semester 2
PHTY5108 **Clinical Sports Physiotherapy B**	6	**P** PHTY5103 Musculoskeletal Sports Injuries A **C** PHTY5106 Musculoskeletal Sports Injuries B or PHTY5126 Advanced Musculoskeletal Disorders B, and BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 27.13: Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC105: Credit points for award: 72			
Part-time, 6 to 7 semesters (duration depends on when units of study are offered)			
Part-time mode			
Years 1 and 2 (no commencing students in 2009)			
See Table 27.12 (Sports Physiotherapy) OR Table 27.8 (Manipulative Physiotherapy)			
Year 3			
Semester 1			
PHTY5155 **Clinical Manipulative Physiotherapy C**	12	**A** This unit is only available to students who have completed all requirements for the MHlthSc (Sports Physiotherapy) *Note: Department permission required for enrolment*	Semester 1
or			
PHTY5157 **Clinical Sports Physiotherapy C**	12	**A** This unit of study is available only to students who have completed all requirements for the MHlthSc (Manipulative Physiotherapy) *Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
PHTY5156 **Clinical Manipulative Physiotherapy D**	12	**A** This unit of study is available only to students who have completed all requirements for the MHlthSc (Sports Physiotherapy) **C** PHTY5155 Clinical Manipulative Physiotherapy C *Note: Department permission required for enrolment*	Semester 2
or			
PHTY5158 **Clinical Sports Physiotherapy D**	12	**A** This unit of study is available only to students who have completed all requirements for the MHlthSc (Manipulative Physiotherapy) *Note: Department permission required for enrolment*	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

28. Rehabilitation Counselling

Bachelor of Health Sciences/Master of Rehabilitation Counselling

The Bachelor of Health Sciences/Master of Rehabilitation Counselling is a combined degree that provides a professional qualification in Rehabilitation Counselling. Students are required to complete 96 credit points in the Bachelor of Health Sciences and 96 credit points in the Master of Rehabilitation Counselling. Master of Rehabilitation Counselling units are begun in the second year of the undergraduate degree.

This combined degree aims to produce a graduate who will function as a high quality practitioner providing 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 also work as human resource managers and private rehabilitation consultants. Supervised practical experience in work settings ensures students make vital links with industry. At the conclusion of the course, students will be eligible to apply for membership of the Rehabilitation Counselling Association of Australasia and the Australian Society of Rehabilitation Counsellors.

Admission requirements

A UAI of 80 or above is needed for admission to the Bachelor of Health Sciences/Master of Rehabilitation Counselling course. The general admission requirements in Chapter 3 apply. Students are required to maintain a credit average until the end of Year 2 to remain enrolled in the Bachelor of Health Sciences/Master Rehabilitation Counselling course.

Course outline

The course outline for the Bachelor of Health Sciences/Master of Rehabilitation Counselling course is presented in Tables 28.1 and 28.2. Descriptions of the undergraduate units of study and a list of faculty and research electives are found in Chapter 19 while postgraduate unit descriptions and elective lists are in Chapter 32.

Table 28.1: 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 SH126: Pass course; full-time, 4 years			
Year 3 (last offered in 2009)			
Semester 1			
HSBH3004 Health, Ethics and the Law	6		Semester 1
REHB5075 Avocational Rehab Management	6	**N** REHB3039 Avocational Rehabilitation	Semester 1
REHB5076 Introductory Rehabilitation Counselling	6	**N** REHB5043 Rehabilitation Counselling A	Semester 1
Elective [6] (see note below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB3063 Disability, Work and Quality of Life	6	*This is a faculty wide elective for sem 1, and a core unit for sem 2 for the BHS/MRC*	Semester 1 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
REHB5074 Professional Practice A	6	**A** University of Sydney Code of Conduct **N** REHB5048 Field Experience I, REHB5054 Field Experience II *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*	Semester 1 Semester 2
Research elective [6] (see note below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (last offered in 2010)			
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 Work Injury and Disability	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
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	Semester 1
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 *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 2
REHB5081 **Rehab Counselling Dissertation B**	6	**P** REHB5078 Rehab Counselling Dissertation A **N** REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Note			
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 19 of the handbook.			

Table 28.2: 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: Pass course; full-time, 4 years			
Year 1			
Semester 1			
HSBH1006 **Foundations of Health Science**	6		Semester 1
HSBH1007 **Health Science and Research**	6		Semester 1
PSYC1001 **Psychology 1001**	6		Semester 1 Summer Main
Junior Biology unit [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 notes 1 and 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2 (first offered in 2009)			
Semester 1			
REHB5060 **Rehabilitation Philosophy**	6	**N** REHB5045 Rehabilitation Theory	Semester 1
Master of Rehabilitation Counselling elective [6] (see MRC elective list below)			
Two electives [12] (see notes 1 and 2)			
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
Master of Rehabilitation Counselling elective [6] (see MRC elective list below)			
Two electives [12] (see notes 1 and 2)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 3 (first offered in 2010)			
Semester 1			
REHB5075 **Avocational Rehab Management**	6	**N** REHB3039 Avocational Rehabilitation	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
REHB5076 **Introductory Rehabilitation Counselling**	6	**N** REHB5043 Rehabilitation Counselling A	Semester 1
2 BHS Senior electives [12] (see BHS elective list below)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
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
REHB5074 **Professional Practice A**	6	**A** University of Sydney Code of Conduct **N** REHB5048 Field Experience I, REHB5054 Field Experience II *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*	Semester 1 Semester 2
2 BHS Senior electives [12] (see BHS elective list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 4 (first offered in 2011)			
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 Work Injury and Disability	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	Semester 1
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 *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 2
REHB5081 **Rehab Counselling Dissertation B**	6	**P** REHB5078 Rehab Counselling Dissertation A **N** REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation	Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Bachelor of Health Sciences Senior electives (see note 3)			
HSBH3001 **Health and Indigenous Populations**	6		Semester 2
HSBH3003 **Health Service Stategy and Policy**	6		Semester 2
HSBH3004 **Health, Ethics and the Law**	6		Semester 1
HSBH3006 **Research Methods in Health**	6	**P** HSBH1007 Health Science and Research or equivalent	Semester 1
HSBH3009 **International Health Project**	6		Semester 2
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 *Enrolment is limited to 40 students*	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			
REHB5065 **Advances in HIV/AIDS Rehabilitation**	6	**N** REHB5032 Rehabilitation and HIV/AIDS, REHB3069 HIV/AIDS: Developments in Rehabilitation *Note: Department permission required for enrolment* *Enrolment is limited to 40 students*	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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 19 of the handbook.			
2. Rehabiltation Counselling students are encouraged to take REHB2026 Fundamentals of Rehabilitation as one of their electives.			
3. Other BHS senior electives will be offered in 2010.			

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 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 via the off-campus (distance education) mode. The Master of Rehabilitation Counselling can be completed over two years full-time or longer via the off-campus (distance education) mode. In 2008, however, the courses will be offered on a part-time basis: students in the Master of Rehabilitation Counselling can accelerate their candidature in 2009 and onwards by selecting more than 12 credit points per semester.

Students wishing to articulate from the Graduate Diploma to the Master's 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

In order to qualify for admission to the Graduate Diploma in Rehabilitation Counselling course, applicants must:

1. have completed a bachelor's degree in an appropriate area other than rehabilitation counselling, or
2. submit such other evidence of general and professional qualifications and experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to undertake the coursework requirements, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty, and
3. it is desirable that applicants have had experience of at least one year in some aspect of rehabilitation, either in work or on a voluntary basis.

To qualify for direct admission to the Masters degree by Coursework in Rehabilitation Counselling, applicants must:

1. have completed a bachelor's degree in an appropriate area other than rehabilitation counselling with an overall credit average, or
2. submit such other evidence of general and professional qualifications and experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to undertake the coursework and dissertation requirements, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty, and
3. it is desirable that applicants have had experience of at least one year in some aspect of rehabilitation, either in work or on a voluntary basis.
4. Applicants who have completed the Graduate Diploma in Rehabilitation Counselling within the previous 5 years with a credit average or better, may apply to enter.

Course outline

The course outline for the graduate Rehabilitation Counselling programs are presented in Tables 28.3, 28.4 and 28.5. Unit of study descriptions and a list of faculty and research electives are found in Chapter 32.

Table 28.3: Graduate Diploma in Rehabilitation Counselling

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
REHB5070 **Vocational Development and Counselling**	6	**N** REHB5044 Vocational Development and Counselling	Semester 1
REHB5071 **Work Injury and Workers' Compensation**	6	**N** REHB5046 Work Injury and Disability	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 *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*	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			
REHB5062 **Brain Injury Rehabilitation**	6	**N** REHB5022 Acquired Brain Injury Rehabilitation, REHB3067 Acquired Brain Injury Rehabilitation	Semester 1
REHB5070 **Vocational Development and Counselling**	6	**N** REHB5044 Vocational Development and Counselling	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 *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*	Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Table 28.4: Master of Rehabilitation Counselling

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC102: Credit points for award: 72			
Off-campus: full-time, 3 semesters; part-time, 6 semesters (see note 1)			
Full-time mode (no new intake from 2008)			
Year 1			
Semester 1			
REHB5012 **Medical Aspects of Disability**	3	*Note: Department permission required for enrolment*	Semester 1 Semester 2
REHB5043 **Rehabilitation Counselling A**	3	*Note: Department permission required for enrolment*	Semester 1
REHB5044 **Vocational Development and Counselling**	3	*Note: Department permission required for enrolment*	Semester 1
REHB5045 **Rehabilitation Theory**	3	*Note: Department permission required for enrolment*	Semester 1
REHB5046 **Work Injury and Disability**	3	*Note: Department permission required for enrolment*	Semester 1
REHB5047 **Psychosocial Aspects of Disability**	3	*Note: Department permission required for enrolment*	Semester 1 Semester 2
REHB5048 **Field Experience I**	3	*Note: Department permission required for enrolment*	Semester 1 Semester 2
Coursework electives [3] (see note 6)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
REHB5049 **Rehabilitation Counselling B**	3	**P** REHB5043 Rehabilitation Counselling A *Note: Department permission required for enrolment*	Semester 2
REHB5050 **Client Assessment and Job Placement**	3	**P** REHB5044 Vocational Development and Counselling *Note: Department permission required for enrolment*	Semester 2
REHB5051 **Rehabilitation and Case Management**	3	**P** REHB5044 Vocational Development and Counselling *Note: Department permission required for enrolment*	Semester 2
REHB5052 **Legal Aspects of Rehabilitation**	3	*Note: Department permission required for enrolment*	Semester 2
REHB5053 **Workers Compensation and Rehabilitation**	3	*Note: Department permission required for enrolment*	Semester 1 Semester 2
REHB5054 **Field Experience II**	3	**P** REHB5048 Field Experience I *Note: Department permission required for enrolment*	Semester 1 Semester 2
Coursework electives [6] (see note 6)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
Year 2			
Semester 1			
REHB5059 **Dissertation**	18	*Note: Department permission required for enrolment*	Semester 1
Research elective [6] (see note 5)			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Part-time mode (no new intake from 2008)			
Year 3 (on completion of all other coursework units)			
Semester 1			
REHB5057 **Dissertation A**	9	*Note: Department permission required for enrolment*	Semester 1 Semester 2
SEMESTER 1 TOTAL: 9 CREDIT POINTS			
Semester 2			
REHB5058 **Dissertation B**	9	*Note: Department permission required for enrolment*	Semester 1 Semester 2
Research elective [6] (see note 5)			
SEMESTER 2 TOTAL: 15 CREDIT POINTS			
Notes			
1. Entry is in Semester 1 or 2. Part-time students may select from the total units offered, keeping in mind that some Semester 1 units are prerequisites for some Semester 2 units (as outlined below).			
2. REHB5043 Rehabilitation Counselling A is a prerequisite to REHB5049 Rehabilitation Counselling B.			

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
3. REHB5044 Vocational Development and Counselling is a prerequisite to REHB5050 Client Assessment and Job Placement and to REHB5051 Rehabilitation and Case Management.			
4. REHB5048 Field Experience I includes two 5-week (total 385 hours) block placements at separate agencies. Placements are organised through the Rehabilitation Counselling Clinical Coordinator.			
5. Students select one of the research elective units in consultation with the program coordinator. Some units are offered in Semester 1 and others in Semester 2. For the list of research electives, see chapter 34.			
6. Students choose from the following coursework electives:			
Coursework electives			
The offering of these electives will depend on availability of staff and student demand. To complete the requirements of the Graduate Diploma in Rehabilitation Counselling or Master of Rehabilitation Counselling course you are required to complete nine (9) credit points of electives. In addition to the electives listed here, electives available in the Faculty of Health Sciences are detailed in Chapter 32 of this Handbook. Students must discuss their enrolment in electives that differ from those listed below with their Rehabilitation Counselling academic adviser prior to enrolment. At least one (1) Group A unit must be completed.			
Group A			
Semester 1			
REHB5014 **Rehabilitation and Substance Abuse**	3	*Note: Department permission required for enrolment*	Semester 1
REHB5022 **Acquired Brain Injury Rehabilitation**	3	*Note: Department permission required for enrolment*	Semester 1
REHB5034 **Rehabilitation and PTSD**	3	*Note: Department permission required for enrolment*	Semester 1
Semester 2			
REHB5016 **Rehabilitation of Public Offenders**	3	*Note: Department permission required for enrolment*	Semester 2
REHB5042 **Psychiatric Rehabilitation**	3	*Note: Department permission required for enrolment*	Semester 2
Group B			
AHCD5002 **Program Planning and Evaluation**	6		Semester 1
AHCD5052 **Indigenous Community Health**	6		Semester 1 Semester 2

Table 28.5: Master of Rehabilitation Counselling

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
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
REHB5075 **Avocational Rehab Management**	6	**N** REHB3039 Avocational Rehabilitation	Semester 1
REHB5076 **Introductory Rehabilitation Counselling**	6	**N** REHB5043 Rehabilitation Counselling A	Semester 1
Master of Rehabilitation Counselling elective [6] (see list below)			
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
REHB5074 **Professional Practice A**	6	**A** University of Sydney Code of Conduct **N** REHB5048 Field Experience I, REHB5054 Field Experience II *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*	Semester 1 Semester 2
Master of Rehabilitation Counselling elective [6] (see list below)			
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

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 Work Injury and Disability	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	Semester 1
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 *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 2
REHB5081 **Rehab Counselling Dissertation B**	6	**P** REHB5078 Rehab Counselling Dissertation A **N** REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation	Semester 2
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 (first offered in 2010)			
Semester 1			
REHB5075 **Avocational Rehab Management**	6	**N** REHB3039 Avocational 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 3 (first offered in 2011)			
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 Work Injury and Disability	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			
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 *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*	Semester 1 Semester 2
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	Semester 1
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 2
REHB5081 **Rehab Counselling Dissertation B**	6	**P** REHB5078 Rehab Counselling Dissertation A **N** REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation	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 *Enrolment is limited to 40 students*	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			
REHB5065 **Advances in HIV/AIDS Rehabilitation**	6	**N** REHB5032 Rehabilitation and HIV/AIDS, REHB3069 HIV/AIDS: Developments in Rehabilitation *Note: Department permission required for enrolment* *Enrolment is limited to 40 students*	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.			

Field experience and professional practice

Field experience is an essential component in the overall process of developing professional competence and identity as a rehabilitation counsellor. It not only provides students with an opportunity to apply, integrate, reinforce and assess theoretical learning but also allows them to appreciate the way in which rehabilitation counsellors and other allied professionals contribute to the effectiveness of the rehabilitation process. Field placements are provided in a wide variety of rehabilitation and related health, welfare, vocational and independent living services in both the public and private sectors. The objectives of field experience are that the students be provided with opportunities to:

- develop competence and professional identity as rehabilitation counsellors
- integrate theory taught at the University with practice learnt in the field. Field experience provides the context where all segments of the coursework merge and gain meaning
- develop an understanding of the values and principles of rehabilitation counselling practice as applied in different fields/levels of service provision
- develop knowledge and skills in various rehabilitation counselling methods and related activities under the guidance, supervision and support of experienced practitioners in the service delivery environment
- develop confidence, independence and autonomy as practitioners.

These objectives are fulfilled by placement blocks of supervised field practice complemented by supporting seminars, tutorials and agency visits. At least one placement is to be supervised by a

practising/qualified rehabilitation counsellor. Graduate Diploma and Master (Rehabilitation Counselling) students are required to complete 385 hours. This includes two field placements at separate agencies.

Fieldwork placements will usually occur during normal working hours of professional rehabilitation counsellors - approximately 9.00am to 5.00pm Monday to Friday. If these times are unsuitable for a student, it is the responsibility of the student to find an alternative placement agency and to have the agency and the terms of the placement endorsed by the Professional Practice coordinators.

Various camps will also be offered to students through the semester to attend. These are live in placements over a one week period.

Attendance at various seminars, conferences and Rehabilitation Counselling Vocational Assessment Clinics may also be awarded field experience credit through prior arrangement only.

29. Speech Pathology

Postgraduate Coordinator (Research Programs): Dr Leanne Togher
Postgraduate Coordinator (MSLP): Dr Kirrie Ballard

Phone: +61 2 9351 9161
Website: www.fhs.usyd.edu.au

The faculty has one of the largest programs in the discipline of speech language pathology in Australia. Together expert academics and master clinical staff in areas related to communication and speech pathology offer a mentored and a stimulating learning environment and research opportunities that are supported by the extensive facilities and resources.

Programs of study

Coursework programs

- The Graduate Diploma in Communication Disorders. This is 1-year full-time course and its curriculum is common with the first year of the Master of Speech-Language Pathology. At the end of the Graduate Diploma students can either graduate or articulate into Year 2 of the MSLP. Graduates of the Graduate Diploma (CommDis) are not qualified to practise as a speech pathologist.
- Master of Speech Language Pathology. This is a professional entry coursework program that qualifies students to practise as speech pathologists.
- Master of Health Science (Speech-Language Pathology) (*for continuing students only*).

The Master of Speech Language Pathology (MSLP) qualifies students to practise as a speech pathologist. The MSLP is available as a full-time (2 years) or part-time (4 years) program. Students must hold a bachelor's degree in a related area 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.

The Graduate Diploma in Communication Disorders is 1-year 48 credit point, full-time course and its curriculum is common with the first year of the Master of Speech Language Pathology. At the end of the Graduate Diploma students can either graduate or articulate into Year 2 of the MSLP. Students who graduate from the Graduate Diploma in Communication Disorders will have a significant understanding of language and communication which is especially valuable for teachers who want to learn more about the diagnosis and intervention of communication disorders. Graduates of the Graduate Diploma (CommDis) are not qualified to practise as a speech pathologist.

See Chapter 31 for information on the research degrees offered by the faculty in relation to speech pathology.

Graduate Diploma in Communication Disorders

The Graduate Diploma in Communication Disorders is a one year full-time course providing the basic scientific background for speech pathology and an introduction to clinical work. In order to practise as a speech pathologist, students must do an additional year in the Master of Speech Language Pathology which provides comprehensive training in all aspects of evidenced based clinical practice in speech pathology.

At the completion of all units of study in the Graduate Diploma in Communication Disorders students can articulate into Year 2 of the Master of Speech Language Pathology. Both courses consist of lectures, seminars, practical work and student presentations along with a substantial clinical component.

This is a fee-paying course. Details of fees are available from Student Central.

Admission requirements

The prerequisite qualification for admission to the Graduate Diploma in Communication Disorders is a bachelor level degree in linguistics, health, education, or the social, physical or biological sciences or an equivalent degree. Students will have achieved a minimum grade point average of credit level in the final year of their undergraduate degree. Students must have knowledge of formal linguistics (phonology, syntax, morphology and semantics), functional linguistics (language as communication in social and cultural contexts) and skills in analysing syntax to complex clause levels using a traditional grammar.

In addition, students must have a basic understanding of phonetics and phonology and a mastery of broad phonetic transcription.

Preference will be given to students who have undertaken units of study in basic research methods and data analysis and in cognitive and developmental psychology. Students may be required to undertake qualifying study if they do not have sufficient background in both behavioural and biomedical sciences. Entry will be competitive, based on the applicant's academic record.

The selection process will involve a review of transcripts and other evidence to confirm applicants meet the background knowledge requirements. Where more applicants exist than number of places available, applicants will be shortlisted on the basis of merit, including grade point average and may be required to attend for an interview. International applicants may apply to have the interview by phone.

Curriculum structure

The curriculum incorporates 10 compulsory units of study. On successful completion of these units of study, the student may graduate or articulate to Year 2 of the Master of Speech Language Pathology.

Requirements for successful completion

Computer requirements

This course uses WebCT to supplement lectures. Guidelines for computer requirements to use this system can be found at www.usyd.edu.au/webct/student.

Computer facilities on campus give students access to WebCT. When using a home computer or a computer off-campus, the minimum computer requirements are:

- PC running Windows 98 Second Edition, 2000 or XP
- Macintosh OS9, OS X v10.1, 10.2 or 10.3
- Modem 56k bps or faster

Academic writing, referencing and understandings about plagiarism

These are required for successful study in the Graduate Diploma in Communication Disorders. If students feel concerned about their tertiary writing skills, especially if English is not their first language, undertaking study in advanced writing skills independently of this award is recommended. Use of the faculty *Guide to Presentation of Assignments*, particularly the sections on plagiarism and referencing is required. This may be found online at: www.fhs.usyd.edu.au/pdfs_docs/assign_guide.pdf.

Course outline

The Graduate Diploma in Communication Disorders is comprised of 48 credit points and is structured around 2 academic blocks and 2 clinical blocks. The clinical blocks may occur outside normal semester times. The academic program will require all students to attend in orientation week and for 13 teaching weeks in each semester.

The course outline for the Graduate Diploma in Communication Disorders is presented in Table 29.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 29.1: Graduate Diploma in Communication Disorders

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SF059: Credit points for award: 48			
On-campus: full-time, 2 semesters			
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	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			

Master of Speech Language Pathology

This program has been designed for graduates with a 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 possess:

1. the award of Bachelor of Health Science (Hearing and Speech) from the University of Sydney, or
2. such studies as are deemed to be equivalent to (1). Equivalent programs may include an undergraduate degree in linguistics, health, education, speech and hearing or the social, physical or biological sciences. Students with these degrees will need to provide details of their previous tertiary studies with their application. In particular, unit descriptions of studies in the areas of human anatomy and physiology, neuroscience, psychology and sociology, research design/statistics, phonetics and linguistics should be submitted. Coursework in these areas is preferred. Students without the requisite knowledge in each of these areas may be required to undertake qualifying units of study that may be done in a Summer School program or by enrolment in undergraduate units of study.

Applicants should normally have at least a credit grade average in their undergraduate degree.

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. Students with the requisite academic standard based on their results in Year 1 of the degree may apply to transfer into honours in Year 2.

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 (Pass) is presented in Table 29.2. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 29.2: 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	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 *This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult*	Semester 1
CSCD5029 Neurogenics 2	6	**A** CSCD5023 Swallowing and Neurogenics 1 *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*	Semester 1
CSCD5030 Professional Development 2	6	**P** CSCD5026 Professional Development 1 *This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult*	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 *Students enrolling in course codes SG034 and SC144 must seek permission from unit coordinator for enrolment. This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult*	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 *Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.*	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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	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	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	Semester 1 Semester 2
SEMESTER 2 TOTAL: 24 CREDIT POINTS			
## Year 3			
### Semester 1			
CSCD5028 **Specialist Studies 3**	6	**A** CSCD5021 Language 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2 *This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult*	Semester 1
CSCD5029 **Neurogenics 2**	6	**A** CSCD5023 Swallowing and Neurogenics 1 *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*	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
### Semester 2			
CSCD5030 **Professional Development 2**	6	**P** CSCD5026 Professional Development 1 *This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult*	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 *Students enrolling in course codes SG034 and SC144 must seek permission from unit coordinator for enrolment. This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult*	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*
Year 4			
Semester 1			
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 *Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.*	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	Semester 1 Semester 2
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
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	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: 12 CREDIT POINTS			

Master of Speech Language Pathology (Honours)

At the end of Year 1 (48 credit points) students with academic performance that meets the criteria are able to transfer to a master's honours degree. 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. Students who have achieved this level of performance may apply to have their enrolment transferred to the honours degree. 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. The course outline for the Master of Speech Language Pathology (Honours) is presented in Table 29.2.1. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 29.2.1: 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 *This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult*	Semester 1
CSCD5029 **Neurogenics 2**	6	**A** CSCD5023 Swallowing and Neurogenics 1 *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*	Semester 1
CSCD5031 **Clinical Practice 2**	6	**P** CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2, CSCD5026 Professional Development 1, CSCD5027 Clinical Practice 1 *Students enrolling in course codes SG034 and SC144 must seek permission from unit coordinator for enrolment. This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult*	Semester 1 Semester 2
CSCD5035 **Professional Development 2H**	3	**P** CSCD5026 Professional Development 1 *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*	Semester 1 Semester 2
CSCD5036 **Research in Clinical Practice 1**	3	*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*	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
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	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			

Master of Health Science (Speech-Language Pathology), off-campus

Note: The Master of Health Science (Speech-Language Pathology) is no longer open to new enrolments. Students who enrolled in 2007 or earlier should contact the course coordinator, Dr Tricia McCabe, to establish a completion plan. New students should enrol in the generic Master of Health Science with a Speech-Language Pathology stream. See Chapter 20 for further information.

In Semester 3 students are given the option of completing a unit which enables them to focus on a selected topic in speech pathology (CSCD5052 Clinical Review in Speech-Lang Pathology) or pursuing study in a related area (such as public health, health administration etc) by electing one or more units to 12 credit points from across the university.

For their final units, students will undertake a QI project within their workplace and complete an evidence based practice review of an area related to their work in the units CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research. Students who are not in the workplace can undertake their electives in this semester.

This is a fee-paying course. Details of fees are available from Student Central.

Course outline

The course outline for the Master of Health Science (Speech-Language Pathology) is presented in Table 29.3. See Chapter 32 for unit descriptions and a list of faculty and research electives.

Table 29.3: Master of Health Science (Speech-Language Pathology)

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC084: Credit points for award: 48			
Full-time, 2 semesters; part-time, 4 semesters			
The typical enrolment for this degree is part-time. Students wishing to enroll full-time should discuss their enrolment with the course coordinator.			
Part-time mode			
Year 1 (no new intake in 2009)			
Semester 2			
CSCD5051 **Trends in Speech-Language Pathology**	12	**P** CSCD5050 Scholarship in Speech-Language Pathology or BACH5341 Research and Inquiry in Health Professions	Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2			
Students choose one of the options below:			
Semester 1			
CSCD5052 **Clinical Review in Speech-Lang Pathology**	12	**P** CSCD5050 Scholarship in Speech-Language Pathology or BACH 5341 Research & Inquiry in Health Professions, CSCD5051 Trends in Speech-Language Pathology *Note: Department permission required for enrolment in the following sessions: Semester 2*	Semester 1 Semester 2
or			
Electives [12] (see note)			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
Students choose 12 credit points from the following options:			
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 *Students enrolling in degree codes SG034 and SC144 will need to seek permission from the Unit Coordinator for enrolment.*	Semester 2

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
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	Semester 1 Semester 2
Electives [12] (see note below)			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			

Note

During their course students may select a unit or units of study at master's level to a maximum of 12 credit points that are offered in distance mode from across the University, related to speech pathology practice; e.g. public health, research methods, culture and communication, etc.

30. Singapore postgraduate courses

The chapter provides detailed course information for the master's programs offered in Singapore. The off-shore (Singapore-based) programs are conducted by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. Graduates from the program will graduate with an award from the University of Sydney.

The ongoing responsibility for managing the courses lies with the Faculty of Health Sciences. The role of the Singapore Institute of Management is to provide a vehicle for implementing the courses.

Off-shore students should note that the semesters outlined in the tables and the units of study descriptions refer to the University of Sydney academic year. That is, Semester 1 is February to June and Semester 2 is July to December. All off-shore programs commence in Semester 2. Students enrolled in the off-shore programs are required to undertake the units of study in the semester designated for the off-shore curriculum (as per course outline tables).

The program structure for the masters degrees in Education and Gerontology will be four core units and four electives.

The core units will be offered as distance education units and, in addition, each core unit will have 16 hours of face-to-face contact with a content specialist. The electives are to be offered as distance education/online offerings only.

Master of Health Science (Education)

Off-shore (Singapore-based) - Not offered to commencing students in 2009

Health Science Education refers to the theory and practice of teaching and learning undertaken by health professionals in a variety of contexts across the health sciences, including undergraduate and postgraduate teaching and clinical education; staff development and continuing professional education; and, patient and community health education. Studies in this specialist area have been offered by the Faculty of Health Sciences since 1989.

The Health Science (Education) program is designed to give an additional professional qualification as a teacher facilitating student learning and as a manager of education programs, including curriculum leadership and scholarly inquiry into teaching and learning. People who enrol in this program are current or aspiring teachers from medicine and the allied health fields including nursing, physiotherapy, occupational therapy, orthoptics, communication disorders, medical radiation sciences, exercise and sports science, social work, pharmacy, podiatry, dental therapy, health information management and the complementary therapies including homoeopathy, chiropractic and acupuncture.

Teachers from across the health professions work as academics and tutors in universities and colleges, educational designers for flexible and distance delivery of learning, clinical teachers and supervisors in fieldwork settings, nurse educators and clinical nurse specialists in public and private hospitals and the armed services, managers and training officers in human resource development units and pharmaceutical and medical supply companies, education officers in professional associations, patient educators and community health educators.

The extent of the interdependence between education and health is illuminated by Tones' (1987) well known phrase "Education for Health". This succinctly captures why education is congruent with the nature of service delivery and has resulted in the professionalisation of teaching across the health sector. In keeping with the diversity of teaching possibilities, the Health Science (Education) program is designed to enable career portability between the different fields of education; in turn, this promotes common cause amongst educators across the health arena. The curriculum is conceptualised around a professional practice model of teaching derived from the key roles an educator has in any educational institution or health service organisation, and the competencies required to undertake these roles effectively through scholarship and best practice.

The course structure for this award reflects the need for educators to first understand the processes of teaching and learning from both a theoretical and practical perspective, in order to positively influence and manage educational practice in the many settings of education for health. The four core units provide a foundation in the theory of adult education and design for effective learning. The electives provide opportunities for participants to focus on streams of study relevant to the educational contexts and modes of educational delivery across the health sciences. Participants learn about teaching across four main specialties: student and clinical education, in-service and continuing education; technology based and distance education; patient and health education.

Admission requirements

In order to qualify for admission to this course, applicants shall have:

1. a bachelor's degree in a health science field or other relevant area, or
2. submit other evidence of general and professional qualifications and/or experience, as well as 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, and
3. have completed at least one year full-time practice as a health science professional. Current or recent experience in teaching is considered desirable.

Honours

Articulation into the Master of Health Science (Education) honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Education) pass course. Evidence may be required of the applicant's ability to write a critical literature review to a high standard. The dissertation will be deemed to be worth 12 credit points

and will normally be completed within one semester. Applicants should contact the unit coordinator before applying.

Course outline

The course outline for the Master of Health Science (Education) pass is presented in the Table 30.1. Units of study are described in Chapter 32.

Table 30.1: Master of Health Science (Education) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC099: Credit points for award: 48			
Part-time, 4 semesters (Semester 2 start)			
Year 1 (no new intake in 2009)			
Semester 2 (July-December)			
BACH5001 Adult Learning	6		Semester 1 Semester 2
BACH5186 Professional Development Skills	6		Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (February–June)			
BACH5002 Educational Design	6		Semester 1 Semester 2
Elective from Group 1 [6]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 2 (July–December)			
BACH5003 Facilitating Learning	6	**A** Some knowledge of adult learning theory and group dynamics useful	Semester 2
Elective from Group 2 [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (February–June)			
Two electives from Group 3 [12]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Electives			
Group 1. Choose any one elective			
BACH5085 Clinical Teaching and Supervision	6	**A** Some knowledge of adult learning theory is useful	Semester 1
BACH5153 Assessment of Learning	6	**A** Knowledge of adult learning and educational design is useful	Semester 1
BACH5336 Lecturing and Large Group Teaching	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 1
Group 2. Choose any one elective			
BACH5007 Curriculum Leadership	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 2
BACH5042 Teaching Clinical Reasoning	6	**A** Some knowledge of Adult Learning theory is useful	Semester 2
BACH5116 Building eLearning Contexts in Health	6	**A** Basic computer skills and some knowledge of adult learning theory would be useful *For staff only*	Semester 2
BACH5284 Learning in the Workplace	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 2
Group 3. Choose any two electives			
BACH5085 Clinical Teaching and Supervision	6	**A** Some knowledge of adult learning theory is useful	Semester 1
BACH5153 Assessment of Learning	6	**A** Knowledge of adult learning and educational design is useful	Semester 1
BACH5336 Lecturing and Large Group Teaching	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 1

Master of Health Science (Education) Honours

Not offered in 2009

This course offers the opportunity for educators in the health sciences who have completed the Master of Health Science (Education) to have the master's degree awarded with honours following the completion of a dissertation. 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. An honours candidate will be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 12 credit points and will normally be completed within one semester.

Course outline

The course outline for the Master of Health Science (Education) honours is presented in Table 30.1.1. Units of study are described in Chapter 32.

Table 30.1.1: Master of Health Science (Education) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC124: Credit points for award: 60			
Part-time, 1 semester			
Years 1 and 2			
As per Pass course			
Year 3 Honours			
BACH5263 Dissertation	12		Semester 1 Semester 2

Master of Health Science (Gerontology)

Off-shore (Singapore-based) – No new intake from 2009

This course offers professional development for practitioners whose work requires understanding of individual and population ageing. Graduates are equipped to occupy senior positions in management, policy, planning, education, research, clinical or other service delivery settings. The course structure reflects the need for professionals to understand the theoretical basis of gerontology and its application in specialised areas of knowledge about ageing and older people. To this end, participants undertake four core units of study and a choice of specialist electives in Gerontology (to a total of 24 credit points).

Admission requirements

In order to qualify for admission to the degree, applicants shall have:

1. a bachelor's degree in an area of occupational relevance such as the health, welfare, social or biological sciences, or
2. overseas qualifications acceptable to the faculty, or
3. other general and professional qualifications and/or experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, as may be prescribed by the faculty.

Honours

(Not offered in 2009)

Articulation into the Master of Health Science (Gerontology) honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Gerontology) pass course.

An honours candidate will normally be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. Students will complete a dissertation (BACH5263) worth 12 credit points and the dissertation will normally be completed within one or two semesters.

Course outline

The course outlines for the Master of Health Science (Gerontology) pass and Master of Health Science (Gerontology) honours are presented in Tables 30.2 and 30.2.1. Units of study are described in Chapter 32.

Table 30.2: Master of Health Science (Gerontology) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC103: Credit points for award: 48			
Part-time, 4 semesters (Semester 2 start)			
Year 1 (no new intake in 2009)			
Semester 2 (July-December)			
BACH5041 Introduction to Gerontology *This unit of study is not available in 2009*	6		Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (February-June)			
BACH5216 **Behavioural Aspects of Ageing** *This unit of study is not available in 2009*	6		Semester 1
Elective from Group 1 [6]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 2 (July–December)			
BIOS5041 **Ageing, Biology and Health**	6		Semester 2
Elective from Group 2 [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (February–June) (last offered in 2008)			
Two electives from Group 3 [12]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Electives			
Group 1. Choose any one elective			
BACH5027 **Mental Health in Later Life**	6		Semester 1 Semester 2
BACH5036 **Community Aged Care**	6		Semester 1
BACH5224 **Organisational Management**	6		Semester 1
Group 2. Choose any one elective			
BACH5001 **Adult Learning**	6		Semester 1 Semester 2
BACH5058 **Residential Care Policies and Services**	6	*Available only to students enrolled in MHlthSc (Gerontology)*	Semester 2
Group 3. Choose any two electives			
BACH5027 **Mental Health in Later Life**	6		Semester 1 Semester 2
BACH5036 **Community Aged Care**	6		Semester 1
BACH5224 **Organisational Management**	6		Semester 1

Table 30.2.1: Master of Health Science (Gerontology) Honours

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Course code SC125: Credit points for award: 60			
Part-time, 1 semester			
Years 1 and 2 (no new intake in 2009)			
As per Pass course			
Year 3 Honours			
BACH5263 **Dissertation**	12		Semester 1 Semester 2

Master of Health Science (Management)

Off-shore (Singapore-based) - Not offered to commencing students in 2009

The Master of Health Science (Management) course is offered to professionals in the health sector of Singapore. The program is designed to develop the management knowledge and skills of a range of professionals employed in the planning and delivery of health services in the Singapore context.

Admission requirements

In order to qualify for admission to this course, applicant shall have:

1. a bachelor's degree in health sciences from a recognised tertiary institution (or equivalent)
2. a minimum of three years experience in the health services of a kind acceptable to the Dean of the Faculty of Health Sciences; or such qualifications as are deemed to be equivalent to 1. above.

Honours

(Not offered in 2009)

Candidates with a 65 per cent pass or better in all units of study and a 75 per cent pass or better in at least two units of study in the Master of Health Science (Management) program may apply to complete the additional honours requirement of a dissertation.

An honours candidate will normally be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 12 credit points and will normally be completed within one or two semesters.

Course outline

The course outlines for the Master of Health Science (Management) pass and honours are presented in Tables 30.4 and 30.4.1. Units of study are described in Chapter 32.

Table 30.3: Master of Health Science (Management) Pass

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC078: Credit points for award: 48			
Part-time, 2 semesters (Semester 2 start)			
Year 1 (no new intake in 2009)			
Semester 2 (July–December)			
SING5001 Organisational and Managerial Behaviour	6		Semester 2
SING5002 Health Economics	6		Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (February–June)			
SING5003 Health Service Leadership and Change	6		Semester 1
SING5004 Accounting and Financial Management	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Year 2			
Semester 2 (July–December)			
SING5005 Health Service Marketing	6		Semester 2
SING5006 Strategic Management and Planning	6		Semester 2
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Semester 1 (February–June)			
SING5007 Managing HR and IR in the Health Sector	6		Semester 1
SING5008 Information and Decision Analysis	6		Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			

Table 30.3.1: Master of Health Science (Management) Honours

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
Course code SC079: Credit points for award: 60			
Part-time, 1 or 2 semesters			
Years 1 and 2 (no new intake in 2009)			
As per Pass course			
Year 3 (Honours)			
Semester 2 (July–December)			
SING5013 Dissertation	12		Semester 2
or			
Semester 2 (July–December)			
SING5014 Dissertation A	6		Semester 2
Semester 1 (February–June)			
SING5015 Dissertation B	6		Semester 1

31. Research degrees

Note: 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 Research/Coursework handbook.

The faculty offers a wide range of research programs in the health sciences area. The faculty's research effort is performed in six Research Groups:

- Ageing and Human Development
- Clinical and Rehabilitation Sciences
- Disability and Community
- Exercise, Health and Performance
- Health Informatics and Statistics
- Imaging and Clinical Sciences

Each of these faculty research groups conducts a wide range of research and further details may be found at: www.fhs.usyd.edu.au/research_innovation/faculty_research_groups.shtml

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 will be 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 admission to the research course.

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:

- www.usyd.edu.au/studentcentre/admissions/app_forms.shtml
- www.fhs.usyd.edu.au/pdfs_docs/app_form_research.pdf

International students apply through the University's International Office (IO). 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 full-time PhD and HScD students are covered by the scheme for four years full-time (or equivalent) and Master by Research students are covered for two years full-time (or equivalent).

For information on fees for international students, see the website: www.usyd.edu.au/internationaloffice/publications/usydintfees08.pdf.

Further enquiries

Phone: +61 2 9351 9355
Fax: +61 2 9036 7303
Email: fhs.resadmin@usyd.edu.au

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 website (www.fhs.usyd.edu.au) and follow the links to the research area of your choice.

Program aims

The PhD has two intents. One is to prepare a substantial piece of research work that represents a significant 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, 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, 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 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.

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.

Doctor of Health Science (HScD)

Note: No new intake in 2009. Open to 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.

For full details see the HScD website: www.fhs.usyd.edu.au/dhs

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 amongst 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.

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 31.1 below, units of study to suit an individual student's needs may not always be available.

The coursework component, comprising a minimum of 6 to a maximum of 8 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 31.1. 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. (Details of the examination process are found in Chapter 34 of this handbook.)

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 unit of study
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

For descriptions of these units, see Chapter 32.

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 of study
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 32.

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 per cent 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 BACH 5186 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 (Higher Degree 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 student's 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 half-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

Phone: +61 2 9351 9355
Fax: +61 2 9036 7303
Email: fhs.resadmin@usyd.edu.au

Course outline

The course outline for the Doctor of Health Science is presented in Table 31.1. Unit of study descriptions and a list of faculty electives are found in Chapter 32.

Table 31.1: 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	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
DHSC7001 **Theory in the Health Professions**	6	*Note: Department permission required for enrolment*	Semester 1
DHSC7003 **Foundations for Doctoral Studies**	6	*Note: Department permission required for enrolment*	Semester 1
One approved elective [6]			
SEMESTER 1 TOTAL: 24 CREDIT POINTS			
Semester 2			
DHSC7005 **Developing a Research Proposal**	6	**P** DHSC7003 Foundations for Doctoral Studies *Note: Department permission required for enrolment*	Semester 1 Semester 2
DHSC7006 **Leading in the Health Professions**	6	*Note: Department permission required for enrolment*	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**	6	*Note: Department permission required for enrolment*	Semester 1
DHSC7003 **Foundations for Doctoral Studies**	6	*Note: Department permission required for enrolment*	Semester 1
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 Semester 2
1 approved elective [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 2 (Coursework)			
Semester 1			
DHSC7005 **Developing a Research Proposal**	6	**P** DHSC7003 Foundations for Doctoral Studies *Note: Department permission required for enrolment*	Semester 1 Semester 2
1 approved elective [6]			
SEMESTER 1 TOTAL: 12 CREDIT POINTS			
Semester 2			
DHSC7006 **Leading in the Health Professions**	6	*Note: Department permission required for enrolment*	Semester 2
1 approved elective [6]			
SEMESTER 2 TOTAL: 12 CREDIT POINTS			
Year 3 and subsequent years (Research Thesis)			

Master of Applied Science (MAppSc)

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 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.

The proposed research topic must receive approval from the convener of the appropriate research group 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 maximum length of candidature would be four semesters full-time and eight semesters part-time.

Enrolment

Update

1. The Faculty may:
1.1 permit an applicant to enrol as a master's degree by Research candidate in one of the following Master of Applied Science areas:
1.1.1 Behavioural Science
1.1.2 Communication Sciences and Disorders
1.1.3 Education
1.1.4 Exercise and Sport Science
1.1.5 Gerontology
1.1.6 Health Information Management
1.1.7 Indigenous Community Health
1.1.8 Medical Radiation Sciences
1.1.9 Occupational Therapy
1.1.10 Orthoptics
1.1.11 Physiotherapy
1.1.12 Rehabilitation Counselling
1.1.13 Stuttering
1.2 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.
2. 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.
3. 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.
4. The Faculty may permit an applicant to enrol as a master's degree candidate if the applicant has:
4.1 Qualified for admission in terms of the admission requirements (see Section on Admission Requirements under each academic unit), OR
4.1.1 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
4.1.2 Satisfied the Faculty that the applicant can devote sufficient time to advanced study and research, AND
4.1.3 An applicant may be required to submit additional information to satisfy the head of the academic unit.

Course requirements

Update

1. *General*
1.1 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.
1.2 A candidate shall be eligible for admission to the degree of Master of Applied Science if the candidate:
1.2.1 undertakes the prescribed course of study for the degree, and
1.2.2 completes the prescribed program of the research thesis which involves original investigation or review, and
1.2.3 submits and has accepted a thesis prepared under the super vision of an academic supervisor appointed by the Faculty.

2. *Minimum time*
2.1 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.
2.2 A candidate shall not normally be eligible for admission to the degree:
2.2.1 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
2.2.2 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*
3.1 A qualifying student shall complete the program within two years.
3.2 A candidate shall present for examination:
3.2.1 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
3.2.2 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*

4.1 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*

5.1 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.

5.2 The Faculty shall appoint a supervisor from the academic staff of the Faculty/University.

5.3 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*

6.1 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*

7.1 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.

Research thesis

Update

1. On completion of studies, a master's degree candidate will submit a thesis which complies with the following requirements:

1.1 The greater proportion of the work described must have been completed subsequent to initial enrolment, and

1.2 It must be a distinct contribution to the knowledge of the subject whether by original investigation or by review, and

1.3 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 three months' notice of the intention to submit the thesis.

6. Three copies of the thesis shall be prepared by the candidate.

6.1 The thesis shall be submitted to the Head, Research and Innovation Office with a certificate signed by the supervisors certifying that the form of presentation in the candidate's thesis is satisfactory.

6.2 If the head of the academic unit declines to accept the thesis, the supervisor may appeal in writing to the Higher Degree Research Subcommittee.

6.3 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 Student Sub-Subcommittee.

Examination of thesis

Update

1. The Faculty shall appoint three 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 Student Sub-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 Student Sub-Subcommittee, the examiners' reports may be released to the candidate by the relevant head of the academic unit.

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.

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.

Australian Stuttering Research Centre – SC057

Note: For continuing students only

Admission requirements

The faculty may, on the recommendation of the Director of the ASRC, admit to candidature to the degree of Master an applicant:

- who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks to proceed provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

- who, in addition, meets any other requirements for admission to a particular program that has been prescribed by the faculty.

Selection process

Students wishing to enrol in a research degree in the area of stuttering should apply for admission to candidature within the Australian Stuttering Research Centre. The ASRC will select from among the applicants who meet the entry requirements.

Master's research thesis

The ASRC utilises a collegial supervision model where the research student is a colleague encouraged to engage with staff at all levels. Constructive feedback is given at regular roundtables where students present progress papers and argue their methodologies and findings.

For enquiries contact the Director of the Centre, Professor Mark Onslow:

Phone: +61 2 9351 9061; Fax: +61 2 9351 9392
Email: m.onslow@usyd.edu.au
Website: www.fhs.usyd.edu.au/asrc

Master of Applied Science (Behavioural Science) – SC035

Note: For continuing students only

The Master of Applied Science research program allows students to gain extensive research knowledge in the disciplines of psychology, sociology, and anthropology and their application to health behaviour, and health issues. The program aims to produce health professionals who can conduct culturally relevant, scientific, and methodologically sound research. It is aimed at those who have some research experience, and who wish to further their studies by independent research. There may be a coursework component required which develops vital research skills including qualitative and quantitative data analysis, and electives chosen by the student in consultation with the supervisor to provide an interdisciplinary focus for the research thesis.

Admission requirements

In order to qualify for the Research Master's program applicants shall have:

1. bachelor's degree with a major in anthropology, sociology or psychology, or
2. a bachelor's degree in social work, or
3. an approved bachelor's degree in a health profession with satisfactory performance in Behavioural Sciences units of study, or
4. evidence of general and/or professional qualifications where the prospective candidate can satisfy the faculty that she or he possesses expertise equivalent to (1), (2), or (3).

Master of Applied Science (Communication Sciences and Disorders) – SC052

Note: For continuing students only

The Master of Applied Science course in Communication Sciences and Disorders is a research program designed to prepare individuals to pursue their career objectives as specialist clinicians, administrators, academics or researchers in the field of communication sciences and disorders. Completion of the course requires submission of an acceptable thesis.

Admission requirements

In order to qualify for admission to the degree, applicants shall possess:

- a bachelor's degree in an area of relevance such as speech pathology, psychology, linguistics, education, computer studies, audiology, from an Australian tertiary institution, or
- 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, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty.

Master of Applied Science (Education) – SC117

Note: For continuing students only

This course is designed to provide participants with the opportunity to undertake research into the process of teaching and learning in their professions. Graduates from this course will be able to undertake research in education and also contribute to research activities in their professional field.

Admission requirements

1. A bachelor's degree at honours level in a health science field or other relevant area, or
2. A bachelor's degree in a health science field or other related area, or
3. Evidence of general and professional qualifications and experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue independent research, and will: **(i)** satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty; and **(ii)** have completed at least two years full-time work in their professional field; and **(iii)** have completed a minimum of one year's full-time experience in an educational role.

Students with honours level entry can apply for advanced standing in relevant research units. All qualifying requirements must be completed before enrolment in this master's course.

Note: Applicants with a bachelor's degree at pass level must demonstrate the necessary preparation in education and research including completion of studies in education normally to the level of graduate diploma. Applicants with a bachelor's degree at honours level may be required to complete studies in education normally to the level of graduate diploma.

Master of Applied Science (Exercise and Sport Science) – SC120

Note: For continuing students only

The Master of Applied Science (Exercise and Sport Science) by Research provides the opportunity for research into specific areas of exercise and sport sciences. This research degree includes a minimal coursework component, designed specifically to facilitate the student's research progress.

Admission requirements

To qualify for admission to the Master of Applied Science (Exercise and Sport Science) program, applicants shall possess a bachelor's degree in science, medicine, physiotherapy, occupational therapy, nursing, human movement sciences, physical education or other related fields. A background in anatomy and biomechanics or physiology is essential. Students may be directed to undertake a qualifying program based on coursework offered in the Master of Exercise and Sport Science pass course.

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. Advanced Standing may be granted by the faculty for the coursework component of the Master of Applied Science (Exercise and Sport Science) degree.

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.

Master of Applied Science (Gerontology) – SC118

Note: For continuing students only

This course provides the opportunity for research in gerontology.

Admission requirements

To qualify for admission to the master degree by research in gerontology, applicants must:

1. have completed a bachelor's degree in an area of relevance such as health, welfare, social, behavioural or biological sciences, or
2. submit such other evidence of general and professional qualifications and experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue independent research.

3. satisfy such additional requirements for admission to the program, if any, as may be prescribed.

Note: Applicants who have completed an approved bachelor's degree at honours level may apply for admission to Year 2 of the program.

Master of Applied Science (Health Information Management) – SC011

Note: For continuing students only

The Faculty of Health Sciences has a firm commitment to the development of knowledge and skills appropriate to the needs of health information managers. The postgraduate programs in the discipline of health information management are therefore designed to give graduates an opportunity to pursue advanced study in areas of professional interest including information systems, organisational management and evaluation methodology.

The Master of Applied Science (Health Information Management) is largely undertaken by research thesis with minimal supplementary course work. This program gives graduates an opportunity to further develop their skills by undertaking research in a specialised area of study.

Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

- a bachelor's degree in Health Information Management or Medical Record Administration from an Australian tertiary institution, or
- an Associate Diploma in Medical Record Administration plus an approved bachelor's degree, or
- a bachelor's degree in a health science field or other related area.

Master of Applied Science (Indigenous Community Health) – SC068

Note: For continuing students only

This course provides the opportunity for research in Indigenous Community Health.

Admission requirements

- Completed bachelor's degree in an area of relevance such as health, welfare, social, behavioural or biological sciences, or
- Submit such other evidence of general and professional qualifications and experience as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue independent research.
- In addition, meet any other requirements for admission to the program as may be prescribed.

Master of Applied Science (Medical Radiation Sciences) – SC045

Note: For continuing students only

The Master of Applied Science (Medical Radiation Sciences) course is designed to provide an opportunity for research and scholarship in medical radiation sciences and aims to prepare individuals to pursue their career objectives as specialist practitioners, administrators, academics, or researchers. An important element of the program is the presentation by students on an aspect of their research at the annual faculty research forum.

Admission requirements

Applicants may enter the research master's program with any of the following requirements:

1. a bachelor's degree in an appropriate discipline from an Australian tertiary institution, or
2. a bachelor's degree in an appropriate discipline from an overseas institution equivalent to an Australian bachelor's degree, or
3. a Diploma of Applied Science and a Graduate Diploma of Health Science (Sonography), or
4. A Diploma of Applied Science and a Graduate Diploma of Health Science (Medical Radiation Sciences).

A student entering through (1), (2), (3) or (4) must also additionally be able to demonstrate a capacity to pursue graduate studies and would normally have completed a minimum of twelve months professionally relevant postgraduate experience. Applicants in the above categories, particularly for students entering through (3) or (4), may be required to complete a qualifying course program.

Admission to the course is subject to the availability of suitable supervisors in the discipline.

Master of Applied Science (Occupational Therapy) – SC008

Note: For continuing students only

The Master of Applied Science (Occupational Therapy) has an applied research thesis format supplemented with a set of enabling components. The course is designed to provide opportunity for advanced study, critical evaluation, and research in specific areas of occupational therapy. The course may be completed full-time or part-time.

Admission requirements

To qualify for admission, applicants 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. Possess such qualifications as are deemed equivalent to (1), (2) or (3) or (4), or
6. Submit such other evidence of general and/or professional qualifications as will satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

Occupational therapists without these qualifications may be admitted to candidature for the MAppSc(OT) degree by first enrolling in the MHlthSc(OT) pass course. Following completion of the equivalent of one semester of part-time enrolment, students may apply to transfer to candidature for the MAppSc(OT) degree.

Master of Applied Science (Orthoptics) – SC032

Note: For continuing students only

The Master of Applied Science (Orthoptics) is a degree designed to provide opportunities for research and scholarship in specific areas of applied visual sciences.

Admission requirements

Pass-level entry

1. a Bachelor of Applied Science in Orthoptics from the Faculty of Health Sciences, the University of Sydney, or
2. a Bachelor of Applied Science deemed to be equivalent to the above, or
3. a diploma of Applied Science in Orthoptics from Cumberland College of Health Sciences PLUS other evidence of professional development or qualifications which will satisfy the faculty that

the applicant possesses the educational preparation and capacity to pursue graduate studies, or
4. possess such qualifications as are deemed to be equivalent to (1) and/or (2) and (3).

Applicants with a Diploma of Applied Science will normally be required to complete a qualifying program as prescribed by the faculty.

Honours-level entry

Applicants who have completed an approved bachelor's degree at honours level can be admitted to the program and will not be required to complete a qualifying program. Students with an honours degree may apply for advanced standing in the research electives, enabling them to commence research in the first semester of the program.

Master of Applied Science (Physiotherapy) – SC025

Note: For continuing students only

Course aims

The Master of Applied Science (Physiotherapy) course is a research degree designed to provide an opportunity for research and scholarship in specific areas of physiotherapy.

Admission requirements

The faculty may, on the recommendation of the head of academic unit concerned, admit to candidature for a degree of Master, an applicant:

- who has completed courses appropriate to the area of study* in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.
- who, in addition, meets any other requirements for admission to a particular program that has been prescribed by the faculty.

** Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.*

Master of Applied Science (Rehabilitation Counselling) – SC023

Note: For continuing students only

This course provides the opportunity for research in the areas of rehabilitation counselling and other broader areas of rehabilitation and disability.

Admission requirements

In order to qualify for admission to the degree, applicants shall:

1. have completed a Graduate Diploma in Rehabilitation Counselling or Bachelor of Health Science (Rehabilitation Counselling), or
2. possess general and professional qualifications as will satisfy the faculty that the applicant displays the educational preparation and capacity to pursue graduate studies. In addition, the applicant shall satisfy such additional requirements for admission to the program, if any, as may be prescribed by the faculty, and
3. a minimum of one year of full-time relevant work experience in a rehabilitation setting.

Master of Communication Disorders – SC044

Note: For continuing students only

The Master of Communication Disorders is a research program designed for qualified speech pathologists who wish to develop specialisation in a particular clinical area.

The course may be taken on a full-time or part-time basis. Completion of the course requires submission of an acceptable thesis on a clinically relevant topic.

Admission requirements

In order to qualify for admission to the degree, applicants shall possess:

- a bachelor's degree in speech pathology from an Australian tertiary institution, or
- a bachelor's degree from an overseas institution equivalent to an Australian bachelor's degree in speech pathology, and
- a minimum of 12 months professionally relevant post-graduation experience.

32. Postgraduate units of study

This section contains a list of the units of study available to postgaduate 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			
AHCD5039 Health Promotion	6		Semester 1 Semester 2
AHCD5052 Indigenous Community Health	6		Semester 1 Semester 2
BACH5001 Adult Learning	6		Semester 1 Semester 2
BACH5002 Educational Design	6		Semester 1 Semester 2
BACH5007 Curriculum Leadership	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 2
BACH5022 Independent Investigation II	6	**A** Basic principles of adult learning and educational design are useful	Semester 2
BACH5027 Mental Health in Later Life	6		Semester 1 Semester 2
BACH5036 Community Aged Care	6		Semester 1
BACH5042 Teaching Clinical Reasoning	6	**A** Some knowledge of Adult Learning theory is useful	Semester 2
BACH5058 Residential Care Policies and Services	6	*Available only to students enrolled in MHlthSc (Gerontology)*	Semester 2
BACH5063 Therapies for Children and Adolescents	6	**P** BACH5313	Semester 2
BACH5085 Clinical Teaching and Supervision	6	**A** Some knowledge of adult learning theory is useful	Semester 1
BACH5116 Building eLearning Contexts in Health	6	**A** Basic computer skills and some knowledge of adult learning theory would be useful *For staff only*	Semester 2
BACH5118 Learning in Groups	6		Semester 1
BACH5138 Abnormal Psychology and Mental Health	6	**A** Undergraduate psychology	Semester 1 Semester 2
BACH5139 Behaviour Mod & Cog Behavioural Therapy	6		Semester 1
BACH5143 Counselling	6	**A** Undergraduate psychology	Semester 1 Semester 2
BACH5147 Psychology of Ageing	6		Semester 2
BACH5151 Independent Investigation I	6	**A** Basic principles of adult learning and educational design are useful	Semester 1
BACH5153 Assessment of Learning	6	**A** Knowledge of adult learning and educational design is useful	Semester 1

Unit of study	*Credit points*	*A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition*	*Session*
BACH5165 **Post Trauma Stress**	6		Semester 1
BACH5180 **Stress and Illness: Management Issues**	6		Semester 1
BACH5186 **Professional Development Skills**	6		Semester 1 Semester 2
BACH5196 **International Health and Society**	6		Semester 1 Semester 2
BACH5198 **Contemporary Issues 1**	6	**A** Previous study of psychology at undergraduate level or BACH5321 Psychology for Graduate Students	Semester 1 Semester 2
BACH5200 **Contemporary Issues 2**	6	**P** BACH5198 Contemporary Issues I	Semester 1 Semester 2
BACH5224 **Organisational Management**	6		Semester 1
BACH5284 **Learning in the Workplace**	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 2
BACH5309 **Assessment of Children and Adolescents**	6	**P** Three year undergraduate degree in psychology and BACH5313 Child and Adolescent Psychology	Semester 2
BACH5313 **Child and Adolescent Psychology**	6	**A** Previous study of psychology at undergraduate level is assumed	Semester 1 Semester 2
BACH5321 **Psychology for Graduate Students**	6		Semester 1 Semester 2
BACH5322 **Sociology for Health Professionals** *This unit of study is not available in 2009*	6		Semester 1 Semester 2
BACH5323 **Advanced Counselling Skills**	6	**A** Basic counselling skills **P** BACH5143 Counselling	Semester 1 Semester 2
BACH5324 **Psychotherapy**	6	**P** BACH5143 Counselling **C** BACH5323 Advanced Counselling Skills	Semester 2
BACH5336 **Lecturing and Large Group Teaching**	6	**A** BACH5001 Adult Learning and BACH5002 Educational Design	Semester 1
BACH5338 **Cyberpsychology and Online Health**	6		Semester 2
BACH5340 **Healthy Behaviours-Promoting Self Change**	6		Semester 2
BACH5343 **Ageing and Society**	6	**N** BACH5041	Semester 1
BIOS5041 **Ageing, Biology and Health**	6		Semester 2
BIOS5050 **Clin Oriented Musculoskeletal Anatomy**	4	*Note: Department permission required for enrolment*	Semester 1 Semester 2
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
HIMT5023 **Fundamentals of Medical Terminology**	6		Semester 2
HIMT5027 **Introduction to Epidemiology**	6		Semester 1
HIMT5067 **Evidence Based Health Care**	6		Semester 1 Semester 2
HIMT5069 **Health Care Systems**	6		Semester 1 Semester 2
HIMT5070 **Human Resource Management**	6		Semester 1
HSGS5002 **Ageing and Environmental Interaction**	6		Semester 2
MRTY5056 **Patient/Practitioner Communication**	6		Semester 2
OCCP5187 **Falls Prevention With Older People**	6	*Available to MOT students*	Semester 1
OCCP5191 **Assessing Play: ToP to TOES**	3	**A** Moderate knowledge of normal child development *Available to MOT students*	Semester 2
OCCP5226 **Assessing & Promoting Play with Children**	3	**A** Knowledge of child development *Note: Department permission required for enrolment*	Semester 2
PHTY5134 **Therapy in Disorders of the Hand**	6	**A** Graduate experience in hand therapy as a qualified physiotherapist or occupational therapist *Note: Department permission required for enrolment* *Department permission required for enrolment.*	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Faculty research electives			
AHCD5048 **Action Research**	6		Semester 2
BACH5011 **Survey Research Methods**	6		Semester 1 Semester 2
BACH5026 **Special Investigation**	6	*Note: Department permission required for enrolment* *Permission required for enrolment in this unit.*	Semester 1 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
BACH5255 **Qualitative Research Methods**	6		Semester 2
BACH5298 **History and Philosophy of Science**	6	*Not available to Doctor of Health Science students*	Semester 2
BACH5302 **Epidemiological Research**	6	**A** Previous study of Research Methods at undergraduate level	Semester 1 Semester 2
BACH5328 **Evaluating Health Interventions**	6		Semester 2
BACH5341 **Research & Inquiry in Health Professions**	6	*Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree*	Semester 1 Semester 2
DHSC7001 **Theory in the Health Professions**	6	*Note: Department permission required for enrolment*	Semester 1
DHSC7003 **Foundations for Doctoral Studies**	6	*Note: Department permission required for enrolment*	Semester 1
DHSC7005 **Developing a Research Proposal**	6	**P** DHSC7003 Foundations for Doctoral Studies *Note: Department permission required for enrolment*	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

AHCD5002
Program Planning and Evaluation

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1 **Classes:** External/distance mode **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programs/projects. Student will be also become aware of the basic skills required in the management of non-profit organisations. This is a "hands on" subject which relies on the participants' work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

AHCD5039
Health Promotion

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** 1500-2000 word critical review, 500-750 word outline, 2000-2500 word action plan, 500-1000 word promotional material **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programs/projects.

AHCD5048
Action Research

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 2 **Classes:** Off-campus web based **Assessment:** 750-1000 word proposal, 2000 word review article, various lengths reflections **Campus:** Cumberland **Mode of delivery:** On-line

Participatory action research extends knowledge and improves social practice through processes, which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting with the participation of the people affected by the practices under consideration.

AHCD5052
Indigenous Community Health

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** 2000 word focus questions, 2000 word review of a health care setting, developing an action plan, 2500 words **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study provides an introduction to the conceptual underpinning of indigenous community as an area of academic study and professional practice. The multi-disciplinary, problem orientated and participatory nature of community health will be explored in relation to the unique context of indigenous health. Student will also analyse the meaning and causation of disease and the organisational structures and management of community health through case studies in a variety of indigenous settings.

AHCD5054
Indigenous Health: Research & Evaluation

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Ms Angela Dawson **Session:** Semester 1, Semester 2 **Classes:** Distance Mode, approximately 156 hours or 12 hours per week **Assessment:** Essay and action plan **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit provides an introduction to approaches in Indigenous research and evaluation, as well as major ethical issues in Indigenous health contexts. It involves an examination of the social, economic, and political constructions of Indigenous Australia. Some of the issues

addressed include protocols, collaboration, dissemination of outcomes and their implication, questions of intellectual property, ownership, research, evaluation and development for self-determination. Particular emphasis will be placed on a critical analysis of existing research and evaluation practices and procedures as they impact and influence Aboriginal and Torres Strait Islander populations.

Textbooks
Resources are provided in print based learning packages and others are available on the Web

AHCD5060
Community Development B

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour, Ms Angela Dawson **Session:** Semester 1, Semester 2 **Classes:** Off campus **Assessment:** Negotiated learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit has been designed to give students the knowledge and skills to design, plan and evaluate community development projects. Methods of obtaining involvement for maximum benefit of communities are examined.

AHCD5070
Indigenous Primary Health Care

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Ms Angela Dawson, Dr Freidoon Khavarpour **Session:** Semester 2 **Classes:** Block mode (2 x 5 days) or distance education mode: Web based with print materials. No on-campus attendance required. **Assessment:** 1 x 2000 word critical appraisal (30%) and 1 x 2000 word essay (30%), 1x LFA outline(40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit examines key health issues and initiatives in Indigenous health from a primary health care perspective. Insights from the disciplines of epidemiology, population health and sociology are used to investigate the health needs of Indigenous communities in Australian and international settings. Modules are based on case studies in the areas of injury, diabetes, substance abuse, environmental and mental health, HIV/AIDS, diarrhoeal and vector borne diseases. A range of issues are explored including community participation, multi sectorial partnerships, self-management and self-reliance and the promotion of health and disease prevention. The unit will also give students the opportunity to develop a plan for an appropriate primary health intervention using a logical framework analysis.

AHCD5071
Contemporary Issues in Indigenous Health

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour, Ms Angela Dawson **Session:** Semester 2 **Classes:** Block mode (2 x 5 days) or distance education mode: web based with print materials. No on-campus attendance required. **Assessment:** 1 x 1500-2000 words short Discussion Paper, 1 x 700 Outline, 1 x 3000-4000 Essay **Campus:** Cumberland **Mode of delivery:** Distance Education

The aim of this unit of study is to examine the connection between inequality and health within the context of human rights and social justice in Indigenous communities in Australia and International settings. A comparative analysis of health care systems and service delivery in Indigenous and non-Indigenous settings will be also made. The unit will further discuss the ideological and philosophical issues underlying the development of Indigenous health policies in Australia and at an International level.

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 (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

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 Fran Everingham **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package, WebCT and email support **Assessment:** Planning project submitted as two assignments (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

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 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)

BACH5003
Facilitating Learning

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package, WebCT and email support. Optional weekend workshop dependent on student numbers (Saturday and Sunday) **Assumed knowledge:** Some knowledge of adult learning theory and group dynamics useful **Assessment:** Literature review, video skills practice and reflective report (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit engages new and experienced academic, clinical teachers and tutors, and community and patient educators with the opportunity to experiment with and practice the micro skills of teaching that are associated with effective learning, such as explaining, variation, questioning, demonstration and group discussion, and the micro skills of facilitation that enable students to learn from experience and construct personal and professional meaning. Participants videotape themselves practising various micro skills in their place of work or in the on campus workshop offered (subject to sufficient numbers). Participants then experience reflection as the basis for developing their "pedagogical signature" as a teacher and as a catalyst for continuing professional development. Teacher inquiry is introduced in the context of the scholarship of teaching associated with selecting and investigating the effectiveness of teaching and learning strategies.

Textbooks
Recommended:
Brookfield S, The Skilful Teacher: On Technique, Trust and Responsiveness in the Classroom, Jossey Bass, San Francisco (2006)
Brookfield S & Preskill S, Discussion As a Way of Teaching: Tools and Techniques for democratic classrooms, Jossey Bass, San Francisco (2007)
Biggs J, Teaching for Quality Learning at University (3rd ed), Open University Press, UK (2007)

BACH5007
Curriculum Leadership

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package/WebCT and email support **Assumed knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design **Assessment:** Context, briefing and discussion papers (no exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Leadership in curriculum requires: a strategic knowledge about the policy and professional context in order to build a shared curriculum platform for curriculum deliberation; the capacity to undertake critical inquiry to inform curriculum design questions; a 'clear focus on course

design with a conceptual grounding in research on student learning' (Gibbs, 1992); the ability to engage with others to theorise, design and elaborate a relevant and effective conceptual and pedagogical framework; negotiation of curriculum innovation and management of change, and dealing with accountability and continued quality through evaluation. These issues are relevant to anyone designing a program that requires a ladder of outcomes associated with some form of certification, accreditation or professional recognition whether you work in a university, health service or vocational training institution.

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 (33.3% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

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.

BACH5022
Independent Investigation II

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External distance mode: contract learning **Assumed knowledge:** Basic principles of adult learning and educational design are useful **Assessment:** Negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. This is a self-directed independent learning contract including the opportunity for negotiated assessment. Many students use this unit to undertake an extended critical review to inform an educational project or innovation in their workplace or to explore a research topic in preparation for higher degree study in the field of education. Prospective students must discuss their topic of interest with the unit coordinator prior to enrolling in this unit.

BACH5026
Special Investigation

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Independent learning; contract arrangement with supervisor **Assessment:** Negotiated learning contract **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.

BACH5027
Mental Health in Later Life

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package **Assessment:** Two assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

The unit aims to provide a broad understanding of factors affecting mental health in later life.

BACH5036
Community Aged Care

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 1 **Classes:** Distance mode **Assessment:** 3 essays **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit examines the development and implementation of community care policy for frail and disabled older people. There are 3 modules: the policy context; programs and services; community profile and analysis.

BACH5041
Introduction to Gerontology

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell email C.Russell@fhs.usyd.edu.au **Session:** Semester 1, Semester 2 **Classes:** Web-based off-campus mode **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** On-line

This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. 3 Modules: Population ageing and public policy; Understanding health and ageing; Ageing, society and professional practice.

Textbooks
www.fhs.usyd.edu.au/bach/5041

BACH5042
Teaching Clinical Reasoning

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 2 **Classes:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Some knowledge of Adult Learning theory is useful **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Participants explore theories and models 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.

BACH5058
Residential Care Policies and Services

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** Distance mode **Assessment:** 3 assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Available only to students enrolled in MHlthSc (Gerontology)

This unit provides an overview of the development and implementation of residential care policies for older Australians, explores specific issues in the delivery of residential aged care services and provides opportunity for independent inquiry.

BACH5063
Therapies for Children and Adolescents

Credit points: 6 **Teacher/Coordinator:** Prof Dianna Kenny **Session:** Semester 2 **Classes:** Contract learning **Prerequisites:** BACH5313 **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide students with an understanding of the major forms of therapy for children, adolescents and their families, research methods appropriate to their study, and an overview of current issues in working therapeutically with children and adolescents. The focus of this elective is on the mastery of the principles of learning theory, functional analysis of behaviour and behaviour management strategies. Students will be encouraged to pursue an area of special interest within the field related to their area of professional practice.

Textbooks
A manual will be provided

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 assignments, total length 6000 words equivalent **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:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Some knowledge of adult learning theory is useful **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study is concerned with exploring current theory and best practice 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. You 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.

BACH5116
Building eLearning Contexts in Health

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:** Assignment based (non exam) **Campus:** Cumberland **Mode of delivery:** On-line
Note: For staff only

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 planning, development, and evaluation of an eLearning site appropriate for their own teaching context. On completion of this unit, participants should have created an eLearning site for their own context and justified their choice of appropriate eLearning features.

BACH5118
Learning in Groups

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT and email support **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

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)

BACH5138
Abnormal Psychology and Mental Health

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1, Semester 2 **Classes:** Contract learning (Semester 1); external/distance mode (Semester 2) **Assumed knowledge:** Undergraduate psychology **Assessment:** Five case studies, literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural disorders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSM IV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules 2 and 3 will involve learning by case studies. The unit is available in distance education mode in the second semester of each year, and is taught as a series of six seminars in Semester 1 of each year. Assessment requires students to complete five case studies and conduct a literature review.

Textbooks
Barlow, Abnormal Psychology (2nd ed) (2001)

BACH5139
Behaviour Mod & Cog Behavioural Therapy

Credit points: 6 **Teacher/Coordinator:** Dr Mairwen Jones **Session:** Semester 1 **Classes:** On-campus, 2hr classes/week **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will cover the basic principles of learning theory and their applications to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students will learn about programs based on reinforcement principles, such as operant and classical conditioning, extinction, shaping, maintenance and generalisation of the behaviour, stimulus discrimination training and fading, cognitive behaviour modification and assertiveness training, a behavioural model of somatic disorders and behavioural intervention in rehabilitation. This is an on-campus, timetabled study unit.

Textbooks
Martin & Pear, Behavior Modification: What It Is and How To Do It (2000)

BACH5143
Counselling

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings, Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Class attendance required (Semester 1), distance learning (Semester 2) **Assumed knowledge:** Undergraduate psychology **Assessment:** Audio-tape, literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its emphasis on counselling in interview as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation interviews as well as crises, out-placement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling.

Textbooks
Egan G, The Skilled Helper (2001)

BACH5147
Psychology of Ageing

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris, Dr Steve Cumming **Session:** Semester 2 **Classes:** Distance: no on-campus attendance required **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit examines the psychology of late adulthood from a biopsychosocial approach. The psychological impact of changes in social, environmental, economic and relationship patterns that occur as people age are considered, as well as the psychological concomitants of the physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered in the context of healthy ageing and of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services for older adults will be highlighted.

BACH5151
Independent Investigation I

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External distance mode: contract learning **Assumed knowledge:** Basic principles of adult learning and educational design are useful **Assessment:** Negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. This is a self-directed independent learning contract including the opportunity for negotiated assessment. Many students use this unit to undertake an extended critical review to inform an educational project or innovation in their workplace or to explore a research topic in preparation for higher degree study in the field of education. Prospective students must discuss their topic of interest with the unit coordinator prior to enrolling in this unit.

BACH5153
Assessment of Learning

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT and email support **Assumed knowledge:** Knowledge of adult learning and educational design is useful **Assessment:** One online group assignment, one design report (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context. You will draw on contemporary research and best practice to design and critique assessment plans and protocols; support colleagues in the design of appropriate assessment and raise important issues for discussion; and learn to work effectively in an interdisciplinary, multi-institutional and possibly cross-cultural team to tackle assessment issues of common concern.

Textbooks
Athanasou J & Lamprianou L, The Teachers Guide to Assessment, Social Science Press, Sydney (2002)

BACH5165
Post Trauma Stress

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1 **Classes:** On-campus contract learning **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on-campus directed independent study unit.

BACH5180
Stress and Illness: Management Issues

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1 **Classes:** On-campus contract learning **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management 'packages', such as relaxation, biofeedback, cognitive restructuring and time management. This is an on-campus directed independent study unit.

Textbooks
Rice PC, Stress and Health (3rd ed), Brooks/Cole Publishing Company, Melbourne (1999)

BACH5186
Professional Development Skills

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1, Semester 2 **Classes:** Distance education with WebCT support: no on-campus attendance required **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

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. There will be flexibility in selecting assignment content to match the background and needs of the particular student. Participation in WebCT discussion forum is expected.

BACH5196
International Health and Society

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package **Assessment:** Project, assignment **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit aims to provide students with an understanding of psychosocial and political aspects of health and illness in both developed and developing countries. The unit examines the demographic, epidemiological and health transitions in these countries. It examines the impact of structural and non-structural factors on health and well-being and analyses the current health issues and health priorities in developed and developing countries. The unit also addresses health and development in the 21st century, critical issues in global health and shaping the future of health through global partnerships.

BACH5198
Contemporary Issues 1

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings, Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Distance education mode: contract learning (no on-campus attendance required) **Assumed knowledge:** Previous study of psychology at undergraduate level or BACH5321 Psychology for Graduate Students **Assessment:** Four focused inquiries **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will enable students to study in-depth four areas of special interest related to child and adolescent health and adjustment. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

Textbooks
Readings (supplied)

BACH5200
Contemporary Issues 2

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings, Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Distance education: contract learning **Prerequisites:** BACH5198 Contemporary Issues I **Assessment:** Four critical reviews **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will enable students to study in depth four areas of special interest related to child and adolescent health and adjustment not previously studied in BACH5198 Contemporary Issues 1. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

Textbooks
Readings (supplied)

BACH5216
Behavioural Aspects of Ageing

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr Steven Cumming, (02) 9351 9404 **Session:** Semester 1 **Classes:** Distance education: web based delivery **Assessment:** 3 assessments at 2000 words each. **Campus:** Cumberland **Mode of delivery:** On-line

This unit provides an overview of how psychology and sociology approach issues associated with ageing. There are three modules: ageing brain, ageing mind (psychology); sociological theories in ageing (sociology); the 3rd age in the 21st century (integrative module).

Textbooks
See www.fhs.usyd.edu.au/bach/5216

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

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:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** On-campus, 3hrs lecture, lab, tutorial/week and distance mode **Assessment:** Assignments, exam **Practical field work:** 2hrs fieldwork **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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)

BACH5263
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

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.

BACH5284
Learning in the Workplace

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package, WebCT and email support **Assumed knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design **Assessment:** Assignment based **Campus:** Cumberland **Mode of delivery:** Distance Education

Participants explore the main challenges facing educators delivering training and professional development in the workplace. For example, the effects of the changing nature of work; the culturally diverse work force; multi-disciplinary service delivery; job redesign; skills shortages, workplace standards; staff retention; and information and communication technologies. Education trends associated with these changes are considered; such as, on the job training, competency-based education, mandatory continuing education, simulation, 'new grad training', AIN and EN training, informal and incidental learning, transfer of learning, life long learning and interprofessional learning. [This unit is not available for students who have completed BACH5024 In-service and Continuing Education].

BACH5298
History and Philosophy of Science

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** Distance learning only: no on-campus classes **Assessment:** Two 1000 word assignments **Campus:** Cumberland **Mode of delivery:** On-line

Note: Not available to Doctor of Health Science students

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)

BACH5300
Action Research

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1 **Classes:** No on-campus attendance required **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Action research is a participatory, process concerned with developing practical knowledge in the pursuit of worthwhile human purposes. In participation with others, health professionals and researchers bring action and reflection, theory and practice together in the pursuit of practical solutions to pressing issues of health and wellbeing of individuals and their communities. Action research is a set of practices for systematic development of knowledge grounded in a participatory worldview. It is rather different from traditional academic research, with different purposes, based in different relationships, and with different ways of conceiving knowledge and its relation to practice. Action research can be applied in community work, complex systems research, collaborative inquiry, improving health interventions and in other ways. This unit is suitable for research students developing action research, participatory research or similar projects, and for health professionals who are serious about improving their practice.

BACH5302
Epidemiological Research

Credit points: 6 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** On-campus, 3hrs/week **Assumed knowledge:** Previous study of Research Methods at undergraduate level **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis.

Textbooks
Hennekens & Buring, Epidemiology in Medicine

BACH5309
Assessment of Children and Adolescents

Credit points: 6 **Teacher/Coordinator:** Prof Dianna Kenny **Session:** Semester 2 **Classes:** Contract learning, including on-campus attendance of 2hrs/fortnight. Also available by distance education with special conditions (contact coordinator) **Prerequisites:** Three year undergraduate degree in psychology and BACH5313 Child and Adolescent Psychology **Assessment:** Case study, literature review **Practical field work:** Observation of assessment and use of psychological tests. Distance students must have access to a registered psychologist who can supervise their work **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the concepts of psychological assessment including norming, reliability, validity, and standardised administration. The unit familiarises students with cognitive and educational tests and assessment of adaptive function for children and adolescents. Students will be required to undertake supervised administration of one of the Wechsler Scales of Intelligence for Children and a test of educational achievement. Only students seeking registration with the NSW Psychologists Registration Board are eligible.

Textbooks
A manual will be provided

BACH5313
Child and Adolescent Psychology

Credit points: 6 **Teacher/Coordinator:** Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assumed knowledge:** Previous study of psychology at undergraduate level is assumed **Assessment:** Four tasks **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide students with an understanding of the major theories of child development with a focus on cognitive and social development; an overview of current issues in child development and the application of developmental theory to health professional practice. Students will be encouraged to pursue an area of special interest within the field of child development related to their area of professional practice.

Textbooks
Berk LE, Child Development (6th ed), Allyn & Bacon Publishing, Boston (2003); or
Shaffer DR, Developmental Psychology (6th ed), Wadsworth/Thomson Learning, Belmont (2002)

BACH5321
Psychology for Graduate Students

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

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.

BACH5323
Advanced Counselling Skills

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1, Semester 2 **Classes:** Contract learning, including attendance at 6 seminars. Also available by distance education mode **Prerequisites:** BACH5143 Counselling **Assumed knowledge:** Basic counselling skills **Assessment:** Case study analysis, counselling management plan **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The unit is taught as a series of six seminars in the semester following completion of BACH5143 Counselling. This unit is also available in distance education mode. Assessment requires students to critically analyse a counselling session they have undertaken and complete a counselling management plan.

BACH5324
Psychotherapy

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 2 **Classes:** Contract learning, including attendance at 6 seminars **Prerequisites:** BACH5143 Counselling **Corequisites:** BACH5323 Advanced Counselling Skills **Assessment:** Completion of 3 case studies **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and action therapies in psychotherapy. The unit is delivered as a series of six seminars.

BACH5328
Evaluating Health Interventions

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

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 Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT and email support **Assumed knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design **Assessment:** Assignment based **Campus:** Cumberland **Mode of delivery:** Distance Education

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

Bligh D, What's the Use of Lectures?, Jossey Bass, San Francisco (2000)
Recommended:
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

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2 **Classes:** On-campus, 2hrs lectures, lab, turorial/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

BACH5340
Healthy Behaviours-Promoting Self Change

Credit points: 6 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 2 **Classes:** 2hrs lectures, 1hr tutorials/week **Assessment:** Two assignments: 1500 & 3000 words (25%, 50% respectively), short answer exam (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to advance student's knowledge on lifestyle factors that enhance health and prevent illness. Mortality from today's leading causes of death would be markedly reduced if people adopt health protective behaviours, such as not smoking, responsible consumption of alcohol, regular exercises, healthy diets etc. Some of the major issues covered by this unit will include: lifestyles, risk factors, and health; interdisciplinary perspectives on preventing illness; developmental, gender and sociocultural factors in health; effective methods for promoting health in the community (e.g., social marketing, opportunistic advocacy, community mobilsations, etc); reducing alcohol/substance misuse; improving healthy eating habits; promoting physical activities; macrolevel analyses of program impacts.

Researchers, health promotion practitioners, health planners, and policy analysts will be invited to present lectures.

BACH5341
Research & Inquiry in Health Professions

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1, Semester 2 **Classes:** On-campus: 3 hrs/week evening classes throughout semester. Off-campus: distance mode **Assessment:** 3 assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Note: Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree

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 review and update their knowledge of research methods, and acts as an introduction to the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues are considered. Various methods of data collection are examined together with their suitability for investigating different types of 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 in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced.

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)

BACH5343
Ageing and Society

Credit points: 6 **Session:** Semester 1 **Classes:** Distance mode. No on-campus attendance required **Prohibitions:** BACH5041 **Assessment:** Two 2000 word essays (33% ea), 2000 word critical reflection (34%) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit is an introduction to social gerontology, the field of study dealing with the social aspects of human ageing. The unit design allows participants from different countries to locate their own nation's ageing in a global framework. It comprises three modules: (i) Population ageing and public policy examines the social impact of, and policy responses to, the worldwide phenomenon of demographic ageing, with particular focus on work/retirement, health and aged care; (ii) Social diversity, communities and networks examines local-level social influences on the resources and vulnerabilities of ageing individuals, with particular focus on social participation/exclusion and social support; (iii) Ageing in socio-cultural context explores how culture (meanings, attitudes, values and associated institutional practices) influences concepts of the life course, with particular focus on how ageing and older people are represented in popular discourse, public administration and professional practice.

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 focussing on nutrition and exercise.

BIOS5047
Biological Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Laura Batmanian **Session:** Semester 1 **Classes:** On-campus and distance education mode. 3hrs lectures, 3hrs tutorials/week **Assessment:** Written exam, assignment, group participation, case reports **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit examines the general principles and mechanisms of the pathology of diseases which may be encountered in the practice of general and specialty sonography. It also covers basic embryological development.

Textbooks

Larsen WJ, Essentials of Human Embryology (5th ed), Churchill Livingstone (1998)
Damjanov I, Pathology for the Health Professions (3rd ed), Elsevier Saunders (2006)

BIOS5050
Clin Oriented Musculoskeletal Anatomy

Credit points: 4 **Teacher/Coordinator:** Dr. Catherine Willis **Session:** Semester 1, Semester 2 **Classes:** On-campus lectures, tutorials & practical classes **Assessment:** Written exam and assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

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 studies have been carefully selected to support the knowledge required by health practitioners and there is particular emphasis on the functional applications of the knowledge within the framework of clinical situations. A study of gross anatomy of upper limb and histological features of the musculoskeletal system or a study of gross anatomy of the lower limb and torso are currently available. The unit includes laboratory classes where tissues from of human cadavers are examined in detail. Attendance at such classes is required for this unit. Instructional methodology will include: lectures, practical classes, CD-ROM based learning support packages and online.

BIOS5055
Neurosciences for Physiotherapists

Credit points: 3 **Teacher/Coordinator:** Dr John Burne **Session:** Semester 1 **Classes:** 3hrs/week **Assumed knowledge:** Basic neuroscience equivalent to BIOS1137 Introductory Neuroscience **Assessment:** Mid semester written exam (20%), end semester written exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an introduction to the anatomy and sensory physiology of the visual, auditory and nociceptive systems. The anatomy and physiology of the cortical and subcortical pathways and integrating centres that control movement and posture are summarized. The basic organization of the associative areas of the cerebral cortex is described and their role in sleep and memory introduced. Material will be presented in lectures, tutorials and online. Students will be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks
Lecture notes plus comprehensive reading list

BIOS5067
Sexual Health Placement and Supervision

Credit points: 6 **Teacher/Coordinator:** Unit coordinator: Brett McCann; FHS coordinator: Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** 80hrs of supervised activities based on a learning contract negotiated between the student and supervisor in consultation with the unit coordinator **Assessment:** Assessment performance will be based on feedback from the placement supervisor and reflective reporting both to peers and the course coordinator. Students will be given a satisfactory/unsatisfactory grade **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in Semester 1) as an alternative core choice of study. 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 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 60 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 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, Semester 2 **Classes:** Offered in off-campus online learning mode in Semester 1 and Semester 2. On-campus face-to-face mode in Semester 2: 4hrs lecture, 4hrs moderated group discussions/week **Assessment:** Consist of three group work tasks (5%, 20%, 20%), a quiz (20%), two assignments (10%, 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 definitions of the World Health Organisation (WHO) and the 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.

BIOS5070
Communication Skills in Sexual Health

Credit points: 6 **Teacher/Coordinator:** Mr Brett McCann; FHS coordinator: Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** Offered in off-campus online learning mode in Semester 1 and Semester 2. On-campus face-to-face mode in Semester 2: 4hrs lecture, 4hrs moderated group discussion/week **Assessment:** Will include online quizzes, case based small group work assignments and an audiotaped interview with a reflective report. Synchronous online discussions will be held at times convenient to the students **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 the effect perceptions of meaning affect professional communication patterns; identify their own values and biases and discuss the effect these may have on their provision of sexual health care to clients; demonstrate an understanding of the principles of taking a history taking and be able to apply the PLISSIT management model in the students' professional context; be able to describe briefly the theories of general counselling; understand the range of personal and community agenda individuals bring to sexuality and sexual health, and how these affect professional communication; describe changes in social definition and construction of sexuality over time and how these influence professional communication and practice; demonstrate an ability to perceive sexual health issues within local and global context. This unit will be offered in a distance mode, using the WebCT delivery platform. Assessment will include online quizzes, case based small group work assignments and an audiotaped interview with a reflective report. 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.

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:** 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 **Campus:** Cumberland **Mode of delivery:** On-line

This unit builds upon BIOS5057 Communication Skills in Sexual Health. Students may enrol concurrently in BIOS5057 and BIOS5060. The unit will explore the range of counselling approaches related to sexuality and sexual expression. Students will look at the philosophical approaches, scientific background and evidence base for the more 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).

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 online quizzes, case based small group work assignments and individual activity reports. Synchronous online discussions will be held at times convenient to the students **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).

BIOS5073
Functional Musculoskeletal Anatomy

Credit points: 3 **Teacher/Coordinator:** Ms Jan Douglas-Morris **Session:** Semester 1 **Classes:** 3hrs/week **Assumed knowledge:** Basic musculoskeletal anatomy (about 50 hours approximating BIOS1168 Functional Musculoskeletal Anatomy A and BIOS1169 Functional Musculoskeletal Anatomy B) **Assessment:** Intra-semester practical exam (40%), end semester MCQ exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Assuming a knowledge of basic functional musculoskeletal anatomy, this unit will cover an in-depth exploration of the functional anatomy of the upper and lower limbs, trunk, pelvis, thorax and neck. Material will be presented in lectures, tutorials, laboratory classes and online. Students will 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.

Textbooks
Palastanga N, Soames R, Palastanga D, Anatomy and Human Movement Pocketbook, Churchill Livingstone Elsevier (2008)

BIOS5074
Exploring Sexual Function & Dysfunction

Credit points: 3 **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 **Prohibitions:** BIOS5075 Managing Sexual Dysfunctions **Assessment:** Online quizzes, case based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit is appropriate for students who deal with sexual concerns as part of their professional practice. The 6 credit point unit BIOS5075 Managing Sexual Dysfunctions is more appropriate for those who are directly involved in the diagnosis and management of the condition. Students are advised that they should select EITHER this unit of study OR BIOS5075 Managing Function and Dysfunctions (6 credit points). Students are advised to consult with the unit coordinator if they need assistance in this selection

This unit will provide the student with an understanding of the biological and psycho-social 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 range of sexual concerns and dysfunctions. The available management options for sexual dysfunctions both medical and other will be critically evaluated. At the end of the unit of study the student will be able to: critically discuss the concept of "normality" and the range of values and behaviours in a socio-cultural context; compare the models currently used to explain the adult sexual response in males and females; demonstrate an understanding of the common sexual concerns and dysfunctions; 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; demonstrate an understanding of the treatment options available for the management of sexual concerns.

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. Synchronous online discussions will be held at times convenient to the students **Prohibitions:** BIOS5074 Exploring Sexual Function & Dysfunction **Assessment:** Online quizzes, case based small group work assignments, individual activity reports and reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit is appropriate for student who are directly involved in the diagnosis and management of sexual dysfunctions. The 3 credit point unit BIOS5074 Exploring Sexual Function & Dysfunction is more appropriate for

those who deal with sexual issues at a more general level in their professional practice. Students are advised that they should select EITHER this unit of study OR BIOS5074 Exploring Sexual Function & Dysfunction (3 credits). Students are advised to consult with the unit coordinator if they need assistance in this selection

This unit will provide the student with an understanding of the biological and psycho-social 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 psycho-social factors that determine them. The students will critically evaluate the currents 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 psycho-social 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.

BIOS5076
Understanding Reproductive Health

Credit points: 3 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown; FHS coordinator: Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** Distance education- no on-campus attendance required, using the WebCT (internet based) delivery platform **Prohibitions:** BIOS5077 Advanced Reproductive Health **Assessment:** Online quizzes, case based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who deal with reproductive issues in the context of sexual health as part of the professional practice. Those who are directly involved in the diagnosis and management of sexual and reproductive issues would be advised to enrol in BIOS5077 Advanced Reproductive Health. Students are advised that they should select EITHER BIOS5076 Understanding Reproductive Health (3 cr pts) OR BIOS5077 Advanced Reproductive Health (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection

Students will explore common issues that arise in reproductive health from adolescence to old age, including the biological and psychological aspects of pregnancy, infertility and termination of pregnancy as they relate to sexuality and sexual health. This unit will provide the student with the skills to understand the underlying issues and management principles in clients who present with reproductive concerns related to sexual health. At the conclusion of this module, students will be able to: list and discuss the availability of the resources available to assist clients with reproductive health issues particularly related to sexual health from adolescence to old age; demonstrate an understanding of 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 assess the issues of the intimacy and relationship issues that may arise for a couple with sub-fertility.

BIOS5077
Advanced Reproductive Health

Credit points: 6 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown; FHS coordinator: Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** Distance education- no on-campus attendance required, using the WebCT (internet based) delivery platform. Synchronous online discussions will be held at times convenient to the students **Prohibitions:** BIOS5076 Understanding Reproductive Health **Assessment:** Online quizzes, case-based small group work assignments, individual activity report as well as reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues. Those who deal with reproductive issues in the context of sexual health as part of the professional practice would be advised to enrol in BIOS5076 Understanding Reproductive Health. Students are advised that they should select EITHER BIOS5076 Understanding Reproductive Health (3 cr pts) OR BIOS5077 Advanced Reproductive Health (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection

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.

BIOS5078
Basics of Sexuality in Ageing

Credit points: 3 **Teacher/Coordinator:** Dr Russell Shuttleworth **Session:** Semester 2 **Classes:** Distance education delivery- no on-campus attendance required, using the WebCT (internet based) delivery platform **Prohibitions:** BIOS5079 Advanced Sexuality and Ageing **Assessment:** Online quizzes, case-based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who deal with older adults as part of the professional practice. Those who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults would be advised to enrol in BIOS5079 Advanced Sexuality and Ageing. Students are advised that they should select either BIOS5078 Basics of Sexuality in Ageing (3 cr pts) or BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection

Students will explore the sexual and reproductive changes that take place in older adults and the social, psychological and emotional consequences of these changes. The students will be provided with an overview of the range of sexual concerns and dysfunctions in older adults and available management options. They will have the opportunity to explore their own attitudes towards these issues and consider the situation in nursing homes and aged care facilities. At the end of this unit of study, the student will be able to: demonstrate an understanding of ageing in Australian society, and discuss the implications in terms of health; discuss the ways in which the biological changes of ageing impact on sexuality and sexual health; evaluate how the psycho-social and life changes of older age impact on sexuality and sexual health; demonstrate an ability to manage practical issues of sexual dysfunction related to ageing; discuss the effects of specific diseases on the aged and their partners; investigate the ways in which nursing homes and aged care facilities manage issues of sexuality and sexual health.

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 (internet based) delivery platform. Synchronous online discussions will be held at times convenient to the students **Prohibitions:** BIOS5078 Basics of Sexuality in Ageing **Assessment:** Online quizzes, case-based small group work assignments and individual activity reports as

well as reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults. Those who deal with older adults as part of the professional practice would be advised to enroll in BIOS5078 Basics of Sexuality and Ageing. Students are advised that they should select EITHER BIOS5078 Basics of Sexuality in Ageing (3 cr pts) OR BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection

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 these issues and explore the situation in nursing homes and aged care facilities. Students will be encouraged to explore these in depth in specific topic areas, as relevant to their professional role. At the end of this unit, the student will be able to: demonstrate an understanding of ageing in Australian society, and discuss the implications in terms of health; critically review the literature on the impact of biological changes of ageing on sexuality and sexual health, in a social and cultural context; explore personal values and attitudes to ageing and sexual health and place this in a cultural and socio-religious frame, such as to understand how the psycho-social and life changes of older age impact on sexuality and sexual health; demonstrate the competence to detect and manage practical issues of sexual dysfunction related to ageing; discuss the effects of specific diseases on the aged and their partners; 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); discuss issues related to STIs in the aged population.

BIOS5080

Law and Ethics in Sexual Health

Credit points: 3 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown; BIOS coordinator: Dr Gomathi Sitharthan **Session:** Semester 2 **Classes:** External/distance mode: WebCT. No on-campus attendance required **Assessment:** Online asynchronous discussions and group work activities, as well as individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit aims to develop the student's understanding of legal and ethical issues relating to sexual health care. The major content of the unit will be based on the Australian legal system and laws applicable to sexuality and sexual health. Students will, however, be given the opportunity to examine other legal systems and laws and to engage in comparative dialogue. At the completion of the unit, the student will be able to: critically report on public health law and laws applicable to age of consent, sexual assault and anti-discrimination as relevant to sexuality and sexual health, as well as laws related to abortion. While these will be couched in an Australian context, the student will be encouraged to explore all issues in an international and global perspective; report on the Australian judicial system and compare this with that from different regions, countries and cultures. Particular emphasis will be placed on ethical considerations in dealing with sexuality and sexual health of clients, including confidentiality, research with clients and sexual relationships in the professional client relationship.

BIOS5081

Sexual Assault

Credit points: 3 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown; BIOS coordinator: Dr Gomathi Sitharthan **Session:** Semester 2 **Classes:** External/distance mode: WebCT. No on-campus attendance required **Assessment:** Online asynchronous discussions and group work activities, as well as individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study aims to provide students with an understanding of the detection and management of sexual assault and the short and long term consequences to the individual, family and community. At the completion of the unit of study, the student will be able to: critically evaluate the principles of clinical management of a client following a recent sexual assault; demonstrate an understanding of the principles of sexual assault counselling; be sensitive to the potential long term effects of sexual assault on victims; discuss critically the factors associated with sexual offending including such issues as child sexual assault and male assault; discuss the medico-legal issues associated with the management of an alleged sexual assault. Students will be encouraged to explore these issues in the context of their own community and professional background.

BIOS5082

Understanding Gender and Sexuality

Credit points: 3 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 2 **Classes:** Distance education- no on-campus attendance required, using the WebCT (internet based) delivery platform **Prohibitions:** BIOS5083 **Assessment:** Online quizzes, case-based small group work assignments and an individual reflective report **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who deal with gender issues in the context of sexual health as part of the professional practice. Those who are directly involved in the diagnosis and management of gender identity and intersex issues would be advised to enrol in BIOS5083 Sex, Gender and Sexuality. Students are advised that they should select EITHER BIOS5082 Understanding Gender and Sexuality (3 cr pts) OR BIOS5083 Sex, Gender and Sexuality (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection

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 explore the range of gender and sexual differences and practices in the community. At the end of this unit, the student will be able to: discuss the terminology used in gender discourse; describe the biology of sexual development from fetus to adolescence and an understanding of the factors that influence the process; critically discuss 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; assess the current literature on issues of gender identity (transgender and transsexual) and social and cultural factors in their expression in a community.

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. Synchronous online discussions will be held at times convenient to the students **Prohibitions:** BIOS5082 Understanding Gender and Sexuality **Assessment:** Online quizzes, case-based small group work assignments, individual activity report as well as reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who are directly involved in the diagnosis and management of gender identity and intersex issues. Those who only deal with gender issues in the context of sexual health as part of the professional practice would be advised to enrol in BIOS5082 Understanding Gender and Sexuality. Students are advised that they should select EITHER BIOS5082 Understanding Gender and Sexuality (3 cr pts) OR BIOS5083 Sex, Gender and Sexuality (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection

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.

BIOS5084
Sexual Attitude Reassessment

Credit points: 3 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 2 **Classes:** Offered in a blended e-learning mode and supported by a WebCT site. Students will be expected to attend a 2-day compulsory workshop **Assessment:** Completion of online activities including value clarification quizzes and small group discussions, participation in the workshop and submission of reflective reports **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

The aim of this unit is to provide students with the opportunity to assess their own sexual knowledge, attitudes, beliefs, and value systems to sexuality and sexual health. The students will explore their own biases be sensitised to the attitudes and values of others. This will provide an attitudinal basis for students to deal with clients whose attitudes and values differ from their own. This unit will be offered as a non-award unit of study to persons wishing to apply for accreditation with the Australian Society of Sexuality Educators Researchers and Therapists (ASSERT). A certificate of completion will be awarded to those enrolled in the unit as non-award students. At the end of this unit, the participant will be able to: critically discuss the main attitudinal biases and issues faced by a person through the life cycle; reflect on and discuss their own attitudes and values on a range of the above issues; critically assess the range of biases, attitudes and values that exist in people and understand how these attitudes and values affect professional and personal interactions; demonstrate the skills to deal with clients in a non-judgmental and professional manner.

BIOS5085
Principles of Sexual Health Research

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: 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

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 **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. Gomathi Sitharthan **Session:** Semester 2 **Classes:** Intensive face-to-face training, comprising lectures/demonstrations, small group discussion, role-plays and feedbacks. There will also be an online component **Assessment:** Assessment will include reflective report on scenarios, role play and peer review and group discussions based on case studies. Students will be graded as satisfactory and unsatisfactory **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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. Synchronous online discussions will be held at times convenient to the students. No on-campus attendance required **Assessment:** Assessment will include online quizzes, case-based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** On-line

The unit will provide the students with an overview of the models of disability. The students will be sensitised to the sexual health needs of those with physical disability and intellectual disability and sexual concerns following disease and surgery. The unit is an introductory unit to the topic. The students will explore the range of counselling options and support structures available in the area of sexual and reproductive health to disabled people. The students will do this in the context of their own professional situation. At the end of the unit of study the student will be able to: discuss the models of disability (medical, social, psychological, psycho-social) from the point of view of the factors that influence individual's reaction to and adjustment to disability and the communities reactions; demonstrate an

understanding of the sexual concerns at individual, community and health care levels in people with intellectual disability, development disability and mental illness; demonstrate an understanding of the sexual concerns at individual, community and health care levels in people with a physical disability of various causations such as spinal cord injury and brain injury; discuss the individual and health care consequences of the sexual concerns that are likely in people with illnesses (e.g., heart attacks, COPD, cancer), surgery (e.g., prostatectomy, stoma therapy) and on therapeutic medication; demonstrate an ability to identify and manage as appropriate the sexual concerns in illness and in people with disability.

BIOS5089
Advanced Musculoskeletal Anatomy

Credit points: 6 **Teacher/Coordinator:** Ms Jan Douglas-Morris **Session:** Semester 1 **Classes:** 4hrs lecture discussion/practical 2nd weekly **Prerequisites:** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk **Assessment:** Intra-semester exam (40%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will extend undergraduate knowledge of the functional anatomy of the neuro-musculo-skeletal system by using recent research evidence to evaluate the validity of clinical assessment procedures, interpretation of assessment findings and treatment approaches in neuro-musculo-skeletal disorders. It will explore possible additional treatment techniques consistent with an approach to rehabilitation that is valid with respect to functional anatomy while appreciating the limitations of current functional anatomy knowledge in evaluating the assessment and treatment of the neuro-musculo-skeletal system. In the study of advanced musculoskeletal anatomy this unit will use current relevant research literature to extend students' critical evaluation and life-long learning skills.

COMP5138
Relational Database Management Systems

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:** COMP5015 **Assessment:** Assignments, written exam. **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.

CSCD5018
Core Studies

Credit points: 3 **Session:** Semester 1 **Classes:** 4hrs lectures, practicals/week on-campus **Assessment:** Two mid and end semester theory exams **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.

CSCD5019
Speech Pathology Practice (Introduction)

Credit points: 3 **Session:** Semester 1 **Classes:** 2-3hrs/week on-campus **Assessment:** Practical, written assignments **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:** 3 hrs/week on-campus **Assumed knowledge:** Ability to transcribe normal adult speech in broad phonetic transcription **Assessment:** 2 assignments, exam **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 **Session:** Semester 1 **Classes:** 4-5 hrs/week on-campus **Assumed knowledge:** Understanding of basic linguistics, including grammatical analysis **Assessment:** Written assignment, exam **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 **Session:** Semester 1 **Classes:** 4-6hrs/week on-campus **Assessment:** Progressive assessment, including viva and written exam **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 Kirrie Ballard **Session:** Semester 2 **Classes:** 5hrs/week on-campus **Prerequisites:** CSCD5018 Core Studies **Assessment:** 4 exams (25% ea), MBS Barrier task **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.

CSCD5024
Language 2

Credit points: 6 **Session:** Semester 2 **Classes:** 5hrs/week on-campus **Assumed knowledge:** CSCD5020 Articulation and Phonology, CSCD5021 Language 1 **Assessment:** Written assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Assessment, diagnosis and management of language disorders in school age and other populations. This unit of study is assumed knowledge for CSCD5028 Specialist Studies 3.

CSCD5025
Specialist Studies 2

Credit points: 3 **Session:** Semester 2 **Classes:** 4hrs/week on-campus **Assumed knowledge:** Anatomy of the head and neck, thorax and respiratory system **Assessment:** Progressive assessment, written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Assessment, diagnosis and management of voice disorders. This unit of study is a prerequisite for CSCD5032 Research Led Pactice and CSCD5033 Applied Clinical Research.

CSCD5026
Professional Development 1

Credit points: 3 **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Assessment:** Progressive assessment and written exam. Critique (10%), reports (30%), 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:** Progressive competency based assessment **Campus:** Cumberland **Mode of delivery:** Professional Practice

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
COMPASS Resource Manual

CSCD5028
Specialist Studies 3

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** 4hrs/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:** Ms Christine Sheard **Session:** Semester 1 **Classes:** Block mode and 4hrs/week on-campus **Assumed knowledge:** CSCD5023 Swallowing and Neurogenics 1 **Assessment:** Written assignment, exam **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).

CSCD5030
Professional Development 2

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** Block mode and 2hrs/week on-campus **Prerequisites:** CSCD5026 Professional Development 1 **Assessment:** Progressive assessment, written assignments **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 and professional self regulation.

CSCD5031
Clinical Practice 2

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:** CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2, CSCD5026 Professional Development 1, CSCD5027 Clinical Practice 1 **Assessment:** Progressive clinical evaluation based on professional competencies **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students enrolling in course codes SG034 and SC144 must seek permission from unit coordinator for enrolment. This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

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 Resource Manual

CSCD5032
Research Led Practice

Credit points: 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 2 **Classes:** WebCT **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:** 4 WebCT submissions **Campus:** Cumberland **Mode of delivery:** Distance Education

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 learn 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:** Ms Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** WebCT **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:** Distance Education

Students engage in an in-depth study of a clinical issue or model and investigate its application and impact on research, practice, education, services and other relevant areas. May include Health promotion or quality assurance projects.

CSCD5035
Professional Development 2H

Credit points: 3 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** Block mode and 2hrs/week on-campus **Prerequisites:** CSCD5026 Professional Development 1 **Assessment:** Progressive assessment, written assignments **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 and professional self regulation.

CSCD5036
Research in Clinical Practice 1

Credit points: 3 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 1, Semester 2 **Classes:** On-campus with distance component **Assessment:** Participation in seminars, written assignments at mid and end semester **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:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** On-campus with distance component **Prerequisites:** CSCD5036 Research in Clinical Practice 1 **Assessment:** Dissertation, seminar presentation **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.

CSCD5051
Trends in Speech-Language Pathology

Credit points: 12 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 2 **Classes:** WebCT contact, variable **Prerequisites:** CSCD5050 Scholarship in Speech-Language Pathology or BACH5341 Research and Inquiry in Health Professions **Assessment:** Participation in WebCT based activities, two annotated bibliographies **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will involve the students in conducting critiques of the literature across selected topic areas of speech-language pathology; stuttering, voice, child language and phonology, neurogenic disorders, disability and diversity, and to write appropriate academic works in those areas.

Textbooks
Access to online journals required

CSCD5052
Clinical Review in Speech-Lang Pathology

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** WebCT contact, variable **Prerequisites:** CSCD5050 Scholarship in Speech-Language Pathology or BACH 5341 Research & Inquiry in Health Professions, CSCD5051 Trends in Speech-Language Pathology **Assessment:** Literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

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

This unit will involve the students in conducting literature based research into a major clinical area of speech-language pathology: stuttering, voice, child language, phonology, neurogenic disorders, disability and diversity. Students will apply critical skills from earlier units of study to write a review of an area of clinical concern, with a view to possible submission for publication.

Textbooks
Access to online journals required

CSCD5053
Clinical Practice 3 - Paediatric

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **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:** Progressive clinical evaluation based on professional competencies **Campus:** Cumberland **Mode of delivery:** Professional Practice

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 Resource Manual

CSCD5054
Clinical Practice 3 - Adult

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **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:** Progressive clinical evaluation based on professional competencies **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 Research Manual

CSCD5055
Leadership in Speech Pathology

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Kenny, Assoc Prof Michelle Lincoln, Dr Tricia McCabe **Session:** Semester 1 **Classes:** Distance education mode: Independent learning package with e-learning and email support. No on-campus attendance required **Assumed knowledge:** Degree in Speech Pathology, employment as a speech pathologist for at least 6 months in the last 5 years **Assessment:** 2 reports - 1 x evaluation of an emergent issue in light of the research literature (in the form of a journal manuscript) and 1 x plan fo management of legal, ethical or clinical education issues in the workplace **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit is designed to provide a research foundation for clinical decision making on a whole-of-practice basis. Major themes will include legal and ethical issues in speech pathology, clinical education theory and practice, and managing emergent issues in speech pathology in the light of available evidence. These are topics which are current or imminent for the profession. This content will change as new issues arise. The unit will review these themes from a manager/team leader's perspective.

DHSC7001
Theory in the Health Professions

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

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

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, Calif (2007)

DHSC7006
Leading in the Health Professions

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:** Distance Education

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, 2hrs practicals/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) Evening

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 adaptions 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:** Normal evening: 2hrs lecture, 2hrs 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) Evening

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 & Levange, 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) Evening

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.

EXSS5044
Advanced Exercise Physiology

Credit points: 6 **Teacher/Coordinator:** Dr Kieron Rooney **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Assessment:** 3000 word assignment (30%); 2hr written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

This unit of study will focus on the following three areas: exercise endocrinology, signalling pathways in adaptation to exercise and immune responses to exercise. The hormonal responses to exercise related to fuel mobilisation, exercise intensity, exercise training and their interactions will be discussed, with a focus on blood glucose homeostasis. In addition, the signals for training adaptation at the molecular level will be explored. The unit will also examine the immune system responses to exercise with discussion of the factors that can affect resistance to infection. Environmental factors (e.g., the role of

heat shock proteins in the biogenesis of mitochondria and in limiting ischemia-reperfusion injury) will also be discussed. This unit of study will be offered on campus supported with WebCT resources.

Textbooks
Reading materials will be recommended for individual lectures

EXSS5046
Sports Biomechanics

Credit points: 6 **Teacher/Coordinator:** Dr Rene Ferdinands **Session:** Semester 2 **Classes:** 4hrs/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) Evening

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:** 4 hours/week on-campus supported with web CT resources **Assumed knowledge:** Undergraduate biology and physiology (biochemistry is desirable) **Assessment:** Poster presentation (30%), in-class problem based learning (10%), final 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. 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.

Textbooks
Burke L & Deakin V, Clinical Sports Nutrition (2nd ed), McGraw-Hill (2000)

EXSS5048
Exercise Throughout the Lifespan

Credit points: 6 **Teacher/Coordinator:** Prof Maria Fiatarone Singh **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Assessment:** Assignment (30%), end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

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:** 4hrs/week **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Assessment:** Written exam (70%), written report (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

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. This unit of study will be offered on campus supported with web CT resources.

Textbooks
Gore, Physiological Tests for Elite Athletes (2000)

EXSS5050
Human Motor Learning and Control

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Nicholas O'Dwyer **Session:** Semester 1 **Classes:** 4hrs/week **Assessment:** Assignment (30%), final exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

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. An overview of common disorders of movement is presented. 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, 2hrs practicals/week **Prerequisites:** EXSS5030 Human Mechanics **Assessment:** Assignment (30%), exams (70%) **Practical field work:** 2hrs/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Note: Not available during concurrent enrolment in EXSS5046 Sports Biomechanics

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

EXSS5055
High Performance Coaching

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Morante **Session:** Semester 2 **Classes:** Two 1hr lectures, 2hr practical, tutorial/week **Assumed knowledge:** Undergraduate level Motor Control; Growth and Development; Behavioural Science **Assessment:** Periodised training program (40%), 2000 word report (30%), 2hr exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

This unit provides an introduction to the principles of sports coaching and the role of a high performance coach. The unit aims to integrate and apply the concepts acquired over the course of the degree. Students will conduct athlete profiling, sports analyses and performance analyses for the development of periodised training programs. The psychological and behavioural aspects of sport and training will also be explored, providing students with practical skills essential for the development of optimum athletic performance. Students will develop practical knowledge relating to the application of motor control and learning in skill acquisition. The issue of talent identification will be explored using relevant knowledge acquired from previous units of study. Students will also be able to draw on their understanding of various physical and psychological disorders to examine the area of inclusive coaching / athletes with disabilities. The emerging area of athlete development will be discussed, focusing on the promotion of educated and rounded athletes to enhance both competitive performance and life after sport. Legal and business considerations relating to sports coaching, and the structure of the Australian coaching scheme will be explored to provide students with an understanding of the sport and coaching industries.

EXSS5056
Clinical Exercise Science Practicum 1

Credit points: 12 **Teacher/Coordinator:** Dr Jacqueline Raymond, Ms Elodie Williams, Assoc Prof Nalin Singh **Session:** Semester 1 **Classes:** Introductory lectures; minimum of 15hrs/ week (approx 200hrs). Commitment: four half-days (within 9-5pm) **Prerequisites:** 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:** Case management reports, practical competency exam **Practical field work:** 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. The 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 and provide a written report.

Textbooks
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, Ms Elodie Williams, Assoc Prof Nalin Singh **Session:** Semester 2 **Classes:** Introductory lectures, minimum of 15hrs/week (approx 200hrs). Commitment: four half-days (within 9-5pm) **Prerequisites:** 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:** Case management reports, practical competency exam **Practical field work:** 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
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 **Session:** Semester 1 **Classes:** Lectures, tutorials, short CET placements plus online learning of reading materials and WebCT lectures. Class time is 3 hrs lec + 2 hrs tut/prac classes. **Corequisites:** EXSS5029 Exercise, Metabolism and Physiology; EXSS5059 Professional Practice **Assessment:** Examinations, assignments, practical skills assessment **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

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hr lecture, tutorial or prac each week; 60 hrs professional placement across the semester **Corequisites:** EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming **Assessment:** Case report, practical skills, professional performance **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:** Assoc Prof Glen Davis **Session:** Semester 2 **Classes:** Lectures, tutorials, short CET placements plus online learning of reading materials and WebCT lectures. Class time is 3 hours lecture + 2 hours tutorial/practical classes per week **Prerequisites:** EXSS5058 Principles of Exercise Programming **Assumed knowledge:** EXSS5029 Exercise, Metabolism and Physiology **Assessment:** Examinations, assignments, practical skills assessment **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
Clinical Exercise Practice

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hr lecture or tutorial each week; 80 hrs professional placement across the semester. **Prerequisites:** EXSS5059 Professional Practice **Corequisites:** EXSS5060 Advanced Exercise Programming **Assumed knowledge:** EXSS5029 Exercise, Metabolism and Physiology; EXSS5058 Principles of Exercise Programming **Assessment:** Case report, practical skills, professional performance **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
Musculoskeletal Principles of Exercise

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hrs lectures and 2hrs tutorials. **Assessment:** Examination, assignments, practical skills assessment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to investigate how the musculo-skeletal 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:** Dr Benedicte Vanwanseele **Session:** Semester 1, Semester 2 **Classes:** Meet with Supervisor as required **Assessment:** Evaluation of literature review, Research Dissertation **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.

GSDD5001
Critical Issues-Developmental Disability

Credit points: 6 **Teacher/Coordinator:** Prof Trevor Parmenter **Session:** Semester 1 **Classes:** Web-based learning: no on-campus attendance required **Assessment:** Contribution to online discussion and two minor, one major assignments **Campus:** Cumberland **Mode of delivery:** On-line

As potential leaders in the field of developmental disability, students undertaking this unit will develop a framework for considering the major concepts in the field from a variety of viewpoints. The unit will form the basis for introducing students to effective multidisciplinary practice. This unit forms a conceptual underpinning for the course and introduces students to basic concepts such as models of disability, classification, etiology, models of intervention and life span issues. Also covered are historical developments, bio psychosocial aspects, (including physical and mental health and family issues), disability legislation and other legal issues such as consent and guardianship. Students will work together in this unit of study in multidisciplinary ways. All students will undertake and satisfactorily complete this core unit in the first semester of enrolment.

GSDD5004
Multidisciplinary-Collaborative Practice

Credit points: 6 **Teacher/Coordinator:** Dr Bronwyn Hemsley **Session:** Semester 1 **Classes:** Off-campus **Assessment:** Contribution to tutorials and group work, individual final report **Campus:** Cumberland **Mode of delivery:** Distance Education

Participants in this unit will develop high-level skills in multidisciplinary, collaborative practice in the field of developmental disabilities. Students will explore the range of past and present models of practice affecting the treatment of people with developmental disabilities and their families. These include professional versus client led models of practice; interdisciplinary, multidisciplinary and transdisciplinary models; parents as partners, collaborators and drivers; negotiation and communication between professionals and with families; multidisciplinary team management and consultation skills and expertise. Students will have the opportunity to participate in multidisciplinary assessment and support planning case presentations.

GSDD5006
Inquiry Topic

Credit points: 6 **Teacher/Coordinator:** Prof Trevor Parmenter, Dr Bronwyn Hemsley **Session:** Semester 1, Semester 2 **Classes:** Online and distance education, with independent directed study **Assessment:** 6000 word report **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.

GSDD5009
Dissertation

Credit points: 12 **Teacher/Coordinator:** Prof Trevor Parmenter, Dr Bronwyn Hemsley **Session:** Semester 1, Semester 2 **Classes:** Off-campus with independent directed study, online and distance education **Assessment:** 12,000 word dissertation **Campus:** Cumberland **Mode of delivery:** On-line

The honours dissertation is an extra 12 credit point unit of study in addition to the 48 credit points required to complete the Master of Health Science (Developmental Disability). The honours dissertation is 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.

GSDD5011
Autism Spectrum Disorders

Credit points: 6 **Teacher/Coordinator:** Dr Jacqui Roberts **Session:** Semester 2 **Classes:** Online, distance education **Assessment:** Individual and group reports **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit focuses students' understanding of autism spectrum disorders across the life span in both historical and current contexts. The unit will cover topical issues in autism including but not limited to: 'autism spectrum or spectra': exploring issues of definition, assessment and diagnosis in autism; 'from psychotherapy to discrete trial training': changes in treatment and management of autism over time; 'from research to practice': exploring the relationship between empirical information and the management of autism across the life span;

'beyond the Triad': exploring what we now know about the underlying characteristics of autism, which inform observable autistic behaviours; 'crossing the boundaries': issues in the provision of a multi disciplinary collaborative approach to the assessment and management of autism; and an exploration of the validity of a 'neurotypical' approach to the world, from the perspective of people with autism.

GSDD5012
Positive Behaviour Support:Promoting QOL

Credit points: 6 **Teacher/Coordinator:** Ms Michelle Weise **Session:** Semester 1 **Classes:** Online **Assessment:** Participation in online discussion groups (10%), assignments (90%) **Campus:** Cumberland **Mode of delivery:** On-line

This unit provides students with a contemporary understanding of assessment, intervention and intervention evaluation techniques relevant to the support of people with disability whose behaviour is challenging. 'Challenging behaviour' is understood to denote any behaviour that is a barrier to the person participating in and contributing to their community; that undermines the person's rights, dignity and quality of life; and poses a risk to their health and safety and/or the safety of those with whom they live or work. Assessment methodologies and intervention techniques covered will include ecological, functional and clinical approaches. Legal and ethical issues will also be addressed. Multi-disciplinary approaches and education for family members and staff providing direct support will be discussed.

GSDD5018
Mental Health - Developmental Disability

Credit points: 6 **Teacher/Coordinator:** Dr Seeta Durvasula **Session:** Semester 2 **Classes:** Online and Distance education. **Assessment:** Contributions to tutorials and group work and an individual final report. **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:** Ms Janelle Craig **Session:** Semester 2 **Classes:** Web-based: no on-campus attendance required **Assessment:** Assignments, exam **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.

HIMT5025
Clinical Trials and Data Management

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 1 **Classes:** Online delivery **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** On-line

This unit will discuss in detail the processes involved in conducting clinical research and the role of the data manager in these processes. Areas covered include the stages in the development of a clinical trial, various design issues including blinding, crossover and factorial designs, randomisation and stratification, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality including monitoring and auditing, ethical and regulatory issues, and reporting of results.

HIMT5027
Introduction to Epidemiology

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 1 **Classes:** Distance education **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit introduces students to principles and practice of epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

HIMT5050
International Disease Classifications A

Credit points: 3 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (6 by 4hrs) plus individual and small group independent learning and e-learning activities **Assessment:** Assignments, exam **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 MBS-Extended. 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.

HIMT5051
International Disease Classifications B

Credit points: 3 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** Intensive, compulsory block mode (six by 4hrs) plus individual and small group independent learning and e-learning activities **Prerequisites:** HIMT5050 International Disease Classification A **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit builds on both theoretical and practical issues studied in HIMT5050 International Disease Classification A 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.

HIMT5052
Database Management Systems

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 2 **Classes:** 4-day block workshop on campus **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Students enrolling in HIMT5052 are required to attend a 4-day workshop at the beginning of Semester 2.

This unit provides a theoretical and practical introduction to relational database management systems. The unit covers systems analysis and design (feasibility studies, entity-relationship modelling, data integrity, and normalisation); query languages (SQL); database implementation and management (forms, queries, reports and security) in MS Access.

HIMT5058
Health Informatics Applications

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (6 x 4hrs) plus individual and small group independent learning and e-learning activities **Assessment:** 1 x 2000 word literature review, 2 x 2000 word assignments **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 2 **Classes:** Intensive, compulsory block mode (six by 4hrs) plus individual and small group independent learning and e-learning activities **Assessment:** 1500 word assignment, 2000 word essay, 2hr exam **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 importance of terminologies such as the Unified Medical Language System will be investigated along with issues related to comparing coding systems, including mapping. A review of the structure of a range of current health classification systems such as International Classification of Diseases (ICD), the Systematised Nomenclature of Medicine (SNOMED), Read Codes, the International Classification of Primary Care (ICPC) and casemix (DRGs, RUGs, AVG) will be undertaken.

HIMT5060
Integration of Health Informatics

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 2 **Classes:** Intensive, compulsory block mode (6 by 4hrs) plus individual and small group independent learning and e-learning activities **Assessment:** Three 2000 word assignments **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.

HIMT5061
Dissertation

Credit points: 12 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1, Semester 2 **Classes:** Off-campus directed independent study (some on-campus attendance may be required) **Assessment:** Completion of a publishable paper reporting outcome of investigation **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit requires the preparation of a proposal for the conduct of an original investigation of an area of professional relevance and the completion of a publishable paper reporting the results of the investigation.

HIMT5062
Dissertation A

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1, Semester 2 **Classes:** Supervised research activity with on-campus presentation **Prerequisites:** BACH5341 Research & Inquiry in Health Professions **Assessment:** 1 x 1500 word progress plan, 1 x 20min presentation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Honours students will develop a proposal to undertake an investigation in an area of specialised interest in health informatics.

HIMT5063
Dissertation B

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 2 **Classes:** Directed independent study (some on-campus attendance may be required) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

The dissertation requires the completion of a publishable paper reporting an original investigation of an area of professional relevance.

HIMT5065
Project Management

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 1, Semester 2 **Classes:** Intensive, compulsory block mode (4 days, 9am-5pm) **Assessment:** Multiple choice questions/quiz daily in class, 2000 word case study, 2500 word workplace portfolio **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

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.

HIMT5066
Advanced Clinical Data Management

Credit points: 6 **Session:** Semester 2 **Classes:** Online delivery **Prerequisites:** HIMT5025 Clinical Trials and Data Management **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** On-line

This advanced unit will build on the principles and skills developed in the core unit HIMT5025 Clinical Trials and Data Management. A focus will be regulatory, legal and ethical issues in clinical research including GCRP and FDA requirements and NHMRC guidelines.

HIMT5067
Evidence Based Health Care

Credit points: 6 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 1, Semester 2 **Classes:** Intensive, compulsory block mode plus individual and small group independent learning and e-learning activities **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Greater demands are being placed upon health care practitioners and managers to adopt evidence-based practice. This requires a systematic appraisal of the best available evidence. The rapid expansion of information in the health sector should result in increased knowledge and more effective health care. However it is common for practitioners to feel overwhelmed by the volume and different types and quality of information available. This unit includes concepts relating to adopting an evidence-based decision making approach in the health sector. Issues covered include what constitutes evidence, levels of evidence, searching for evidence and critical appraisal.

HIMT5069
Health Care Systems

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1, Semester 2 **Classes:** Sem 1: Lecture/lab/tutorial on-campus 2 hrs/week throughout semester (evening classes); Sem 2: Distance education **Assessment:** 1500 word essay, Health Care Game assignment, 2hr exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

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. Students will participate in the Health Care Game, an interactive web-based program, as part of the unit of study.

HIMT5070
Human Resource Management

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1 **Classes:** On-campus, six 2hr sessions with e-learning support. **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study focuses on managing the human resources of an organisation. Students explore in depth the individual processes of human resource management and their inter-relationships, including: human resource planning; recruitment; selection; orientation and training; career development and performance appraisal. The implications of equal employment legislation and affirmative action legislation to the employment relationship are also covered.

HIMT5079
Health Informatics Research Project

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. Fieldwork and concurrent e-learning tasks **Prerequisites:** BACH5341 Research & Inquiry in Health Professions **Assessment:** 1500 word progress plan, 3000 word final report **Campus:** Cumberland **Mode of delivery:** Block Mode

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 inter-professional 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:** Intensive, compulsory block mode (seven by 4hrs) plus individual and small group independent learning and e-learning activities **Corequisites:** HIMT5086 Health Informatics Principles **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

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. International, 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 including administrative, clinical and financial information systems.

HIMT5086
Health Informatics Principles

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1, Semester 2 **Classes:** Intensive, compulsory block mode (seven by 4hrs) plus individual and small group independent learning and e-learning activities **Corequisites:** HIMT5085 Information Systems in Health Care **Assessment:** Two 2000 word assignments, 2hr exam **Campus:** Cumberland **Mode of delivery:** Block Mode

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:** Ms Janelle Craig, Ms Anne Marks **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

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 **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (six by 4hrs) plus individual and small group independent learning and e-learning activities **Assessment:** Three 2000 word assignments **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 2 **Classes:** Combination of lecture/lab/tutorial/online modalities **Prerequisites:** BACH5068 Statistics for Clinical Research **Assessment:** Three 2000 word assignments **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. By working with real data and real problems, students will learn basic tools and methods of data analysis and data mining.

HIMT5090
Dissertation B

Credit points: 12 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1, Semester 2 **Classes:** Supervised research activity with on-campus presentation **Prerequisites:** HIMT5062 Dissertation A, BACH5341 Research & Enquiry in Health Professions **Assessment:** 1 x 5000 word thesis, 1 x 30min presentation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

During this unit, honours students will complete the investigation begun during HIMT5062 Dissertation A. 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) (Honours) Guidelines, Policy and Procedures.

HIMT5091
Professional Experience

Credit points: 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** 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

This unit of study will engage students in the process of exploring health informatics in practical settings. The knowledge, skills and competencies required by different health informatics professionals will be examined and discussed.

HIMT5092
International Disease Classification A

Credit points: 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities. **Assessment:** Assignments and examination **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 MBS-Extended. 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:** Ms Anne Marks **Session:** Semester 2 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities. **Prerequisites:**

HIMT5092 International Disease Classification A **Assessment:** Assignments and examination **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.

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

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.

HSGS5002
Ageing and Environmental Interaction

Credit points: 6 **Teacher/Coordinator:** Dr Anne Hillman **Session:** Semester 2 **Classes:** Distance education, web-based. **Assessment:** Contribution to web based activities and discussions (40%), 1 x 4000 word assignment (60%) **Campus:** Cumberland **Mode of delivery:** On-line

This subject is designed to explore in depth the interactions between older individuals and their multiple environments. Changes that commonly occur with ageing with be linked to environmental issues in the context of the person's individuality, needs and choices for a personally meaningful life. The impact of the environment will be considered in physical, sensory, social and cultural terms. The unit will consider in depth the ways in which people may experience loss of control and how they can work to regain a sense of personal control in their environmental interactions. There will be an orientation to the conceptual framework and models that underpin environmental theory and perceived control, with an emphasis upon community environments. The written assignment will provide an opportunity to explore and apply relevant theory to a complex case history.

MRSC5001
Professional Practice Radiography 1

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 1 **Classes:** 4-6hrs/week of lectures and tutorials, 35hrs/week practical work **Assessment:** Assignments, exam **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)

MRSC5002
Medical Radiation Science 1

Credit points: 6 **Teacher/Coordinator:** Mr Mark West **Session:** Semester 1 **Classes:** 4-6hours/week of lectures and tutorials **Assessment:** Exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study 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.

MRSC5003
Foundations of Health Care Practice

Credit points: 6 **Session:** Semester 1 **Classes:** 4-6 hours/week of lectures, tutorials **Assessment:** Two essays, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces the student to the Australian health care system and health care delivery to the Australian public. Safety issues will be addressed concurrently with ethical and legal issues relating to professional practice. Within this unit, a library literacy module will be included. A scenario based learning approach covering healthcare, ethical and legal issues will be used with a strong emphasis on integration of concepts specific to the disciplines. An MRS specific module is included focusing on occupational radiation safety.

Textbooks
Kerridge I, Lowe M and McPhee J, Ethics & Law for Health Professionals, Federation Press, Sydney (2005)

MRSC5005
Professional Practice Radiography 2

Credit points: 6 **Teacher/Coordinator:** Mr John Atyeo **Session:** Semester 2 **Classes:** 4-6hrs/week of lectures and tutorials, 35hrs/week practical work **Prerequisites:** MRSC5001 Professional Practice Radiography 1 **Assessment:** Assignments, exam **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)

MRSC5008
Honours Dissertation A

Credit points: 6 **Session:** Semester 2 **Classes:** Dissertation **Assessment:** Portfolio satisfying key learning outcomes **Practical field work:** 35hrs/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is the first of two research units incorporated into the honours pathway. Students will be introduced to the principles of research design and delivery, working at a pace reflective of an honours student. The development of an individual literature review and research proposal including ethics considerations and submission will be included.

MRSC5009
Professional Practice Nuclear Medicine 1

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 1 **Classes:** 35hrs/week **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy: **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
Christen P, Bernier D & Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5010
Professional Practice Nuclear Medicine 2

Credit points: 6 **Teacher/Coordinator:** Mr John Atyeo **Session:** Semester 2 **Classes:** Practical classes will provide students with experience in procedures and radiopharmacy: 35hrs/week **Prerequisites:** MRSC5009 Professional Practice Nuclear Medicine 1 **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Professional Practice

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
Christen P, Bernier D & Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5011
Professional Practice Rad Therapy 1

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 1 **Classes:** 35hrs/week **Assessment:** Assignment, exam **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.

MRSC5012
Professional Practice Rad Therapy 2

Credit points: 6 **Teacher/Coordinator:** Mr John Atyeo **Session:** Semester 2 **Classes:** Clinical experience: 35hrs/week **Prerequisites:** MRSC5011 Professional Practice Rad Therapy 1 **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study will develop the students' 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.

MRSC5013
Professional Practice Radiography 3

Credit points: 6 **Session:** Semester 1 **Classes:** 4-6hrs/week of lectures and tutorials **Prerequisites:** MRSC5005 Professional Practice Radiography 2 **Assessment:** Assignments, exam **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:** Ms Elisabeth Kilburn-Watt **Session:** Semester 2 **Classes:** 4-6hrs/week of lectures and tutorials, directed independent work, practical **Prerequisites:** MRSC5013 Professional Practice Radiography 3 **Assessment:** Assignments, exam **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 **Session:** Semester 1 **Classes:** On-campus, seminars, directed independent work **Prerequisites:** MRSC5008 Honours Dissertation A **Assessment:** Thesis dissertation, presentation **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 **Session:** Semester 1 **Classes:** Lectures, directed independent work, practical **Prerequisites:** MRSC5010 Professional Practice Nuclear Medicine 2 **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy **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
Christen P, Bernier D and Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5023
Professional Practice Nuclear Medicine 4

Credit points: 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 2 **Classes:** On-campus lectures, directed independent work, practical **Prerequisites:** MRSC5022 Professional Practice Nuclear Medicine 3

Assessment: Assignments, exam **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy **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
Christen P, Bernier D and Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5024
Professional Practice Rad Therapy 3

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus lectures, directed independent work, practical **Prerequisites:** MRSC5012 Professional Practice Radiation Therapy 2 **Assessment:** Assignments, exam **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.

MRSC5025
Professional Practice Rad Therapy 4

Credit points: 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 2 **Classes:** On-campus lectures, directed independent work, practical **Prerequisites:** MRSC5024 Professional Practice Radiation Therapy 3 **Assessment:** Assignments, exam **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.

MRSC5026
Clinical Studies Radiography 1

Credit points: 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1 **Classes:** On-campus: clinical centres **Assessment:** Case studies, practical assessment, assignments **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 **Prerequisites:** MRSC5026 Clinical Studies Radiography 1 **Assessment:** Case studies, practical assessment, assignments **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. Students will participate in a range of practitioner skills workshops in preparation for more complex procedures.

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:** Case studies, practical assessment, assignments **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.

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: clinical sites **Prerequisites:** MRSC5028 Clinical Studies Radiography 3 **Assessment:** Case studies, practical assessment, assignments **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 Tracey Smith **Session:** Semester 1 **Classes:** On-campus: clinical centres **Assessment:** Case studies, practical assessment, assignments **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 Tracey Smith **Session:** Semester 2 **Classes:** On-campus: clinical centres **Prerequisites:** MRSC5030 Clinical Studies Nuclear Medicine 1 **Assessment:** Case studies, practical assessment, assignments **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 **Session:** Semester 1 **Classes:** On-campus: clinical sites **Prerequisites:** MRSC5031 Clinical Studies Nuclear Medicine 2 **Assessment:** Case studies, practical assessment, assignments **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 Tracey Smith **Session:** Semester 2 **Classes:** On-campus: clinical sites **Prerequisites:** MRSC5032 Clinical Studies Nuclear Medicine 3 **Assessment:** Case studies, practical assessment, assignments **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 Tracey Smith **Session:** Semester 1 **Classes:** On-campus: clinical centres **Assessment:** Case studies, practical assessment, assignments **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 Tracey Smith **Session:** Semester 2 **Classes:** On-campus: clinical centres **Prerequisites:** MRSC5034 Clinical Studies Radiation Therapy 1 **Assessment:** Case studies, practical assessment, assignments **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 Tracey Smith **Session:** Semester 1 **Classes:** On-campus: clinical sites **Prerequisites:** MRSC5035 Clinical Studies Radiation Therapy 2 **Assessment:** Case studies, practical assessment, assignments **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 Tracey Smith **Session:** Semester 2 **Classes:** On-campus: clinical sites **Prerequisites:** MRSC5036 Clinical Studies Radiation Therapy 3 **Assessment:** Case studies, practical assessment, assignments **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:** Assoc Prof Steven Meikle **Session:** Semester 1 **Classes:** On-campus, lectures, directed independent work, practical **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Assignments, exams **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. The concepts of biology, chemistry and oncology as required will be synchronised with the learning undertaken in the professional practice studies. Image production and physics of ionising radiation equipment and instrumentation will be taught.

MRSC5039
Medical Radiation Science Radiography 3

Credit points: 6 **Teacher/Coordinator:** Dr Ian Barrie Egerton **Session:** Semester 2 **Classes:** On-campus, lectures, directed independent work, practical **Prerequisites:** MRSC5038 Medical Radiation Science Radiography 2 **Assessment:** Assignments, exams **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:** Assoc Prof Steven Meikle **Session:** Semester 1 **Classes:** On-campus, lectures, directed independent work, practical **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Assignments, exams **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. The concepts of biology, chemistry and oncology as required will be synchronised with the learning undertaken in the professional practice studies. Image production and physics of ionising radiation equipment and instrumentation will be taught.

MRSC5041
Medical Radiation Science Nuclear Med 3

Credit points: 6 **Teacher/Coordinator:** Dr Ian Barrie Egerton **Session:** Semester 2 **Classes:** On-campus, lectures, directed independent work, practical

Prerequisites: MRSC5040 Medical Radiation Science Nuclear Med 2 **Assessment:** Assignments, exams **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:** Assoc Prof Steven Meikle **Session:** Semester 1 **Classes:** On-campus, lectures, directed independent work, practical **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Assignments, exams **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. The concepts of biology, chemistry and oncology as required will be synchronised with the learning undertaken in the professional practice studies. Image production and physics of ionising radiation equipment and instrumentation will be taught.

MRSC5043
Medical Radiation Science Rad Therapy 3

Credit points: 6 **Teacher/Coordinator:** Dr Ian Barrie Egerton **Session:** Semester 2 **Classes:** On-campus, lectures, directed independent work, practical **Prerequisites:** MRSC5042 Medical Radiation Science Rad Therapy 2 **Assessment:** Assignments, exams **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:** Mr 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:** Portfolio **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will allow students to critically explore changing technology and advanced practice in the medical radiation sciences. This unit builds upon the professional practice units of study and consolidates the generic attributes of graduates of the university. The focus will be interventional procedures, paediatric imaging and treatment, image interpretation, image fusion, tracers, quality control and radiation protection. Furthermore, the focus will follow an evidence based practice approach.

MRTY5024
Current Issues in Medical Radiations

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

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

MRTY5030
Advanced Radiographic Pathology

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Lewis, Dr Ann Poulos **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study will enhance the image interpretation and critiquing skills utilised by the diagnostic radiographer. The unit of study will comprise an introductory module based on paediatric pathology followed by the pathology of the central nervous, genitourinary, gastrointestinal, skeletal, chest and cardiac systems. This unit will be presented in a series of distance education modules that will be supported by online internet discussion groups. The assessment will be tailored to the clinical needs of individual students.

Textbooks
McCance K & Hvether S, Pathophysiology: The Biological Basis for Disease In Adults And Children (3rd ed), Mosby (1998) would be useful

MRTY5039
CT Applications

Credit points: 6 **Teacher/Coordinator:** Ms Karen Dobeli, Mr Warren Reed **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, 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. There is a strong focus on 3-D and virtual imaging techniques with reference to current research evidence. 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, no exam **Practical field work:** Access to CT scanner is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

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 residentials. 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, Mr Charbel Saade **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, 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, 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. 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:** Mr Peter Kench **Session:** Semester 1 **Classes:** Distance education **Assessment:** Negotiated assessment, exam unlikely **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 Peter Kench **Session:** Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5043 Directed Studies A **Assessment:** Negotiated assessment, exam unlikely **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.

MRTY5047
History of Medical Radiations

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench, Mr Paul Richards **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

The study of history provides the opportunity to learn and understand the strengths and mistakes of the past and to plan for improving the future. Medical radiations has a history in excess of 100 years and most would agree the technology will continue to change indefinitely. Despite this technological progress, the medical radiations profession is still developing its standing in the health industry. The unit aims to provide an insight into the past with a view to empowering the future. The unit will develop research and writing skills through the study of areas such as early radiation discovery, the dominance of radiologists, the rise and future of the nuclear debate, medical radiations education and independent private practice. The unit will be offered in off-campus mode supported by email discussion groups.

MRTY5051
MR Theory

Credit points: 6 **Teacher/Coordinator:** Mr Bosco Yu, Mr John Robinson **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Practical field work:** Access to MRI would assist the student to complete the assessments **Campus:** Cumberland **Mode of delivery:** Distance Education

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 and DVD.

MRTY5052
MR Applications 1

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5051 MR Theory **Assessment:** Continuous assessment, 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:** Ms Sheryl Foster, Mr John Robinson **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5051 MR Theory **Assessment:** Continuous assessment, 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 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.

MRTY5054
Nuclear Cardiology

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** Basic principles of nuclear medicine imaging **Assessment:** Assignments and seminar in-service **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study examines the application of radionuclides and imaging procedures to the investigation of the cardiovascular system. The focus will be on the use of nuclear cardiology to measure myocardial perfusion and cardiac function. New directions in nuclear cardiology will also be examined. The student will be encouraged to examine the application of new cardiac imaging techniques and technologies in the workplace and develop a research project in a selected area of nuclear cardiology. This subject will be presented in a series of distance education modules that will be supported by email discussion groups.

MRTY5056
Patient/Practitioner Communication

Credit points: 6 **Teacher/Coordinator:** Mr John Atyeo **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, 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

MRTY5057
Prevention and Care of Radiation Injury

Credit points: 6 **Teacher/Coordinator:** Ms Rachel Beldham-Collins, Mr Mark West **Session:** Semester 1 **Classes:** Distance education **Assumed knowledge:** Basic biology **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit extends the radiation therapist's knowledge of the radiation injuries commonly seen in a radiation oncology department. The mechanism of injury is examined, and methods of dealing with radiation therapy sequelae are addressed. Content includes physiology of radiation injury, including erythema, gastro-intestinal complications and haematopoietic complications, pharmacology for radiation injury, and wound healing and dressings. The subject will be presented in distance education mode, with no residential school.

Textbooks
Essential reading is supplied

MRTY5058
Quality Management in Medical Radiations

Credit points: 6 **Teacher/Coordinator:** Mr Paul Richards, Mr Peter Kench **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, 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

MRTY5059
Radiation Safety

Credit points: 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study provides participants with a detailed coverage of radiological health and safety issues including both ionising and non-ionising radiations. The unit is particularly concerned with all aspects of radiation safety in the medical environment, including a broader understanding of the relevance of radiation safety principles and a comprehensive appraisal of legal responsibilities. The unit will be presented in a series of distance education modules.

Textbooks
Dowd SB & Tilson ER, (1999) Practical Radiation Protection and Applied Radiobiology;
Cember H, (1996) Introduction to Health Physics

MRTY5060
Radiation Therapy Tmt Planning Systems

Credit points: 6 **Teacher/Coordinator:** Mr Mark West **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** MRTY5038 Diagnostic Imaging for Radiation Therapists is useful but not essential **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study provides the radiation therapist with an understanding of the functional features of and differences between two and three-dimensional treatment planning systems. The image processing tools available on treatment planning systems will be described and an overview of dose computation methods will be presented. Emphasis is placed on the visualisation methods available on 3-D planning systems. These methods are described and their potential advantages and limitations are discussed. Students will be given the opportunity to investigate the application and impact of 3-D treatment planning on clinical practice. The unit will be presented in a series of distance education modules which will be supported by online internet discussion groups.

Textbooks
Essential reading is supplied

MRTY5062
Specialised Skeletal Scintigraphy

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit aims to extend the learning and clinical ability of graduate students in best practice contemporary skeletal nuclear medicine. The student will develop an understanding of skeletal disease processes and the required nuclear medicine imaging procedure for optimal diagnosis. Key topics include: sports, paediatrics, infection imaging and an understanding of the integration of other imaging modalities to increase specificity of diagnosis. At the completion of this module, the technologist will have an increased understanding of the acquisition requirements for bone studies that aids the specificity of reporting.

MRTY5063
Applied Positron Emission Tomography

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

With the advent of Positron Emission Tomography (PET) gamma cameras, there is a need to understand the underlying principles of coincidence imaging and PET radiopharmaceuticals. This unit will examine the safety issues related to the handling of PET isotopes

and patient imaging. Instrumentation and imaging principles will be examined, and applications of FDG imaging within the nuclear medicine department will be included. This unit will be presented in a series of distance education modules.

MRTY5064
Stabilisation and Positioning

Credit points: 6 **Teacher/Coordinator:** Dr Jenny Cox **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers in detail the latest research into stabilisation and positioning of the radiation therapy patient. Detection of patient and organ movement, the differences between stability and reproducibility, and random and systematic errors are investigated. Students will select a particular stabilisation or positioning problem and investigate ways of addressing the problem. This subject will be presented in a series of distance education modules which will be supported by online internet discussion groups.

Textbooks
Essential reading is supplied

MRTY5067
Professional Issues

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education and block attendance **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit introduces students to medico-legal and patient relationship issues which may be encountered in the field of sonography. It also introduces students to the ethical principles required in order to develop an understanding of professionally accepted behaviours and standards appropriate to the practice of medical sonography within the broad context of the delivery of health care. Modules are offered for study in distance mode. These are combined with discussion of the issues presented, at an on-campus block.

MRTY5068
Physics and Instrumentation II

Credit points: 4 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 1 **Classes:** Distance education and block attendance **Prerequisites:** MRTY5088 Physics and Instrumentation I **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit builds on the physical principles and instrumentation of diagnostic ultrasound presented in MRTY5088 Physics and Instrumentation I. It covers areas such as quality assurance programs for instrumentation, the interaction of ultrasound and biological tissue and the possible biological effects which may occur, and the principles of image formation and processing as applied in ultrasound instrumentation. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

MRTY5069
Sonography in Obstetrics and Gynaecology

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Tong **Session:** Semester 1 **Classes:** Distance education and block attendance **Assessment:** Assignments, film reading, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit examines in detail sonography of soft tissues in the female pelvis and in obstetrics. Distance learning modules are provided and are supported with on-campus block lectures and tutorials.

MRTY5070
Cardiac Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1 **Classes:** Distance education and block attendance **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit examines sonography of the adult heart in detail, and introduces paediatric echocardiography and congenital conditions encountered in adult practice. In addition, some complimentary techniques used in cardiac diagnosis and care are presented. Distance learning modules are provided and are supported by on-campus lectures and tutorials.

MRTY5071
Vascular Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Joanne Lomas **Session:** Semester 1 **Classes:** Distance education and block attendance **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study provides students with an understanding of both non-invasive and sonographic methods of detection of vascular disease processes. Distance learning modules are provided and are supported by on-campus lectures and tutorials.

MRTY5072
Independent Study in Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education: on-campus attendance may not be necessary **Assessment:** As negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will allow students to engage in an investigation of sonographic practice not covered by the existing units of study and will require a learning contract negotiated between the student and staff. While regular communication with the nominated supervisor will be required, on-campus attendance may not be necessary.

MRTY5073
Abdominal Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Tong **Session:** Semester 2 **Classes:** Block attendance **Assessment:** Assignments, film reading test, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit examines in detail sonography of the soft tissues of the upper abdomen and the male pelvis. Distance learning modules are provided and are supported with online tutorials, and lectures and tutorials in an on-campus block.

MRTY5074
Superficial Structures Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Joanne Lomas **Session:** Semester 2 **Classes:** Distance education and block attendance **Assessment:** Assignments, film reading, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit examines in detail sonography applied to superficial organs and structures, including basic peripheral vascular, introduction to cardiac and musculoskeletal sonography. Distance learning modules are provided and supported by lectures and tutorials in an on-campus block.

MRTY5075
Cardiac Measurement Techniques

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education and block attendance **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit covers cardiac physiological measurement techniques used in clinical settings. Distance learning modules are provided and are supported by lectures and tutorials in an on-campus block.

MRTY5076
Paediatric Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education **Assessment:** Assignments as negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers general sonography as applied to the paediatric patient, including patient care and studies unique to the paediatric population. This unit will be facilitated in a distance education mode.

MRTY5078
Clinical Prac in Abdominal Sonography

Credit points: 4 **Teacher/Coordinator:** Ms Belinda Tong **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5073 Abdominal Sonography.

MRTY5079
Clinical Prac in Ob & Gyn Sonography

Credit points: 4 **Teacher/Coordinator:** Ms Belinda Tong **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5069 Sonography in Obstetrics and Gynaecology.

MRTY5080
Clinical Prac in Superficial Str Sono

Credit points: 4 **Teacher/Coordinator:** Ms Joanne Lomas **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5074 Superficial Structures Sonography.

MRTY5081
Clinical Practice in Vascular Sonography

Credit points: 4 **Teacher/Coordinator:** Ms Joanne Lomas **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of vascular sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5071 Vascular Sonography.

MRTY5082
Clinical Prac in Cardiac Measurements

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 8hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of cardiac measurement techniques in the clinical environment, in order for the student to develop skills as taught in MRTY5075 Cardiac Measurement Techniques.

MRTY5083
Clinical Practice in Cardiac Sonography

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of cardiac sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5070 Cardiac Sonography.

MRTY5084
Clinical Prac in Paediatric Sonography

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of paediatric sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5076 Paediatric Sonography.

MRTY5085
Clinical Practice in Independent Study

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessment **Practical field work:** Minimum 18hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of an investigation of sonographic practice in the clinical environment, in order for the student to develop skills as acquired in MRTY5072 Independent Study in Sonography.

MRTY5086
Investigative Project

Credit points: 8 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit provides the student with the opportunity to undertake a supervised project. This will consist of either a substantial literature review and critique on a topic of interest to the student from the student's major field, or a research oriented project in which the student may carry out a small pilot study aiming towards the development of a research proposal for a future higher research degree. This unit of study can be facilitated on or off-campus.

MRTY5087
Advanced MR Theory

Credit points: 6 **Teacher/Coordinator:** Mr Patrick Wong, Mr John Robinson **Session:** Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5051 MR Theory **Assessment:** Continuous assessment, no exam **Practical field work:** Access to MRI is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study is designed to articulate with the unit MRTY5051 MR Theory, and expand the practitioner's understanding of flow phenomena and the techniques of TOF-MRA, PC-MRA and CE-MRA. The applications of all these in medical imaging will be thoroughly explored and would require the practitioner to have access one or two days a week to a magnetic resonance imaging site. The delivery will be in distance education mode and will utilise a range of media, including printed material and DVD.

MRTY5088
Physics and Instrumentation I

Credit points: 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 1 **Classes:** Block attendance **Assessment:** Assignments, test, compulsory pass exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit presents the basic physical principles and instrumentation of diagnostic ultrasound. It includes methods of image production, interpretation, recording techniques, the principles of grey scale echography and adjustment procedures for relevant operation controls. The unit also covers the recognition of artefacts within an image and the ability to separate these artefacts from anatomy or disease, and Doppler ultrasound fundamentals. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

Textbooks
Hedrick WR, Hykes DL & Starchman DE, Ultrasound Physics and Instrumentation (4th ed), Elsevier Mosby, St Louis (2005)
Kremkau FW, Diagnostic Ulrasound: Principles and Instruments (7th ed), Saunders Elsevier, St Louis (2006)

MRTY5090
Advanced Multiplanar Anatomy A

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Lewis, Dr Ann Poulos **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, 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, 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.

MRTY5096
Advanced Nuclear Medicine Practice

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** Clinical experience in nuclear medicine **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study will provide the student with knowledge of the limitations and artefacts common to nuclear medicine studies, an understanding of the factors to be considered in the interpretation of nuclear medicine studies plus skills in writing a provisional diagnosis. They will therefore require access to a nuclear medicine specialist as a mentor.

MRTY5097
CT for Nuclear Medicine Technologists

Credit points: 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assumed knowledge:** Clinical experience in nuclear medicine **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study is directed at developing knowledge and understanding of computerised tomography (CT) as it applies to nuclear medicine. The overriding focus is on ensuring quality nuclear medicine CT studies and a high standard of radiation safety. The study content includes: 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 image co-registration in nuclear medicine CT systems; basic principles of radiography; quality control. The unit will be presented as a series of distance education modules.

MRTY5098
Radiographic Image Interpretation A

Credit points: 6 **Teacher/Coordinator:** Mr Steve Littlefair, Mr John Robinson **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, 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 Steve Littlefair, Mr John Robinson **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, 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 Steve Littlefair, Mr John Robinson **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, 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.

MRTY5102
Musculoskeletal Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1 **Classes:** Block mode **Assessment:** Assignments, film reading test, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit examines in detail sonography of the soft tissues of the musculoskeletal system. Teaching and learning in this unit will include intensive on-campus block sessions.

MRTY5103
Clinical Prac in Musculoskeletal Sono

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Recommended minimum 8hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as covered in MRTY5102 Musculoskeletal Sonography.

MRTY5104
Breast Sonography

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education, independent learning **Assessment:** Assignments, film reading test, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit examines in detail sonography of the soft tissues of the breast and related structures.

MRTY5105
Clinical Practice in Breast Sonography

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Recommended minimum 8hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit covers the application of sonography in the clinical environment in order for the student to develop skills as covered in MRTY5104 Breast Sonography.

MRTY5106
Breast Imaging

Credit points: 6 **Teacher/Coordinator:** Dr Anne Poulos **Session:** Semester 1, Semester 2 **Classes:** Distance education mode: independent learning package with email support **Assessment:** Continuous Assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide an integration of mammography theory and practice and includes the context of breast cancer and breast screening; the fundamentals of mammography, both digital and film/screen; radiation physics; positioning techniques and radiographer

and client interaction. An overview of emerging technologies in breast cancer detection is also provided.

Textbooks
Essential reading (articles, book extracts) provided in course notes

MRTY5107
Brachytherapy: Principles and Practice

Credit points: 6 **Teacher/Coordinator:** Mr Tom Wilson **Session:** Semester 1 **Classes:** Distance education mode: independent learning package with email support **Prohibitions:** Not available to students who have previously completed MRTY5094 Brachytherapy Theory. **Assessment:** Continuous Assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit will provide an historical overview of brachytherapy, and knowledge of the fundamental principles and treatment techniques of brachytherapy. The planning and treatment delivery for some of the more common clinical uses and an understanding of the radiation safety and radiation protection requirements for the use of brachytherapy in practice will also be explored.

OCCP5070
Selected Topic

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: 127 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

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:** Ms Bernadette Walsh **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 instructor **Assessment:** 4 assignments (25% ea). 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: 194 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:** Ms Bernadette Walsh **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 instructor **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: Deapartment 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

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

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. Note: 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.

OCCP5186

Theory in Occupational Therapy

Credit points: 6 **Teacher/Coordinator:** Dr Ruth Beltran **Session:** Semester 1 **Classes:** Web-based **Assessment:** Contribution to online discussion, equivalent to 2800 words (50%), 1200 word assignment (20%), 2000 word assignment (30%) **Campus:** Cumberland **Mode of delivery:** On-line

The purpose of this unit of study is for students to investigate theoretical and practice issues that impact on knowledge development and practice in occupational therapy. Epistemological orientation to theory development and practice, conceptual and theoretical structures in occupational therapy, and framework for theory description, analysis, and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an enhanced ability to critically appraise theoretical frameworks and conceptual models relevant to occupational therapy. Furthermore the student will engage in an in-depth analysis of a relevant theoretical framework or conceptual model and examine its application and impact on relevant areas of practice and research.

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)

OCCP5189

Consultation: The Other Service Delivery

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Professor Anita Bundy **Session:** Semester 2 **Classes:** 5 day workshop with a WebCT mode **Assessment:** 3000 word report of consultation (50%), oral presentation (30%), self assessment (20%) **Practical field work:** This course provides students with the knowledge base and skills needed to deliver health care services through consultation **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Collaborative (process) consultation is about helping clients solve their own problems. It can be used, in health care, education, and other settings as an adjunct to, or in place of, direct intervention with adults or children. The course explores various models of consultation with an emphasis on building collaborative relationships and conducting process consultation. We apply principles of consultation to the students' practice environments. Critical components of the course include interpersonal communication, collaborative problem solving, and interviewing. The course will involve conducting a consultation intervention with mentoring from the instructor and classmates. There is a WebCT component.

Textbooks

Schein EH, Process Consultation Revisited: Building the Helping Relationship. Addison Wesley, Sydney (1999)

OCCP5191

Assessing Play: ToP to TOES

Credit points: 3 **Teacher/Coordinator:** Prof Anita Bundy **Session:** Semester 2 **Classes:** 3 day block mode **Assumed knowledge:** Moderate knowledge of normal child development **Assessment:** 3000 word paper **Practical field work:** Students learn to administer, score, and interpret the results of the assessments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Available to MOT students

This course provides students with in-depth knowledge of two observational assessments of children's play: The Test of Playfulness (ToP) and the Test of Environmental Supportiveness (TOES). The ToP is based on a conceptualisation of play that includes intrinsic motivation, internal control, the freedom to suspend some aspects of reality, and the ability to give and read cues. The TOES is set in the context of children's motivations for play and examines the supportiveness of various aspects of the environment.

OCCP5199

Using Water to Promote Participation

Credit points: 6 **Teacher/Coordinator:** Prof Anita Bundy **Session:** Semester 1 **Classes:** On-campus, block mode (5 days) **Assessment:** 6000 word assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Open to MOT students

Water-based intervention may widen clients' experiences and provide learning and developmental experiences- physically, emotionally, socially and cognitively. Students will get in addition to an introduction more advanced theory and practice about hydrodynamics. We will reflect on assessment of clients' abilities in water, on designing activities in water to meet the goals of the clients, and on designing progression in the activities. In this course there will be 2 more pool-practices: one on assessment and one on activities. Learning activities will consist of lectures, group-based reflections, group-work, videos and pool-practice.

OCCP5206

Specialist Intervention

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:** 5000 word assignment or alternative **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: Open to MOT students

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

Textbooks

List of core references available

OCCP5207
Assessing Evidence for OT Practice

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus sessions, e-learning **Corequisites:** OCCP5211 Fieldwork 1 **Assessment:** In-class presentation, written paper, mini tasks, exam **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 evidence they locate and critique with regard to clinically relevant questions.

OCCP5208
Biomechanical & Sensorimotor Strategies

Credit points: 6 **Session:** Semester 2 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Prerequisites:** OCCP5217 OT Assessment and Planning **Assessment:** Seminar presentation, written paper, vivas **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.

OCCP5209
Evaluating OT Outcomes

Credit points: 3 **Session:** Semester 1 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Prerequisites:** OCCP5207 Assessing Evidence for OT Practice, OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2 **Assessment:** Seminar presentation, written paper **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces students to functional outcome measures addressing a range of dimensions, including the person, the environment, and the occupation. Students will build on the knowledge and skills developed in OCCP5207 Assessing Evidence for OT Practice, demonstrating professionalism and social responsibility in the use of occupational therapy outcome measures. In this unit of study, students will learn about concepts relating to outcome measures; how they are used in occupational therapy practice; how to develop appropriate goals for clients and identify outcome measures used to evaluate whether goals have been achieved; and locate and critique relevant literature on outcome measures. Students will also have the opportunity to develop discipline-specific technical competencies in the use of a number of outcome measures. In order to promote personal and intellectual autonomy, students will identify and articulate their own learning needs and goals arising from the clinical environment.

OCCP5210
Evaluating OT Programs

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Prerequisites:** OCCP5207 Assessing Evidence for OT Practice, OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5217 OT Assessment and Planning **Corequisites:** OCCP5209 Evaluating OT Outcomes, OCCP5213 Fieldwork 3 (if enrolled in full-time studies) **Assessment:** Seminar presentation, evaluation proposal **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Evaluation of occupational therapy programs is a core competency identified by the national professional body. This unit of study gives students the opportunity to utilise their developing research and inquiry knowledge by applying it to occupational therapy practice evaluation. It is designed to introduce students to some of the issues and practices associated with program and professional activity evaluation. The purpose of this unit of study is to enable students to be leaders in the production of new knowledge and understanding through inquiry, critique and synthesis. Students will respond to needs and opportunities in the profession, working effectively as change agents in various communities of practice. This unit of study will allow students to contribute to interdisciplinary practice through the development of practical evaluation proposals based on their experiences in fieldwork.

OCCP5211
Fieldwork 1

Credit points: 3 **Session:** Semester 1 **Classes:** On-campus preparation and debriefing. 4 weeks at 2 days/week supervised observational fieldwork **Corequisites:** OCCP5216 Human Occupations, OCCP5217 OT Assessment and Planning **Assessment:** Assessment of fieldwork performance, fieldwork assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study will engage students in the process of exploring occupational therapy in practical settings. Interaction with occupational therapists and other members of multidisciplinary teams will establish solid foundations for the variety of interdisciplinary learning opportunities available throughout the course. Students will engage in observation of occupational therapy practice and guided self-reflection to identify their personal learning needs, existing strengths and required capabilities of occupational therapists. At completion of the unit, students will be able to discuss the capabilities and roles of occupational therapists and engage in professional discourse regarding their own learning needs.

OCCP5212
Fieldwork 2

Credit points: 3 **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. 6 weeks at 2 days/week supervised fieldwork with concurrent e-learning tasks **Prerequisites:** OCCP5211 Fieldwork 1 **Corequisites:** OCCP5223 Reflexive Practice 1 **Assessment:** Assessment of fieldwork performance, fieldwork assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

This unit of study will engage students in the process of developing skills in elements of the occupational therapy process in practical settings. Students will focus on developing practical skills in the areas of communication, interaction and implementation under supervision. Appropriate opportunities to learn within interdisciplinary teams will be available and students will engage in facilitated peer discussions via electronic media. At completion of this unit of study, students will document achievement of competency in a suitable range of appropriate practice skills. This unit is articulated with and will directly inform learning and development in the unit of study OCCP5223 Reflexive Practice 1.

OCCP5213
Fieldwork 3

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus preparation and debriefing. 13 weeks at 2 days/week project-based fieldwork **Prerequisites:** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2 **Assessment:** Assessment of fieldwork performance, fieldwork assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Students will develop and implement a structured fieldwork project over the course of the semester. Students will be supported to work independently and will make regular reports to key stakeholders on progress. This project, completed either individually or as part of larger teams, will focus on enabling participation within a diverse range of communities. This unit will develop learners' capacities across a broad range of capabilities, but will especially focus upon leadership and management, vision and change agency. This unit of study will provide opportunities for formal and informal interprofessional learning. Weekly e-learning tasks, based around peer support and moderated peer

learning, will assist in the extension and deepening of the application of occupational therapy theory to practice.

OCCP5214
Fieldwork 4

Credit points: 9 **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. 8 weeks full-time fieldwork **Prerequisites:** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5213 Fieldwork 3 **Assessment:** Assessment of fieldwork performance, fieldwork assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Extended fieldwork placements provide students with the opportunity to consolidate apply and extend knowledge of occupational therapy practice with a focus on all 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 within this unit of study. As participants within a range of different interdisciplinary teams, students will have a variety of opportunities to engage in formal and informal interprofessional learning within this unit of study. During this time, students will also maintain contact with each other to extend vision regarding the range of occupational therapy practice, deepen knowledge of planning, implementation and evaluation and will develop skills in the application of research and inquiry skills within a range of practice communities.

OCCP5215
Fieldwork 5

Credit points: 9 **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. 8 weeks full-time fieldwork **Prerequisites:** OCCP5211 Fieldwork 1, OCCP5212 Fieldwork 2, OCCP5213 Fieldwork 3, OCCP5214 Fieldwork 4 **Assessment:** Assessment of fieldwork performance, fieldwork assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Extended fieldwork placements provide students with the opportunity to consolidate apply and extend knowledge of occupational therapy practice with a focus on all graduate capabilities. This final fieldwork experience will allow students to participate within a range of practice communities with developing independence and autonomy. 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 within this unit of study. As participants within a range of different interdisciplinary teams, students will have a variety of opportunities to engage in formal and informal interprofessional learning within this unit of study. During this time, students will also maintain contact with each other to extend their vision regarding the range of occupational therapy practice, deepen knowledge of planning, implementation and evaluation and will develop skills in the application of research and inquiry skills within a range of practice communities.

OCCP5216
Human Occupations

Credit points: 3 **Session:** Semester 1 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Assumed knowledge:** Biomedical and behavioural sciences knowledge **Assessment:** Seminar presentation, written paper **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the concepts and philosophies which are foundations underlying current and future directions of occupational therapy practice. The concept of occupations as they are understood in occupational therapy practice will be explored together with the theory and practice of activity analysis that underpins occupational therapists understanding of occupations. Students will come to an understanding of the capabilities that underpin occupational therapy practice and are developed throughout the course. They will also come to an understanding of the problem-based nature of the curriculum.

OCCP5217
OT Assessment and Planning

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Corequisites:** OCCP5216 Human Occupations **Assumed knowledge:** English and computing skills **Assessment:** Case presentations, interview, case study, exam **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 **Session:** Semester 2 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Prerequisites:** OCCP5217 OT Assessment and Planning **Corequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies **Assessment:** Seminar presentation, written paper, graded e-learning activities, and/or vivas **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 **Session:** Semester 2 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Prerequisites:** OCCP5217 OT Assessment and Planning, OCCP5222 Psychosocial & Cognitive Strategies **Corequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies **Assessment:** Seminar presentations, written papers **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 adaptions 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 adaptions 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 **Session:** Semester 1 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Corequisites:** OCCP5217 OT Assessment and Planning **Assessment:** Seminar presentation, written papers **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.

OCCP5223
Reflexive Practice 1

Credit points: 3 **Session:** Semester 2 **Classes:** One day/week tutorial and seminar **Corequisites:** OCCP5212 Fieldwork 2 **Assessment:** Seminar presentation, reflective exercises **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will explore the nature of reflexivity as a core capability in professional practice. It will refine and develop students' capabilities as critical, lifelong learners. Using experiences from fieldwork and other units of study, students will present their experiences to their peers and reflect upon their development as occupational therapists in training. In keeping with the principles of peer learning and the ability to critically appraise and develop from past experience, students will integrate, explain and present their experiences with reference to a variety of approaches to practice. The shared student experience will enhance the capacity for vision, professionalism and reflexivity.

OCCP5224
Reflexive Practice 2

Credit points: 3 **Session:** Semester 2 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning **Corequisites:** OCCP5215 Fieldwork 5 **Assessment:** Portfolio, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will further explore the nature of reflexivity as a core capability in professional practice. It will refine and develop students' capabilities as critical, lifelong learners. Using experiences from fieldwork and other units of study, students reflect on their experiences with their peers and plan ways of developing their OT and generic capabilities. This unit of study will assess students' capacity to integrate and apply content from their studies from across the course, in order to demonstrate they have met the capabilities needed to be a beginning occupational therapy practitioner, both as defined by the course aims and as reflected by OT Australia professional competencies. They will complete assessments including an open-book format exam at the end of the course.

OCCP5225
Sensory Processing: Theory to Practice

Credit points: 6 **Teacher/Coordinator:** Prof Anita Bundy **Session:** Semester 2 **Classes:** Off campus, block mode (2 weekends) **Assumed knowledge:** Some paediatric experience preferred **Assessment:** 6000 word case study and detailed treatment plan **Campus:** Cumberland **Mode of delivery:** Block Mode

Applying sensory processing theory with children, this unit teaches a hands-on treatment course integrating concepts of sensory processing, theory, play and a direct treatment approach. This hands-on intervention course will occur on-site at the Sensory Gym in Hobartville, NSW. Each participant will have a mentored experience with direct intervention, observation, and reasoning. The format will include brief lectures on topics relevant to the participating children, hands-on intervention sessions, and discussion. Emphasis will be on application of sensory processing theory, play the DIR (floortime) approach and developing the 'art' of therapy. Participants will co-treat the same child for 3-4 sessions. Partcipants will report to parents and serve as observers/discussants for classmates working with different children.

Textbooks
Bundy A, Lane S, & Murray E, Sensory Integration Theory and Practice (2nd ed.), FA Davis Company, Philadelphia (2002)
Greenspan SI, Simon R & Wieder S, The Child with Special Needs: Encouraging Intellectual and Emotional Growth, Perseus Publishing, USA (1996)

OCCP5226
Assessing & Promoting Play with Children

Credit points: 3 **Teacher/Coordinator:** Prof Anita Bundy **Session:** Semester 2 **Classes:** Block/intensive mode, 2.5 days, 9am-5pm **Assumed knowledge:** Knowledge of child development **Assessment:** 2000 word essay (75%), class participation (25%) **Practical field work:** This unit is conducted via small groups and is very interactive **Campus:** Cumberland **Mode of delivery:** Block Mode
Note: Department permission required for enrolment.

Play is a primary occupation of children and a powerful tool for intervention. However, play often is a problem. Health care professionals and educators, for example, may feel that play is not as important as other aspects of children's programs or they may feel that others will think less of them if they play with children. Second, play defies definition. Is it frivolous behaviour done only for fun? Is it rehearsal for adult life? Is it simply a way to get children to do things they otherwise disdain? Finally, if we want to promote play, we need some way to assess it. Play is in the title of a number of assessment tools. Which one is the best to use? We explore our own beliefs about play and how we might help caregivers value play and give themselves and their children permission to play. We also examine the phenomenon of play as members of a number of different professional backgrounds have described it. We explore existing play assessments in a general way. Finally, we investigate how to turn transactions into play when they otherwise seem interminable.

Textbooks
Parham LD & Fazio LS (eds), Play in Occupational Therapy for Children (2nd ed), Mosby

OCCP5228
Person - Enviromment - Occupation

Credit points: 6 **Session:** Semester 1 **Classes:** 3hr workshop/week for 13 weeks **Prerequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments, OCCP5222 Cognitive and Psychosocial Strategies **Assessment:** Online participation, workshop facilitation as part of a small group, 1500 word individual assignment **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.

OCCP5229
Honours A: Project Development

Credit points: 3 **Session:** Semester 1 **Classes:** 2hr tutorial/week for 13 weeks. Individual supervision with allocated supervisor **Prerequisites:** OCCP5207 Assessing Evidence for OT Practice **Corequisites:** BACH5341 Research & Inquiry in the Health Professions **Assessment:** Presentation of research proposal (10%), literature review (50%), research proposal (40%) **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. 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.

OCCP5230
Honours B: Research Analysis and Report

Credit points: 3 **Session:** Semester 2 **Classes:** Individual negotiated supervision time with allocated supervisor. Negotiated group sessions around full-time fieldwork time commitments **Prerequisites:** OCCP5229 Honours A: Project Development, BACH5268 Developing a Research Program or BACH5341 Research & Inquiry in the Health Professions **Assessment:** Seminar presentation of research findings (20%), research manuscript (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.

OCCP5231
Client-Centred Assessment in OT

Credit points: 6 **Teacher/Coordinator:** Mr Steve Park **Session:** Semester 2 **Classes:** Block/intensive mode 5 days, followed by independent learning **Assessment:** Case study project **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

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 perpective 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.

OCCP5234
Computer Access & Environmental Control

Credit points: 6 **Teacher/Coordinator:** Dr Graeme Smith **Session:** Semester 2 **Classes:** Block mode: 2 day workshop, plus online web learning **Assessment:** Contribution to online discussion (20%), critical review of literature (30%), 3000 word case study assignment (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit examines computer access and environmental control assistive technology. Participants will learn how this process is shaped by available evidence and client presentation, as well as by the clinician's personal and organisational experience. The influence of legal, economic, political, social and technological contexts will also be examined. The course will include a study of the assessment process, report writing and medico-legal processes involving assistive technology. Recent attempts at measurement of outcomes in assistive technology will also be explored, along with developments in case-based reasoning. This unit will include hands-on evaluation of current technology during the workshop.

Textbooks
Cook AM and Polgar J, Cook and Hussey's Assisitive Technologies: Principles and Practice (3rd ed), Elsevier (2007)

ORTH5019
Special Study A

Credit points: 4 **Teacher/Coordinator:** Dr Robert Heard **Session:** Semester 1, Semester 2 **Classes:** Distance mode and 3hr/week staff supervised activities **Assessment:** 500-1000 word assignment (20%), 3000-3500 word assignment (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

ORTH5029
Clinical Management of Refractive Error

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Clunas **Session:** Semester 1, Semester 2 **Classes:** This unit of study will be delivered face-to-face and online using varied methods of delivery that will include: face-to-face teaching; e-learning **Assessment:** Online activities (2%), professional development log (3%), clinical portfolio (5%), end semester assessment (45%), clinical refraction exam (45%) **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

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

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)

ORTH5030
Paediatrics

Credit points: 6 **Teacher/Coordinator:** Mrs Neryla Jolly, Mrs Sue Silveira **Session:** Semester 1 **Classes:** Distance mode and 4hrs/week staff supervised activities **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C **Assessment:** 3 online exercises, 1 exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The student will study specific testing procedures for the paediatric population with emphasis on vision assessment. Common presenting problems resulting in visual or ocular motor disorders are studied and their relationship to embryology and genetics are considered where relevant. The role of the orthoptist in vision screening programs is

also studied. A variety of paediatric population will be included such as learning disabled and developmentally delayed children. The orthoptist's role in a multi-disciplinary health team will be emphasised.

ORTH5031
Eye Movement Disorders

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 1 **Classes:** Face-to-face teaching and web **Prerequisites:** ORTH5040 Binocular Vision and ORTH5043 Concomitant Strabismus **Assessment:** Selected case study analyses based on current discipline based knowledge, skills and evidence based research, plus written exam in Wks 15 &16 **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
Walsh and Hoyt, Clinical Neuro-ophthalmology, Williams and Wilkins

ORTH5032
Geriatrics

Credit points: 6 **Teacher/Coordinator:** Mrs Neryla Jolly **Session:** Semester 1 **Classes:** Distance mode and 4hr/week staff supervised activities **Prerequisites:** ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors **Assessment:** Two case studies (20% ea), two case studies (30% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The content in this unit concentrates on ageing of the general body systems, with specific emphasis on the ocular system. Content will be clinically based, delivered using case studies which the student critically analyses, to reach management strategies which specifically target the geriatric patient's complex needs. The integrative of the role the orthoptist in the investigation and management of age related ocular pathology will be presented. This will include conditions such as vascular, neurological, complex ophthalmic disorders and vision impairment. The supporting specific clinical investigation techniques of neuro ophthalmology will also be included.

ORTH5033
Professional Development

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1 **Classes:** Distance mode and 4hr/week staff supervised activities **Prerequisites:** BACH5268 Developing a Research Project or BACH5341 Research & Inquiry in Health Professions **Assumed knowledge:** Broad body of knowledge and clinical experience in orthoptics and ophthalmology, from completing earlier units of study **Assessment:** 500-1000 word assignment (20%), 3000-3500 word assignment (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit will permit the student to carry out an independent learning project by learning contract. The topic may be one relevant to the practice of orthoptics or in an area which the student has developed a particular interest. Students will be encouraged to use this unit as preparation for the unit of study ORTH5038 Research Project.

ORTH5034
Advanced Orthoptic Practice

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly **Session:** Semester 2 **Classes:** Distance mode and 4hr/week staff supervised activities **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors **Assessment:** Five case studies **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Clinical conditions with ocular disease or ocular motility disorders will be studied. Cases will be selected to challenge the student to apply recent outcomes identified in literature (clinical trials and epidemiological studies) relating to incidence of conditions, clinical investigation and treatment. Students will be encouraged to analyse the clinical responses and develop relevant treatment guidelines based on evidence and clinical reasoning. Content will include ophthalmic disease and complex systemic conditions, such as diabetes, stroke, thyroid disease; traumatic conditions such as head injury, blow out fractures.

ORTH5035
Professional Experience 2A

Credit points: 4 **Session:** Semester 2 **Classes:** Clinical experience off-campus **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors, ORTH5030 Paediatrics, ORTH5031 Eye Movement Disorders **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

This unit provides the student with clinical experience in investigation of incomitant squint. This includes intermittent, constant, congenital, acquired, neurogenic and mechanical conditions. It also provides experience in formulating management plans and communication related to patients with incomitant squint.

ORTH5036
Professional Experience 2B

Credit points: 4 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors **Assessment:** Ophthalmic clinical exam (80%), online case study (20%) **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

This unit provides the student with advanced clinical experience in the ophthalmic setting. Students will be given higher levels of responsibility than previously experienced in the ophthalmic setting, e.g., involvement in practice administration and management, pre and post-operative patient education, assistance in minor surgical procedures.

ORTH5037
Professional Experience 2C

Credit points: 4 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH5029 Clinical Management of Refractive Error, ORTH5032 Geriatrics, ORTH5031 Eye Movement Disorders **Corequisites:** ORTH5035 Professional Experience 2A, ORTH5036 Professional Experience 2B **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

This unit provides the student with advanced clinical experience in the rehabilitation setting, particularly with patients who have limited communication. Students will gain experience in a variety of rehabilitation settings including brain injury, vision impairment and developmental disability. Students will participate with the supervising clinician as a member of the multi-disciplinary team.

ORTH5038
Research Project

Credit points: 6 **Session:** Semester 2 **Classes:** Distance mode and 4hrs/week staff supervised activities **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors,

BACH5268 Developing a Research Project or BACH5341 Research & Inquiry in Health Professions, ORTH5033 Professional Development **Corequisites:** ORTH5035 Professional Experience 2A and ORTH5036 Professional Experience 2B or ORTH5037 Professional Experience 2C **Assessment:** Research project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit provides the student with the opportunity to carry out a small, supervised research project, either individually or in a group. Drawing on learning gained in the units BACH5341 Research & Inquiry in Health Professions and ORTH5033 Professional Development, the student will formulate a research question and conduct a pilot study on the topic.

ORTH5039
The Eye and Visual Systems

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1 **Classes:** This unit of study will be delivered face-to-face and online using varied methods of delivery that will include: face-to-face teaching; e-learning **Assessment:** Practical skills test (30%), critical analysis (10%), written exam in Wks 15 &16 (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
Bron A, Wolff's Anatomy of the Eye and Orbit, HK Lewis, London

ORTH5040
Binocular Vision

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 1 **Classes:** WebCT, face-to-face lectures, group work **Assessment:** Practical skills examination (40%) , 2hr exam in Wks 14 & 15 (60%) **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
Rowe F, Clinical Orthoptics (2nd ed), Blackwell Publishing (2004)

ORTH5041
Introduction to Professional Practice

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus lectures and tutorials supplemented with online activities **Assessment:** Class test (30%), practical (20%), exam (50%) **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
Anterior Seg & Ocular Surface Disorders

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 2 **Classes:** Face-to-face teaching and web-based **Assessment:** Mid semester class test (15%), practical exam (25%), 2hr written exam in Wks 14 &15 (60%) **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
Concomitant Strabismus

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly **Session:** Semester 2 **Classes:** Case study analyses to facilitate: independent learning, application of visual physiology to patient responses **Assessment:** Selected case study analyses based on current discipline based knowledge, skills and evidence-based research (30%), written exam (70%) **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 A

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Off-campus clinical attendance and online learning activities **Assessment:** Compulsory concomitant squint investigation exam (70%), online critical case analysis (20%), trial concomitant squint exam (10%) **Practical field work:** Off-campus tutorials and clinical attendance **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: offered sem 1 for SH124/SH131, offered sem 2 for SC110

This unit of study provides students with clinical application and experience in concomitant squint. The unit will combine specialised

patient centered 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 B

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Off-campus clinical attendance and online learning activities **Assessment:** Ophthalmic OSCE (compulsory) (70%), online critical case analysis (20%), ophthalmic skills manual (10%) **Practical field work:** Off-campus tutorials and clinical attendance **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: offered sem 1 for SH124/SH131, offered sem 2 for SC110

This unit of study provides students with clinical application and experience in the assessment and management anterior segment disease, particularly cataract and glaucoma, and fitting and management of the contact lens patient. The unit will combine specialised patient centered 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.

ORTH5046
Neuro Orthoptics

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly, Assoc Prof Elaine Cornell **Session:** Semester 1 **Classes:** Case presentation **Assessment:** Selected case study analyses based on current discipline based knowledge, skills and evidence based research **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will be introduced to the neurological investigation of patients with complex neuro-ophthalmic conditions. They will be encouraged to select appropriate tests to reveal the defect, including adaptations for associated physical and communication defects. The student will demonstrate an understanding of advanced clinical practice in a complex population that presents with multiple management factors. Topics include: neuro-ophthalmic investigation including the 12 cranial nerves; assessment of visual function in the presence of disability; stroke; head injury; headache; autonomic nervous system and pupil anomalies; visual field investigation and analysis; colour vision; and therapeutic approaches for neurological conditions.

ORTH5047
Research Project 1

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1 **Classes:** On-campus and Web-CT **Assessment:** Bibliography 15%, Critique of a journal article 30%, Participation in journal club 20%, Participation in online activities 35%. **Campus:** Cumberland **Mode of delivery:** On-line

The unit is designed to provide students an opportunity to investigate a research topic which is relevant to their professional practice. Students will examine a research topic and using current technologies; they will identify, critically evaluate and write about research relevant to the research topic. Students will examine aspects of ethics in research and apply that knowledge to the identification of ethical issues that may arise in the application of research relevant to the research topic. Students will also use current technology to find, read, and present information about research relevant to the research topic. 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. 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 C

Credit points: 6 **Session:** Semester 2 **Classes:** Off campus clinical attendance and online learning activities **Prerequisites:** ORTH5029 Clinical Management of Refractive Errors **Assessment:** Complex Squint Investigation Exam: 70% (Compulsory) Online Critical Case Analysis: 20% Trial Complex Squint Exam: 10% **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 complex squint. The unit will combine specialized patient centered 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 Web CT, and on campus briefing and debriefing sessions.

ORTH5049
Professional Practice D

Credit points: 6 **Session:** Semester 2 **Classes:** Off campus clinical attendance and online learning activities **Prerequisites:** ORTH5029 Clinical Management of Refractive Error **Assessment:** Advanced Ophthalmic OSCE: 70% (Compulsory) Online Critical Case Analysis: 20% Ophthalmic Skills Manual: 10% **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 assessment and management of complex ophthalmic disease. The unit will combine specialized patient centered 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 Web CT, and on campus Briefing and Debriefing sessions.

ORTH5050
Ocular Pathology

Credit points: 6 **Session:** Semester 2 **Classes:** On Campus lectures and tutorials supplemented with online activities **Assessment:** 2 x online assessments (35% & 50%); online activities (15%) **Practical field work:** Theoretical material will be supported by scheduled on campus hands on tutorial sessions. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides the student with an understanding of: The ageing process with emphasis on the ageing eye; the clinical presentation , investigation and management of the following ocular conditions: Eyelid conditions: entropian, ectropian, blepharospasm; Vascular disorders: diabetic retinopathy, hypertensive retinopathy, anterior ischaemic optic neuropathy; Maculopathies: ARMD, macular holes, oedema;

Cataract; Glaucoma; the roles of the orthoptist in day surgery and office based

minor surgical procedures.

This unit provides the student with understanding of a variety of geriatric conditions in ophthalmic practice, encompassing recent evidence-based practice in investigation and management. The most recent evidence for a variety of non-surgical treatments, as well as more conventional therapy, will be critically analysed.

Textbooks
Kanski Jack J, Clinical diagnosis in ophthalmology, Elsevier Mosby (2006)

ORTH5051
Research Project 2

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 2 **Classes:** On-campus and Web-CT **Assessment:** Literature review 25%, Research data proposal 10%, Data collection and analysis 25%, Final dissertation 40% **Campus:** Cumberland **Mode of delivery:** On-line

The unit will provide the students the opportunity to further investigate the research topic developed in Research Project 1 and to pose a research question. They will gain experience in writing in a concise academic style by performing a review of the scientific literature pertaining to the research question. Students will use their research skills to identify the data necessary to answer the research question. Under supervision, they will interrogate an existing database of research data and/or participate in the collection of data and will have

the opportunity to use current technology to perform statistical analysis. They will independently write a discussion of the results of their analysis in the context of the original research question.

ORTH5052
Current Topics in CVS

Credit points: 6 **Session:** Semester 2 **Classes:** WebCT, Group work, debates and discussions **Assessment:** Group work, selected case study, analyses based on current discipline based knowledge, skills and evidence based research **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.

Textbooks
No set textbooks, students will access variety of sources such as professional journals, conference proceedings and the Web

ORTH5054
Refraction Practice

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Clunas **Session:** Semester 1 **Classes:** Block mode (six 3hr tutorials) and web-based, distance education mode: independent learning package with email support **Assessment:** E-learning participation (2%), professional development log (3%), completion of refraction 'autobiography', refraction workbook and refraction tape assessment (5%), practical exam (45%), written exam (45%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

This unit will extend preliminary knowledge of refractive errors to include more complex issues such as the aetiology and development of myopia. Emphasis will be placed on the clinical evaluation of refractive error including methods of objective and subjective refraction, the prescription of spectacles as well as A-scan ultrasonography and corneal aberrometry. The student will study and be encouraged to critically analyse the methods of detection of refractive error, the impact on the individual (related to ocular posture and daily life skills), and the selection of the most appropriate method to correct the optical error; e.g., single focus vs progressive lenses in a variety of occupational situations. Aspects of optical dispensing, fitting of contact lenses and surgical correction of refractive errors will be included.

Textbooks
Cassin B and Hamed L, Fundamentals for Ophthalmic Technical Personnel (1995)
Duane's Clinical Ophthalmology CD-Rom (2007)
Stein H, Slatt B and Stein R, The Ophthalmic Assistant (1994)
Corboy J, The Retinoscopy Book: An Introductory Manual for Eye Care Professionals (2003)

ORTH5055
Peri Operative Practice

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode, 3 days, 9am-3pm, distance independent learning package with email support **Assessment:** Module-based learner activities (70%), professional development portfolio (30%) **Practical field work:** Field experience in a surgical location (one visit) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will introduce the roles of the orthoptist in surgical procedures and will include the following content: day surgery procedures and management of the surgical patient including: patient selection and anaesthesia, pre-op, peri-op and post-op roles; principles of infection control in the workplace with particular emphasis on a surgical setting including patient and staff positioning, instrument care, handling & sterilisation; principles of waste management in the workplace; instrument identification; minor surgical procedures for office-based practice.

Textbooks
Day Surgery in Australia: Report & Recommendations (2004) (Download from Australian Day Surgery Council website)
Chern, Foley, Koo, Reddy, Sandoval, Ophthalmic Office Based Procedures: A Step-by-Step Approach (2004)

ORTH5056
Vision and Driving

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly, Dr Nathan Clunas **Session:** Semester 2 **Classes:** Block mode, three 3 days on-campus, on-road practical sessions and web supported **Prerequisites:** Qualification that enables registration with the Australian Orthoptic Board **Assessment:** 6 case studies (30%), critique of an area related to vision and driving skills (30%), 2 practical cases with on-road assessment (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Completion of this unit will enable official notification to the licensing authority in the state where the participant practices

The vision standards required to hold a driver's license are defined by Austroads. This unit of study will introduce the participant to the assessment and implementation of the standard in both the off and on road situation. The range of topics to be studied includes: revision of the general ocular and neurological conditions that can give rise to ocular responses that result in the standard not being met; investigation of different methods of disclosing vision defects; discussion of ethical and legal issues related to driver license standards; investigation of the impact of vision defects on driving skills and the role of other disciplines in the development of safe driver practice. This unit will involve the practical on-road assessment of driver's with vision impairments.

ORTH5057
Advanced Ocular Motility

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell, Ms Neryla Jolly, Mrs Sue Silveira **Session:** Semester 2 **Classes:** Web-based case discussion, tutorials, practical sessions **Prerequisites:** Qualification that enables registration with the Australian Orthoptic Board **Assessment:** Six case studies (60%), critical analysis (40%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Participant will review principles of the assessment and treatment of strabismus and eye movement disorders. Through case study analysis, video presentations and case assessments participants will be encouraged to apply basic and innovative approaches to the diagnosis and management of patients with ocular motility defects. There will be an emphasis on evidence based practice and the application of recent research to clinical skills.

ORTH5058
Vision Impairment

Credit points: 6 **Session:** Semester 2 **Classes:** Block mode (six 3hr tutorials) supported by web-based, independent learning package with email support **Assessment:** Three case studies that include structured management plans **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study focuses on clients with vision impairment, with the emphasis on identifying their specific needs to enable them to achieve, as much as possible, their own identified goals. Emphasis will be placed on single case studies, and the development of case management plans and problem solving strategies.

ORTH5059
Current Issues in Ophthalmology

Credit points: 6 **Teacher/Coordinator:** Mrs Kate Thompson, Dr Nathan Clunas **Session:** Semester 2 **Classes:** Block mode (eight 3hr tutorials) and web-based, independent learning package with email support **Assessment:** 4 case studies (three 20%, one 40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will include theory and practical sessions on the latest technical equipment used in orthoptic and ophthalmic practice, including: Optical Coherence Tomography (OCT), Fluorescein Angiography and Photography, Digital Anterior Segment and Fundus Photography, Heidelberg Retinal Tomography (HRT), Humphrey Matrix, Corneal Aberrometry and Pachymetry. Emphasis will be placed on the clinical evaluation of glaucoma, age-related macular degeneration (AMD), and other macula dystrophies. An introduction to the management and coordination of clinical trials will also be included. The student will study and be encouraged to critically analyse current research literature.

Textbooks
Alfaro DV, Age-Related Macular Degeneration: A Comprehensive Textbook (2006)
Bouma BE and Tearney GJ, Handbook of Optical Coherence Tomography (2002)
Duane's Clinical Ophthalmology CD-Rom (2007)
Saine PJ, Ophthalmic Photography: Retinal Photography, Angiography and Electronic Imaging (2002)

PHTY5103
Musculoskeletal Sports Injuries A

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** On-campus, 4-6hrs/week, during the day **Corequisites:** BIOS5089 Advanced Musculoskeletal Anatomy **Assessment:** 1500 word research based written assignment (40%), 20min objective structured clinical exam (30%), 1hr written exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will focus on the assessment, biomechanical analysis, clinical diagnosis and management of musculoskeletal problems in the cervical spine and upper limbs. Specific emphasis is placed on sports therapy, particularly throwing and overhead injury management but in the context of total patient management. The unit aims to integrate relevant knowledge from related sciences into musculoskeletal physiotherapy practice. There is a strong emphasis on research methodology underpinning evidence based practice.

PHTY5104
Clinical Sports Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** On-campus, 3hrs/week; will require off-campus commitment **Corequisites:** PHTY5103 Musculoskeletal Sports Injuries A or PHTY5124 Advanced Musculoskeletal Disorders A, and (BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics) **Assessment:** 2000 word research-based written assignment (40%), 30min research-based seminar presentation (20%), 1hr practical exam (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, both on and off-campus, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit will facilitate the integration of research methodology/literature review with clinical practice.

PHTY5105
Theoretical Basis of Clinical Practice

Credit points: 6 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 2 **Classes:** Web-based modules, one 2 day block session **Assessment:** Three 500-750 word written reports (60%), 2hr short answer question exam (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

The majority of this unit will involve the study of the pathophysiological adaptations of muscle and nerve to training and disuse from both the physical and behavioural perspectives. This unit consists of five modules: pain; muscle physiology; exercise (resistance exercise); exercise (aerobic conditioning) and motor learning. Each module will build on knowledge gained in the relevant areas of the student's undergraduate physiotherapy degree by advancing their understanding and application of basic and pre-clinical sciences. This advanced understanding will then be used to examine topics related to the student's specific discipline.

PHTY5106
Musculoskeletal Sports Injuries B

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** On-campus, 4-6hrs/week, during the day **Prerequisites:** BIOS5089 Advanced Musculoskeletal Anatomy **Assessment:** 1500 word research-based written assignment (40%), 20min objective structured clinical exam (30%), 1hr written exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lumbar, thoracic spine and the lower limbs. Specific emphasis is placed on sports therapy, particularly running and jumping injury management but in the context of total patient management. Current clinical evidence for the role of therapeutic exercise is a focus in all areas. There is a strong emphasis on research methodology underpinning clinical practice.

PHTY5107
Advanced Musculoskeletal Complex Cases

Credit points: 6 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 2 **Classes:** On-campus, 4hrs/week, during the day **Prerequisites:** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **Corequisites:** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B **Assessment:** Case study analyses, group participation and seminar presentations, 30min panel discussion (two at 20%), 2hr short answer question exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: In other cases departmental permission required for enrolment

This unit will adopt a problem based learning approach to the assessment and management of complex case studies of the musculoskeletal system. There is a focus on effective clinical reasoning and decision making. Participants will explain and justify the rationale for patient investigation and management on the basis of medical and applied science and critically evaluate their own and others' management strategies.

PHTY5108
Clinical Sports Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** 3hrs/week: some on-campus but mostly undertaken off-campus in various sports physiotherapy practices **Prerequisites:** PHTY5103 Musculoskeletal Sports Injuries A **Corequisites:** PHTY5106 Musculoskeletal Sports Injuries B or PHTY5126 Advanced Musculoskeletal Disorders B, and BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics **Assessment:** 3000 word research based written assignment (45%), 30min research based seminar presentation (15%), 1hr practical exam (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, both on and off campus, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit will facilitate the integration of research methodology/literature review with clinical practice.

PHTY5111
Clinical Practice A

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 1, Semester 2 **Classes:** On and off-campus **Corequisites:** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A (for Manipulative stream) or PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **Assessment:** Will be dependent upon major in which the student is enrolled and may include clinical, written and oral assessment **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 2.
Note: Pre and co-requisites will depend upon the stream in which the student is enrolled.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon the major in which the student is enrolled and the availability of appropriate clinical areas. Note: To undertake this unit interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following enrolment. Original documents will be required.

PHTY5113
Clinical Practice B

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 1, Semester 2 **Classes:** On and off-campus **Prerequisites:** (BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A and PHTY5111 Clinical Practice A (for Manipulative stream)) OR PHTY5124 PHTY5103 Musculoskeletal Sports Injuries A (for Sports stream) **Corequisites:** (PHTY5107 Advanced Musculoskeletal Complex Cases and PHTY5126 Advanced Musculoskeletal Disorders B (for Manipulative stream))

OR PHTY5106 Musculoskeletal Sports Injuries B (for Sports stream) **Assessment:** Will be dependent upon the major in which the student is enrolled and may include clinical, written and oral assessment **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1.
Note: Pre and co-requisites will depend upon the stream in which the student is enrolled.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon the major in which the student is enrolled and the availability of appropriate clinical areas. Note: To undertake this unit interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following enrolment. Original documents will be required.

PHTY5114
Optimising Motor Performance A

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 1 **Classes:** Flexible delivery modes **Assumed knowledge:** 2 years neurology clinical experience **Assessment:** Written exam (50%), seminar presentation (class) (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit consists of two modules. The first module examines the impairments associated with neurological lesions and the resultant adaptations of both motor and psychological behaviour. The second module examines disability and handicap associated with neurological lesions and provides a forum for students to examine the process of rehabilitation, the environment in which it takes place and factors which may influence outcome.

PHTY5115
Clinical Neurological Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 1 **Classes:** Flexible delivery modes **Assumed knowledge:** 2 years neurology clinical experience **Assessment:** Assignment 1 (30%), assignment 2 (30%), take-home exam (40%) **Practical field work:** Clinical hours as determined by student and coordinator **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit is designed to enable students to explore in some depth aspects of clinical practice to increase their knowledge of available clinical and scientific resources and to expand their awareness and experience in areas of practice with which they are unfamiliar. Clinical placement will depend upon identified needs of the students and the availability of clinical placements. Students will also have an opportunity to apply knowledge gained in Physiotherapy Management of Impairment, Disability and Handicap to clinical practice. The subject involves both academic and clinical hours. The clinical hours may be undertaken at the student's convenience.

PHTY5116
Optimising Motor Performance B

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 2 **Classes:** Flexible delivery modes **Assumed knowledge:** 2 years of clinical experience in physiotherapy **Assessment:** Written assignment (50%), take home exam (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

In this unit, students examine normal motor behaviour in order to develop skill in analysing motor performance, planning and implementing motor training and preventing disabling adaptive processes. In addition, there will be a module examining the historical development of physiotherapy.

PHTY5118
Clinical Neurological Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 2 **Classes:** On-campus, 4hrs/week, late afternoon and evening **Assumed knowledge:** 2 years neurology clinical experience **Assessment:** Training videotape (50%), written report of a case study (50%) **Practical field work:** Yes **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Note: Department permission required for enrolment.

This unit provides students with the opportunity to apply knowledge gained in PHTY5116 Optimising Motor Performance within a clinical environment without the pressure of the usual work place. Students will also prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The clinical hours may be undertaken at the student's convenience.

PHTY5119
Topics in Cardiopulmonary Physiotherapy

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Jenny Alison **Session:** Semester 1 **Classes:** Off-campus **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The students will study a compulsory module of anatomy and biomechanics prior to researching a topic of current interest to physiotherapists in the cardiopulmonary area such as intensive care, pulmonary rehabilitation, cardiac rehabilitation, sleep disordered breathing. Topics covered will depend on available expertise for supervision.

PHTY5120
Clinical Cardiopulmonary Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Ms Nia Luxton **Session:** Semester 1 **Classes:** Clinical placement **Assessment:** Case presentation, written report on a clinical investigation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

This unit will provide the equivalent of 2 weeks (approx 60 hours) access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes.

PHTY5121
Advanced Cardiopulmonary Physiotherapy

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 1 **Classes:** Directed independent learning package with one-day workshop **Corequisites:** PHTY5190 Evidence-Based Decision Making **Assessment:** Five worksheets, three research-based written assignments (2000 words ea) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit will focus on cardiopulmonary interventions and their application to clinical practice. The physiological basis of each intervention will be investigated. Students will be expected to review current literature and draw conclusions regarding the appropriateness of each technique for particular clinical scenarios.

PHTY5123
Clinical Cardiopulmonary Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Ms Nia Luxton **Session:** Semester 2 **Classes:** Off-campus clinical placement **Assessment:** Case presentation, written report on a clinical investigation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

This unit will provide the equivalent of 2 weeks (approx 60 hours) access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes.

PHTY5124
Advanced Musculoskeletal Disorders A

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** On-campus, 4-6hrs/week during day **Corequisites:** BIOS5089 Advanced Musculoskeletal Anatomy **Assessment:** 1500 word essay (40%), 2hr objective structured clinical exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical and upper thoracic spines, and upper limbs. Specific emphasis is placed on manipulative physiotherapy but in the context of total patient management applied with emphasis on integrating research findings so as to achieve evidence based practice. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

PHTY5125
Clinical Manipulative Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 1 **Classes:** 10-12hrs/week off-campus **Corequisites:** BIOS5089 Advanced Musculoskeletal Anatomy, PHTY5124 Advanced Musculoskeletal Disorders A **Assessment:** Two clinical exam short case (15% and 35%), clinical exam long case (includes viva) (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct evidence based practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical and upper thoracic spines and upper limbs. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between the therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. This will include some on-campus hours but will require considerable off-campus commitment.

PHTY5126
Advanced Musculoskeletal Disorders B

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** On-campus, 4-6hrs/week, during the day **Prerequisites:** BIOS5089 Advanced Musculoskeletal Anatomy **Assessment:** 1500 word essay (40%), 2hr objective structured clinical exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lower thoracic and lumbar spines and lower limbs. Specific emphasis is placed on manipulative physiotherapy but in the context of total patient management applied with emphasis on integrating research findings so as to achieve evidence based practice. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

PHTY5128
Clinical Manipulative Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 2 **Classes:** 10-12hrs/week off-campus **Prerequisites:** BIOS5089 Advanced Musculoskeletal, Anatomy or PHTY5101 Advanced Anatomy and Biomechanics, PHTY5124 Advanced Musculoskeletal Disorders A, PHTY5125 Clinical Manipulative Physiotherapy A **Corequisites:** PHTY5107 Advanced Musculoskeletal Complex Cases, PHTY5126 Advanced Musculoskeletal Disorders B **Assessment:** Two clinical exam short case (15% and 35%), clinical exam long case (includes viva) (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct evidence based practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lower thoracic and lumbar spines and lower limbs. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. This unit will have some on-campus hours but will require considerable off-campus commitment.

PHTY5129
Topics in Paediatric Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 1 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** 45min seminar presentation (40%), 2000-4000 word assignment (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit covers topics of current interest to paediatric physiotherapists in the area of neurological impairment, cardiorespiratory and musculoskeletal issues. The student will choose one of these areas to study and will be required to analyse information presented in the form of a clinical scenario, identify their learning needs and explore the pathophysiology and management of the problem through a process of supported self-directed learning. Furthermore, the student will be required to identify clinical implications for physiotherapy intervention based on current research findings, justify their selection of intervention on the basis of best evidence available and identify the most appropriate means to evaluate the effectiveness of the intervention.

PHTY5130
Clinical Paediatric Physiotherapy A

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 1 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** 45min research-based seminar presentation (50%), 3000-4000 word written report (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit of study is designed to provide the student with an understanding of paediatric physiotherapy within a clinical setting. The student will be required to derive inferences from scientific research and develop applications to the clinical setting. In addition, they will need to apply problem-solving skills to the effective management and evaluation of physiotherapy intervention. The student will be given the opportunity to decide on their individual preference of clinical setting and will conduct their placement through a learning contract supported self-directed learning.

PHTY5131
Concepts in Paediatric Physiotherapy

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** 20min individual research-based seminar presentation (30%), 2000 word written assignment (70%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit of study is intended to give students an understanding of current issues relating to children with particular reference to paediatric physiotherapy. Students will examine historical frameworks of paediatric physiotherapy and how these frameworks have influenced clinical practice.

PHTY5132
Topics in Paediatric Physiotherapy

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 1, Semester 2 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** In accordance with selected unit **Campus:** Cumberland **Mode of delivery:** Distance Education

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

This unit is designed to allow the student the opportunity to select their own area of study related to paediatric physiotherapy. With approval from the course academic advisor and unit of study coordinator, the student may select a unit of study from within the Faculty or through another university.

PHTY5133
Clinical Paediatric Physiotherapy B

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** Independent learning package **Prerequisites:** PHTY5129 Topics in Paediatric Physiotherapy A **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** Research-based seminar presentation (50%), written report of a case study (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit provides the students with the opportunity to apply knowledge gained in PHTY5129 Topics in Paediatric Physiotherapy A within a clinical environment. Students will prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The academic hours will be negotiated with the unit coordinator with the clinical hours undertaken at the student's convenience.

PHTY5134
Therapy in Disorders of the Hand

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. Note: 0

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.

PHTY5155
Clinical Manipulative Physiotherapy C

Credit points: 12 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 1 **Classes:** Professional practice, mainly off-campus **Assumed knowledge:** This unit is only available to students who have completed all requirements for the MHlthSc (Sports Physiotherapy) **Assessment:** Clinical and practical exams, seminar presentation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. Students will also complete a module on manipulation of the cervical and cervicothoracic spines. This will include the theoretical bases as well as the practical skills required.

PHTY5156
Clinical Manipulative Physiotherapy D

Credit points: 12 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 2 **Classes:** Professional practice, mainly off-campus **Corequisites:** PHTY5155 Clinical Manipulative Physiotherapy C **Assumed knowledge:** This unit of study is available only to students who have completed all requirements for the MHlthSc (Sports Physiotherapy) **Assessment:** Clinical and practical exams, seminar presentation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other subjects will also be applied during clinical education. Students will also complete a module on manipulation of the lumbar spine. This will include the theoretical bases as well as the practical skills required.

PHTY5157
Clinical Sports Physiotherapy C

Credit points: 12 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** 3hrs/week: on-campus classes and on and off-campus clinical hours **Assumed knowledge:** This unit of study is available only to students who have completed all requirements for the MHlthSc (Manipulative Physiotherapy) **Assessment:** 1000 word research-based written assignment (20%), 30min research-based seminar presentation (20%), 1500 word research-based written assignment (15%), 1hr written exam (15%), two 1hr practical exam (30%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills with new approaches to the management of the person with a sports injury. The focus of this unit is on musculoskeletal disorders sustained in sporting contexts. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. Students will be required to complete clinical hours equivalent to three half days per week. In addition, there will be an academic component, which will involve on-campus attendance at classes.

PHTY5158
Clinical Sports Physiotherapy D

Credit points: 12 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** 3hrs/week: on-campus classes plus off-campus clinical work **Assumed knowledge:** This unit of study is available only to students who have completed all requirements for the MHlthSc (Manipulative Physiotherapy) **Assessment:** Two 30min research-based seminar presentation (25%), 4000 word research-based written assessment (50%), 1hr practical exam (25%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit

will have on-campus hours and will require considerable off campus commitment. Students will also complete a module which will require further investigation of selected clinical presentations.

PHTY5163
Physiotherapy in Pulmonary Rehab

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Jenny Alison **Session:** Semester 2 **Classes:** Off-campus, web-based **Assessment:** Two assignments (25% ea), written exam (50%) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Department permission required for enrolment.

This unit of study examines the management of patients referred for pulmonary rehabilitation. Topics covered will be assessment of respiratory function, assessment of exercise capacity, the acute physiological responses exercise, exercise prescription for both endurance and strength training; physiological responses to exercise training; measurement of quality of life; use of outcome measures in re-evaluation. In addition, issues of smoking cessation and patient education will be addressed. Students will be required to evaluate research literature for evidence to support the implementation of components of pulmonary rehabilitation.

PHTY5164
Ultrasound for Physiotherapists

Credit points: 6 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 1 **Classes:** Flexible delivery mode with 2 intensive block attendances **Assessment:** 1500 word written assignment (30%), written exam (50%), practical exam (20%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

This unit of study aims to introduce graduate physiotherapists to the use of real time ultrasound in the visualisation and assessment of musculoskeletal structures. Students will be assisted in learning by the integration of the principles of real time scanning, appearances of anatomy as displayed in ultrasound images and instruction in equipment controls. While the emphasis will be on the use of ultrasound for biofeedback, some common diagnostic procedures such as rotator cuff sonography will be introduced to provide a basic appreciation of normal and pathological findings. Students will be expected to undertake some independent learning. Practical sessions will provide the opportunity for hands-on scanning with experienced tutors.

PHTY5169
Physiotherapy Management in Acute Care

Credit points: 6 **Teacher/Coordinator:** Dr Lyndal Maxwell **Session:** Semester 2 **Classes:** Distance education **Assessment:** Workbook, two assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit of study examines the management of patients in the acute care environment. Topics covered will be analysis of complex arterial gases, interpretation of the CXR and findings from invasive cardiovascular monitoring equipment in ICU, pharmacology in acute care, modes of ventilatory support and the effects on pattern of ventilation and mechanics of breathing (including non-invasive ventilation), critical illness neuropathy and myopathy, weaning from ventilatory support and exercise in the acute care environment. Students will be required to evaluate research literature for evidence to support the use of physiotherapy treatment techniques in the acute care environment.

PHTY5170
Cardiopulmonary Physiotherapy I

Credit points: 4 **Teacher/Coordinator:** Dr Zoe McKeough **Session:** Semester 1 **Classes:** 1hr lecture, 2hrs tutorial/week **Corequisites:** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy **Assessment:** Mid semester practical assessment (20%), end semester written exam (80%) **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 dysfunction. In particular, students will evaluate pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective, inflammatory and restrictive conditions; and airflow limitation on pulmonary function. Additionally, students will develop treatment strategies to effectively manage respiratory problems. The unit will provide students with an opportunity to apply, integrate and extend knowledge at a postgraduate level based on their previous degree.

PHTY5171
Musculoskeletal Physiotherapy I

Credit points: 6 **Teacher/Coordinator:** Mr Peter Colagiuri **Session:** Semester 1 **Classes:** 2hr lecture, 4hrs tutorials/week **Corequisites:** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy **Assessment:** Mid semester practical assessment, end semester practical assessment, written exam **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 simple musculoskeletal disorders of the lower extremity across the lifespan at the level of a student commencing musculoskeletal clinical practicums. 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 PHTY5172 Musculoskeletal Physiotherapy II and lays the foundation for PHTY5178 Musculoskeletal Physiotherapy III and PHTY5179 Musculoskeletal Physiotherapy IV which will further develop skills in the management of disorders of the spine, lower extremity and more complex musculoskeletal conditions.

PHTY5172
Musculoskeletal Physiotherapy II

Credit points: 4 **Teacher/Coordinator:** Dr Paulo Ferreira **Session:** Semester 1 **Classes:** Anatomy:10hrs; Physiotherapy: 24hrs lectures; 36hrs tutorials **Corequisites:** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy **Assessment:** Mid semester practical assessment, end semester practical exam, written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the physiotherapy assessment and management of spinal, hip, groin and pelvic pain and disability with the focus being on primary care management. Students learn to 'triage' patients with spinal pain, a system that allows them to distinguish patients with non-specific spinal pain from those suspected of having underlying disease/pathology. The musculoskeletal anatomy of the thoracolumbar spine, pelvis and hip, first introduced in BIOS5073 Functional Musculoskeletal Anatomy, will be extended and applied to clinical practice in this unit. 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 advice, manual therapy, exercise, McKenzie therapy, etc. Additionally, students are introduced to principles of surgical and pharmacological management of spinal pain. Psychosocial issues in the assessment and management of back pain are explored. This unit aims to teach students to integrate a variety of approaches into management of spinal, hip, groin and posterior pelvic pain.

PHTY5173
Scientific Practice I

Credit points: 3 **Teacher/Coordinator:** Dr Julia Hush **Session:** Semester 2 **Classes:** Wks 1-6: 2hrs lecture/week; Wks 4-7: 2hrs tutorials/week **Assumed knowledge:** Background research methods equivalent to Designing Health Research and Analysing Quantitative/Qualitative Health **Assessment:** Mid semester report, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit of study students will learn how research evidence can guide clinical practice. Complex issues related to implementing evidence based practice are explored. Students will learn to critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists. By the completion of this unit of study participants will be able to find and critically appraise research

into the diagnosis, prognosis and treatment of conditions seen by physiotherapists and tailor this information to individual patients.

Textbooks
Herbert RD, Jamtvedt G, Mead J, Hagen KB, Practical Evidence-based Physiotherapy, Oxford, Elsevier (2005)

PHTY5174
Professional Practice I

Credit points: 3 **Teacher/Coordinator:** Ms Vicki Williams **Session:** Semester 2 **Classes:** 1hr lecture, 2hrs tutorials/week **Assessment:** Mid semester oral presentation, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students will be introduced to broad and specific issues and practices in health care delivery affecting physiotherapists. This includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment. Students will explore the NSW Physiotherapists Registration Board Policy on Professional Conduct and learn to apply this policy in ethical and clinical decision-making. The importance of communication and respect for cultural differences in professional conduct will be addressed. Communication will build on the principles and processes of professional documentation learnt by students in their previous undergraduate degree. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 2001 and by other health acts and the meaning of professional misconduct and other associated behaviours are explored in both lecture and tutorial format.

PHTY5175
Cardiopulmonary Physiotherapy II

Credit points: 4 **Teacher/Coordinator:** Dr Lyndal Maxwell **Session:** Semester 2 **Classes:** Wks 1-6: two 1hr lectures, two 2hr tutorials/week; Wks 8-13: 1hr lecture, 2hr tutorials/week **Prerequisites:** PHTY5170 Cardiopulmonary Physiotherapy I **Assessment:** Mid semester seminar presentation, written assignment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to continue to develop knowledge and skills in the assessment and treatment of patients across the age spectrum with acute and chronic pulmonary dysfunction. 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 cardiac dysfunction. This unit will build on student's knowledge of exercise gained through their previous degree, and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations to exercise, and to other special populations. In addition, students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective management of intubated and non-intubated patients.

PHTY5176
Neurological Physiotherapy I

Credit points: 4 **Teacher/Coordinator:** Ms Angela Stark **Session:** Semester 1 **Classes:** Wks 1-6: 2hrs lecture, 4hrs tutorials/week; Wks 7, 9-13: 1hr lecture, 2hrs tutorials/week **Corequisites:** BIOS5055 Neurosciences for Physiotherapists, BIOS5073 Functional Musculoskeletal Anatomy **Assessment:** Mid semester practical assessment, end semester practical assessment, written exam **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.

PHTY5177
Neurological Physiotherapy II

Credit points: 4 **Teacher/Coordinator:** Dr Colleen Canning **Session:** Semester 2 **Classes:** 1hr lecture, 2hrs tutorial/week **Prerequisites:** PHTY5176 Neurological Physiotherapy I **Assessment:** End semester practical assessment, written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit consists of two modules. The first module examines the pathology, impairments (spasm, overactive cutaneous reflexes, skin breakdown as well as adaptations such as contracture and loss of fitness), activity limitations (mobility via aided gait or wheelchair, hand function using a tenodesis grasp) and participation restrictions arising from conditions of acute onset which do not recover and require adaptation (spinal cord injury and spina bifida). Students will learn to assess, train and measure outcome of everyday activities for these populations. The second module examines the pathology, impairments (bradykinesia, dyskinesia, rigidity, tremor, fatigue) as well as adaptations to these impairments (such as the development of contracture and loss of fitness), activity limitations (rolling over, sitting, mobility, transferring and reaching and manipulating objects) and participation restrictions arising from degenerative conditions which require adaptation (Parkinsonism, multiple sclerosis, motor neuron disease). Students will learn to assess and train or prescribe appropriate aids to enable activities to be carried out.

PHTY5178
Musculoskeletal Physiotherapy III

Credit points: 6 **Teacher/Coordinator:** Dr Bronwen Ackermann **Session:** Semester 2 **Classes:** Two 1hr lectures, two 2hr tutorials/week **Prerequisites:** PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II **Assessment:** Mid semester practical assessment, end semester practical assessment, written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The overall aim of this unit is to further develop skills for assessment, diagnosis and management of musculoskeletal conditions with a focus on the upper extremity. The unit will cover selected musculoskeletal conditions of the upper extremity across the lifespan, including fractures, surgery and soft tissue injury. Students will develop their existing ability to select and implement physiotherapy interventions based on principles of clinical reasoning, evidence based practice and safety for the management of such conditions. Interventions will include exercise prescription, manual therapy, selected electrophysical agents and advice. This unit of study integrates knowledge from PHTY5171 Musculoskeletal Physiotherapy I and PHTY5172 Musculoskeletal Physiotherapy II and will complement PHTY5179 Musculoskeletal Physiotherapy IV.

PHTY5179
Musculoskeletal Physiotherapy IV

Credit points: 4 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 2 **Classes:** 1.5hrs lecture, 3hrs tutorials/week **Prerequisites:** PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II **Assessment:** Mid semester practical assessment, end semester practical assessment, written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This module aims to provide a detailed approach to history taking and performance of the physical exam for a patient with neck pain or thoracic spine pain. With the integration of communication and listening skills, application of sound physical testing procedures and clinical reasoning, the aim is to enable students to be able to diagnose/triage and manage neck pain or thoracic spine pain patients presenting to primary care with a complex presentation. Students will learn how to assess, manage and monitor cervical and thoracic spine conditions using evidence-based practice (EBP) strategies and to understand how to differentiate symptoms arising from different regions, e.g., shoulder vs cervical spine, cholecystitis vs thoracic pain; and monitor the outcome of treatment. This unit also includes a module on chronic pain. This unit of study builds upon information provided in Musculoskeletal Physiotherapy I and II.

PHTY5180
Physiotherapy Practicum I

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1 **Classes:** Off-campus **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 practicums 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:** Semester 1 **Classes:** Off-campus setting, 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 practicums 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:** Semester 1 **Classes:** Off-campus setting, 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 practicums 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:** 4hrs/week for 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, end of unit written exam **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:** 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:** Ms Gemma Lloyd **Session:** Semester 2 **Classes:** 4hrs/week for 5 weeks **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** Seminar presentation, written exam **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 Zoe McKeough (Community Physiotherapy). Module Coordinators: Dr Martin Mackey (Occupational Physiotherapy), Dr Leslie Nicholson (Sports Physiotherapy) **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** Mid unit seminar (40%), end of unit written exam (60%) **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:** Report, written exam **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. By the completion of this unit of study, participants will understand research designs 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
Professional Practice II

Credit points: 4 **Teacher/Coordinator:** Mr Peter Colagiuri **Session:** Semester 1 **Classes:** Block mode: 28hrs lectures over 5 days **Assessment:** Written assignment, oral presentation (seminar) **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study will provide a forum for guided discussion on aspects important to physiotherapy practice management. Areas to be discussed include human resource management, financial systems analysis, marketing and advertising, conflict resolution, business ethics and legal responsibilities of the physiotherapy practitioner. The unit will involve a series of lectures from recognised experts in the field, together with open interviews and discussions with successful physiotherapy practitioners both from private and public settings.

PHTY5189
Physiotherapy Practicum IV

Credit points: 6 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 2 **Classes:** Off-campus: 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

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 practicums 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 Cathie Sherrington **Session:** Semester 1 **Classes:** 7 self-directed learning modules with email or online support; 1 day optional workshop **Assessment:** Written report (60%), take-home exam (40%) **Campus:** Cumberland **Mode of delivery:** On-line

The unit will provide the opportunity for students to practise critical evaluation of clinical research pertinent to health professionals. There will be modules on critical appraisal of studies of the effects of therapy, experiences of therapy, prognosis, accuracy of diagnostic tests and cost-effectiveness. An additional module explores how these sorts of information can be combined in formal clinical decision analyses.

Textbooks
Herbert RD, Jamtvedt G, Mead J, Hagen KB, Practical Evidence-Based Physiotherapy, Oxford, Elsevier (2005)

PHTY5191
Topics in Specialised Physiotherapy

Credit points: 6 **Teacher/Coordinator:** Assoc/Prof Jenny Alison **Session:** Semester 1 **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required. **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

In this unit of study the student will research a topic of current interest to physiotherapists in the area of the specialist stream in which they are enrolled. Topics covered will depend on available expertise for supervision.

Textbooks
None. Research papers only.

PUBH5018
Introductory Biostatistics

Credit points: 6 **Teacher/Coordinator:** Associate Professor Petra Macaskill, Dr Timothy Dobbins **Session:** Semester 1 **Classes:** 2x2hr lecture, 10x1hr lectures, 11x2hr tutorials, 2x1hr and 8x0.5hr statistical computing self directed learning tasks over 12 weeks **Assessment:** 1x4page assignment (30%) and 1x2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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. This unit may be undertaken in face to face or online/distance mode. Computing tasks are self-directed.

Textbooks
Course notes are provided.

PUBH5021
Global Obesity and Disease Prevention

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman, Ms Lesley King **Session:** Semester 2 **Classes:** 1x2day intensive workshop, plus weekly online lectures and facilitated web-based classroom discussion and online student postings every week, for 10weeks **Assessment:** 1x1000word short assignment (25%), 1x2500word assignment (50%), participation in online discussion (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

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, is discussed. Students will develop and apply knowledge to designing 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 perspectives, including the WHO 2004 Global Strategy on Diet, Physical Activity and Health. The links with non-communicable disease (diabetes, metabolic and cardiovascular health) are emphasised. A cross-disciplinary approach will be taken, with input from urban and transport planning, food industry and regulation, public health law, economics, and the media.

Textbooks
Course notes will be provided.

PUBH5022
Physical Activity and Public Health

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman, Dr Heather Bowles, Dr Hidde van der Ploeg **Session:** Semester 2 **Classes:** 1x2day intensive workshop, weekly online lectures and online discussion for 8 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:** 1x2500word assignment (50%), 1x1000word assignment (20%), participation in online discussion (30%) **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 and advocacy, and [vi] 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
Bauman A, Owen N, Bull F. Physical Activity and Public Health, (in press 2008), Human Kinetic publications.

REHB5012
Medical Aspects of Disability

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1, Semester 2 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Assessment:** 1500 word log report 1 (50%), 1500 word log report 2 (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit aims to provide a background of information and knowledge which is essential for effective rehabilitation practice. It develops the students' general knowledge of the medical basis of disability, as well as giving them the opportunity to acquire specialised expertise in particular areas.

REHB5014
Rehabilitation and Substance Abuse

Credit points: 3 **Teacher/Coordinator:** Dr Rod Rothwell **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hrs lectures, 1 hr tutorial **Assessment:** 2500 word essay (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The history of use and treatment for illegal and over-the-counter drugs is presented. Students examine social attitudes to drug taking and theoretical approaches to addictive behaviour. Community therapy programs and self-help groups are discussed.

REHB5016
Rehabilitation of Public Offenders

Credit points: 3 **Teacher/Coordinator:** Dr Rod Rothwell **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hrs lectures, 1 hr tutorial **Assessment:** 1500-2000 word essay (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The aim is to provide students with a basic understanding of the major models for explaining and researching criminal behaviour. Students are familiarised with current penal philosophies and 'corrective' programs for both adult and juvenile offenders.

REHB5022
Acquired Brain Injury Rehabilitation

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hr lectures **Assessment:** 1000 word take home exam (40%), 1500-2000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The causes and the nature of head injury are examined and its effect on functioning in a range of environments are explored. The rehabilitation process for this population is discussed with emphasis on evaluation, planning and resettlement.

REHB5034
Rehabilitation and PTSD

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hrs lectures and 1 hr tutorial **Assessment:** Assignment (30%), 2000 word essay (70%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

PTSD as a clinical entity is examined and major explanatory and research models are reviewed. Students explore theoretical approaches to treatment and become familiar with issues relevant to their role in rehabilitation.

REHB5042
Psychiatric Rehabilitation

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Assessment:** 1000 word report (30%), 2000 word essay (70%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit examines goals, values and guiding principles and methodology of psychiatric rehabilitation and its application to the rehabilitation of persons with severe and persistent symptoms of mental illness. Current practice in rehabilitation is evaluated.

REHB5043
Rehabilitation Counselling A

Credit points: 3 **Teacher/Coordinator:** Ms Sandra Bentley **Session:** Semester 1 **Classes:** WebCT online course distance study- equivalent to 2hrs lectures, 1hr tutorial, optional half-day optional workshop **Assessment:** 3 assignments: take home exam (30%), online discussion contribution (20%), counselling interview video and report (50%) **Practical field work:** Students are invited to attend a half-day skills workshop **Campus:** Cumberland **Mode of delivery:** On-line

Note: Department permission required for enrolment.

This unit facilitates students' acquisition of the ASORC Core Competency 10: Counselling. The Ivey model of basic counselling microskills are studied and practised. Skills application in rehabilitation counsellor roles are introduced. The unit also covers some counselling theories and procedures and explores their application to the rehabilitation counselling context. The unit is delivered by web-based CD-ROM, distance learning packages, interactive discussion forums and email support. Students are required to undertake a counselling interview and self-critique as part of assessment.

Textbooks
External study notes provided to all students
Ivey A, Intentional Interviewing (latest edition)
Corey G, Theory and Practice of Counseling and Psychotherapy (Text and Student Manual) (latest edition)

REHB5044
Vocational Development and Counselling

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Assessment:** Take home exam (50%), 1200-1500 word vocational assessment report (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 8, namely, Vocational Assessment and Vocational Counselling. This unit looks at the theory of vocational choice and career development particularly as it relates to persons with disability. Students are provided with a framework for vocational counselling and are taken through the process of assisting individuals with career choice problems. Resources essential to providing vocational planning and career choice assistance are also explored with students. Non-compulsory skills development workshops are offered to students.

REHB5045
Rehabilitation Theory

Credit points: 3 **Teacher/Coordinator:** Dr Rod Rothwell **Session:** Semester 1 **Classes:** Distance study equivalent to 2hrs lectures, 1hr tutorial **Assessment:** Practical exercise- submit venue evaluation (15%), 2000-2500 word essay (85%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit discusses the history and philosophies of rehabilitation and rehabilitation service delivery in relation to medical and health services generally.

REHB5046
Work Injury and Disability

Credit points: 3 **Teacher/Coordinator:** Dr Toni Schofield **Session:** Semester 1 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Assessment:** 3000 word essay (100%) or two 1500 word essays (50% ea) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit examines the social distribution and origins of occupational injury and disability. It explores the role of work organisation and management in contemporary Australian society as a key factor. The impact of globalisation and policy developments related to Australian workplaces and industrial relations will also be addressed.

REHB5047
Psychosocial Aspects of Disability

Credit points: 3 **Teacher/Coordinator:** Ms Rosemary Pynor **Session:** Semester 1, Semester 2 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Assessment:** 1500 word essay (50%), 2000 word journal/exercise (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The aim of this unit of study is to challenge students' understanding of disability. The unit provides students with an insight into the social position and life experiences of disabled people from their own perspective. Disabled people do take an active role in the community and should not be seen as passive recipients of the care of others, such as health professionals. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people, leading to more positive rehabilitation outcomes.

REHB5048
Field Experience I

Credit points: 3 **Teacher/Coordinator:** Ms Caroline Howe **Session:** Semester 1, Semester 2 **Classes:** 385 hrs over 5 weeks **Assessment:** Clinical placement with supervisors and student assessment. This is a pass/fail subject based on students passing the competencies **Practical field work:** Students are required to complete a total of 385 hrs of placement under supervision **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional.

Textbooks
Unit manual only

REHB5049
Rehabilitation Counselling B

Credit points: 3 **Teacher/Coordinator:** Ms Sandra Bentley **Session:** Semester 2 **Classes:** WebCT online course distance study, equivalent to 2 hrs lectures, 1 hr tutorial, half-day workshop **Prerequisites:** REHB5043 Rehabilitation Counselling A **Assessment:** Counselling interview video and report (50%), essay (50%) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Department permission required for enrolment.

The unit covers aspects of the ASORC Core Competency 10: Counselling. Advanced counselling microskills in the Ivey model are studied and practised. Application of these skills to the rehabilitation context is explored, for example, in adjustment to disability, vocational counselling and occupational rehabilitation case management. Students are introduced to action-based counselling theory. The unit is delivered by web-based CD-ROM, distance learning packages, interactive discussion forums and email support. Students are required to undertake a counselling interview and self-critiques as part of assessment. Students are invited to attend a half-day skills workshop.

Textbooks
Ivey A, Intentional Interviewing & Counseling, Thomson (latest edition)
Corey G, Theory and Practice of Counseling and Psychotherapy, Thomson (latest edition)

REHB5050
Client Assessment and Job Placement

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Prerequisites:** REHB5044 Vocational Development and Counselling **Assessment:** Take home exam (50%), 1200 word job placement report (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 9, namely, Vocational Assessment and Vocational Training and Placement. This unit focuses on job analysis and the various ways in which the problem of accurately assessing the rehabilitation client's potential for re-entry to the workforce can be resolved. Students are also taught how to actively engage with the labour market in terms of assessing job suitability and negotiating with employers in order to secure job opportunities for persons with disability. The unit addresses the issue of accessing and analysing labour market information in order to guarantee the availability of job options generated for clients. Formats for writing vocational assessment reports and labour market analyses are presented and discussed. A one-day skills workshop on practical aspects of the unit is offered, but attendance is not compulsory.

REHB5051
Rehabilitation and Case Management

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hrs lectures and 1 hr tutorial **Prerequisites:** REHB5044 Vocational Development and Counselling **Assessment:** 1 hr take home exam (50%), 1.5hr take home exam rehab plan (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The focus of this unit is the Australian Society of Rehabilitation Counsellors (ASORC) core competency 5, namely, 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 negotiation skills needed to work with a variety of providers. Strategies to be an effective and efficient manager of clients within a human service environment are also discussed.

REHB5052
Legal Aspects of Rehabilitation

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hrs lectures and 1 hr tutorial **Assessment:** 500 word court report (20%), 2000 word short answer assignment (80%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Students address the role of Australian anti-discimination and guardianship legislation in delivering quality of life to people with disabilities.

REHB5053
Workers Compensation and Rehabilitation

Credit points: 3 **Teacher/Coordinator:** Dr Toni Schofield **Session:** Semester 1, Semester 2 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Assessment:** Either one 3000 word essay or two 1500 word essays (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

This unit addresses workers compensation and rehabilitation as both a public policy and system of injury management. It focuses on developments in NSW workers compensation and rehabilitation, locating these within an historical and political context. Students are encouraged to understand injured workers experiences of compensation and rehabilitation in terms of this context.

REHB5054
Field Experience II

Credit points: 3 **Teacher/Coordinator:** Ms Caroline Howe **Session:** Semester 1, Semester 2 **Classes:** 385 hrs over 5 weeks **Prerequisites:** REHB5048 Field Experience I **Assessment:** Clinical placement with supervisors and student assessment. This is a pass/fail subject based on students passing the competencies **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional.

Textbooks
Subject manual only

REHB5057
Dissertation A

Credit points: 9 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1, Semester 2 **Classes:** Supervisor meetings **Assessment:** Proposal for dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The dissertation requires the completion of a paper which aims to synthesise postgraduate knowledge and skills through an original investigation of an area of professional relevance.

REHB5058
Dissertation B

Credit points: 9 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1, Semester 2 **Classes:** Supervisor meetings **Assessment:** Dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The dissertation requires the completion of a paper which aims to synthesise postgraduate knowledge and skills through an original investigation of an area of professional relevance.

REHB5059
Dissertation

Credit points: 18 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** Supervisor meetings **Assessment:** Dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

The dissertation requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

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

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, Ms Marcia Underwood **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%), 1500 word essay (25%), 1500 word journal/exercise (25%) **Campus:** Cumberland **Mode of delivery:** 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%), 2500 word essay (40%) **Practical field work:** Exercises within the unit of study **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

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

Note: Enrolment is limited to 40 students

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

REHB5065
Advances in HIV/AIDS Rehabilitation

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 2 **Classes:** Distance education **Prohibitions:** REHB5032 Rehabilitation and HIV/AIDS, REHB3069 HIV/AIDS: Developments in Rehabilitation **Assessment:** Take-home exam (40%), 3500 word research report (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Enrolment is limited to 40 students

This unit presents the epidemiology, health impacts, interventions and rehabilitation of HIV disease. Latest research that examines medical, health and psychosocial aspects will be explored. Current and innovative approaches to treatment and rehabilitation will be examined. Issues for counselling and counsellors who are working with people with HIV as well as personal perspectives of people with HIV will be discussed. Students will explore the consequences of this disease on quality of life for people with HIV who are living and working in the community.

Textbooks
Students will be provided with module notes, readings and exercises

REHB5066
Chronic Pain & Rehabilitation Management

Credit points: 6 **Teacher/Coordinator:** Mrs Caroline Howe **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:** On-line

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:** Ms Caroline Howe **Session:** Semester 2 **Classes:** Distance education, 1-day 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%) **Practical field work:** 6hr on-campus workshop **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

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/fortnightly; 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

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 heath 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 (35%), test interpretation exercise (15%), 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

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 7 (Vocational Assessment) and 8 (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 **Session:** Semester 1 **Classes:** Two half-day workshops **Prohibitions:** REHB5046 Work Injury and Disability **Assessment:** Two 3000 word essays or one 6000 word essay **Campus:** Cumberland **Mode of delivery:** Distance Education

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: taped advanced interview demonstration with 2000 word critique report (30%), 2000 word counselling essay (20%); Case Management: two take-home exams (25% ea) **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

The unit covers aspects of the ASORC Core Competency 10: 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 5: 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%) 2000 words essay (40%) 2500 word practical job placement exercise (30%) **Practical field work:** Non-complusory workshop, exercises within the unit of study **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The foci of this unit of study are the Australian Society of Rehabilitation Counsellors (ASORC) Core Competencies 7 (Vocational assessment) and 9 (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:** Mrs Caroline Howe, Ms Marcia Underwood **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 **Teacher/Coordinator:** Mrs Caroline Howe **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

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:** Take-home exam (30%), 1000 word online discussion contribution (20%), taped interview demonstration, 3000 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

This unit of study facilitates students' acquisition of the Australian Society of Rehabilitation Counsellors (ASORC) Core Competencies 10: 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

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, Dr Lynda Matthews **Session:** Semester 1 **Classes:** On-campus: twelve 1hr tutorials, one 2hr statistics seminar, 2 workshops/semester, individual consultations **Prohibitions:** REHB5057 Dissertation A, REHB5058 Dissertation B, REHB5059 Dissertation **Assessment:** Research presentation (50%), 3000 word literature critique (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

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, Ms Marcia Underwood **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

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 Caroline Howe, Ms Marcia Underwood **Session:** 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, Dr Lynda Matthews **Session:** 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:** Distance Education

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.

RHHG5005
Reproductive Sciences and Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Robert Jansen **Session:** Semester 2 **Classes:** 7x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit covers the following topics: reproductive cycle 1 (hypothalamus and pituitary); gamete approximation and fertilisation biology; ovarian function, oogenesis and ovulation; testicular function, spermatogenesis, male accessory organs; sexual physiology; reproductive cycle 2 (ovary and genital tract); implantation, embryogenesis; placentation; fetal development - ultrasound perspective; endocrinology of pregnancy and parturition; lactation; puberty and menstruation; menopause; effects of reproductive steroids on metabolism and other body systems; gonadal differentiation and genital development.

RHHG5006
Reproductive, Maternal and Child Health

Credit points: 4 **Teacher/Coordinator:** Professor Ian Fraser **Session:** Semester 2 **Classes:** 5x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit identifies significant issues in reproductive, maternal and child health, gives an overview of existing services for these population groups, and emphasises preventive health programs.

RHHG5007
Clinical Reproductive Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Mark Bowman **Session:** Semester 1 **Classes:** 7x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit covers the following areas of reproductive medicine: puberty, virility and male infertility, menstrual cycle and menstrual symptoms, premenstrual syndrome, dysfunctional uterine bleeding, dysmenorrhoea, menopause, amenorrhoea, ovulation induction, endometriosis, spontaneous abortion and recurrent abortion, contraception, psychosexual disorders, venereal diseases, subfertility and infertility, reproductive technology, assisted conception. This course is based on pre-reading provided prior to each lecture and followed by a two-hour tutorial, during which case studies provide material for investigation and management discussions. This will enable participants to develop a problem-solving approach to clinical management. Participants are required to present a case on at least one occasion during the semester.

RHHG5010
Reproductive Sciences

Credit points: 4 **Teacher/Coordinator:** Professor Michael Sinosich **Session:** Semester 1 **Classes:** 9x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit covers the following topics: cell structure and function; intracellular signalling and intercellular communication; cryobiology; steroidogenesis; steroid hormones and receptors; peptide hormone biochemistry and receptors; the social interaction of cells; regulation of cell division; molecular motors; contractility of smooth muscle, cilia and flagella; pathogenesis of PA11; rhesus incompatibility; XGR; recurrent abortion; protein structure and function, structure and function of complex carbohydrates; fetal monitoring; ultrasound, amniocentesis, CVS; radiation and thermal stress; birth defects and their causes; immunological processes in reproduction.

RHHG5014
Fertility Control

Credit points: 2 **Teacher/Coordinator:** Dr Edith Weisberg **Session:** Semester 2 **Classes:** 4x3hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit ncourages a practical approach to fertility control and enables students to develop skills in the provision of contraceptive services. The following topics are covered: general issues in fertility control; contraceptive choice; benefits and risks of contraception; legal aspects; contraceptive counselling; availability of contraceptives; development of new contraceptives and details of specific methods of contraception including behavioural methods, barrier methods, intra-uterine devices, steroidal contraceptives, contra contragestion and abortion, immunological methods, and status of male contraception. Lectures build on pre-reading provided. Tutorials require student presentation and discussion of issues. A written assignment is required during the semester. Assessment is based on presentations during tutorials and on the written assignment.

RHHG5021
Reproduction and Cancer

Credit points: 2 **Teacher/Coordinator:** Dr Rodney Baber **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines three areas of interest linking cancer, reproductive endocrinology and infertility. The first concerns the application of 'reproductive insurance' using cryopreservation of ovarian cortical biopsy specimens, mature oocytes, sperm and embryos in patients with cancer. The second area explores the evidence between infertility and its management, childlessness and common gynaecological cancers and the alleged increased incidence of testicular cancer. The third examines the alleged links between breast cancer and hormone replacement therapy in the menopause.

SEXH5100
Social & Policy Aspects of Sexual Health

Credit points: 4 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 2 **Classes:** 2 hours of lectures per week, whole semester **Assessment:** written assignment, online quizzes and discussion **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to introduce the social, psychological and political determinants of sexuality, and consider their impacts on public health. It is available in both online and face to face modes.

At the end of this unit, students will be able to understand the spectrum and determinants of sexuality; the impacts of biology, culture, tradition, society, environment, life experiences, personal beliefs and health on sexual activity; the impacts of sexuality at public health levels; how sexual health needs vary with risk activity group and geographical location. Students will also be able to discuss policy and legislative responses to 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:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 2a **Classes:** 2 hours of lectures per week, half semester, which can be taken either face-to-face or online **Assessment:** written assignment and online quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

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:** Dr 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 **Assessment:** written assignment and online quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** 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

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.

SEXH5204
Adolescent Sexual Health

Credit points: 4 **Teacher/Coordinator:** Dr Melissa Kang **Session:** Semester 2 **Classes:** fully online **Prohibitions:** SEXH5205 **Assessment:** Continuous assessment including participation in group discussion and project, short answer questions, 1000 word assignments **Campus:** Camperdown/Darlington **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. 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. The course is taught fully online using a range of assessments including group participation and discussion, a group project, 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.

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:** Camperdown/Darlington **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:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 1 **Classes:** blended online - a compulsory one week laboratory practical session towards the end of the course will compliment the online learning **Assessment:** online quizzes, case based presentations and a written exam at the end of the practicum **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: Students who are not enrolled in the STD/HIV program through the Faculty of Medicine must apply to Dr 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 practical allows students to consolidate their theoretical knowledge.

SING5001
Organisational and Managerial Behaviour

Credit points: 6 **Session:** Semester 2 **Classes:** Two 19hr teaching blocks including lectures, group work and presentation **Assessment:** Two written assignments (50% each) **Campus:** Cumberland **Mode of delivery:** Block Mode

The study of organisations and their management is challenging, stimulating and rewarding. In this unit of study, we examine what it means to manage effectively within the health sector. We expose students to a range of management theories, perspectives and approaches. In particular, recent ideas from management and organisational studies are examined and their applicability to the health sector considered. Core topics include organisational communications, politics, culture, quality improvement and change. A feature of this unit of study is to learn about and apply a number of techniques and tools designed to improve organisational, managerial and individual performance. Learning methods incude small group work, case studies, presentations, debates, completion of some aptitude and managerial behaviour exercises and the application of the ideas to the students' own workplaces. We provide feedback on students' own managerial attributes.

SING5002
Health Economics

Credit points: 6 **Session:** Semester 2 **Classes:** Two 19hr teaching blocks including lectures, group work and presentations **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study provides an introduction to health economics as a way of thinking about problems of resource allocation (priority setting) in health care. The unit includes an introduction to microeconomics, health care markets, market failure, economic evaluation, pharmaceuticals, health care financing and the values that underpin decision-making.

SING5003
Health Service Leadership and Change

Credit points: 6 **Session:** Semester 1 **Classes:** Two 19hr teaching blocks including lectures, group work and presentations **Assessment:** Three written assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study is about leadership and change management in the health sector. The overall aims of the unit are to enable students to develop a good understanding of the attributes, skills and behaviours of effective leaders and to develop knowledge of, and practical skills in, the planning and implementation of change. Students will explore historical and current theories of management and leadership and their implications for enhancing personal leadership skills and strategies and examine the relationships between societal culture and leadership style and effectiveness. Students will gain an understanding of the sources of power and the appropriate use of power and influence strategies. Students will also examine the forces driving change in healthcare organisations, the models of planning and implementing change and the visions and directions for change. The major topics studied are the theory of change, change management skills, and leadership and management skills necessary for implementing change.

SING5004
Accounting and Financial Management

Credit points: 6 **Session:** Semester 1 **Classes:** Two 19hr teaching blocks including lectures, group work and presentations **Assessment:** Written assignements, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study provides students with an understanding of accounting and financial management in health care environments. Students learn how health service managers use accounting information to support decision-making. Topics covered include accounting principles, financial statements, ratio analysis, budgeting, variance analysis, capital budgeting, product costing and internal control systems.

SING5005
Health Service Marketing

Credit points: 6 **Session:** Semester 2 **Classes:** Two 19hr teaching blocks including lectures, group work and presentations **Assessment:** Written assignments, group presentation **Campus:** Cumberland **Mode of delivery:** Block Mode

Health services marketing is studied in the context of contemporary concepts, theory and applications of the broader field of services marketing. Students learn how the services marketing system works, how to research the potential for new health care services and how to devise the most appropriate marketing strategies to secure a competitive and profitable position in the marketplace, whether local, regional or international. Topics covered include the rise of services marketing, consumer behaviour and decision making; employee and customer satisfaction and relationship management, marketing communications in the traditional and emerging media; and ethical considerations in the marketing of health care services. Learning scenarios include case studies and give scope for group projects as well as individual work.

SING5006
Strategic Management and Planning

Credit points: 6 **Session:** Semester 2 **Classes:** Two 19hr teaching blocks including lectures, group work and presentations **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Strategic management is a vital link - a bridge - between the external environment and the health service organisation. Strategic planning is concerned with the organisation today and what it will be like tomorrow. This unit of study is centred on learning about those two ideas. Specifically, we will apply the ideas to improve the mid to long-term viability and competitiveness of profit and not-for-profit health sector enterprises. We learn about the kind of strategic choices, tools and techniques available to the health services manager responsible for strategy and planning. A number of intriguing questions are posed. To get a flavour, consider some what and how questions: what is strategic behaviour? What does it mean to manage strategically? How do health service organisations (or, more accurately, the people within them) express their strategic intent and core competencies? What is a learning organisation? How can I plan for the future when the environment is so complex and change so rapid? Topics covered include strategic planning, strategic behaviour, competitive advantage and the learning organisation.

SING5007
Managing HR and IR in the Health Sector

Credit points: 6 **Session:** Semester 1 **Classes:** Two 19hr teaching blocks including lectures, group work and presentations **Assessment:** Written assginments, class presentation, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit will introduce participants to a range of issues facing human resource managers in their everyday working lives and will include human resource management tools, techniques and strategies to enhance effectively the performance of the most important resource in organisations, that is, human resources. In the human resources module, topics include: strategic human resource mangement; personnel selection; appraising and managing performance; training and career development. In the industrial relations module, topics include: the nature of conflict of interests within organisations; theories which systematise explanations of these; and the nature of state control of management/employee relationships.

SING5008
Information and Decision Analysis

Credit points: 6 **Session:** Semester 1 **Classes:** Two 19hr teaching blocks including lectures, group work and presentations **Assessment:** Written assignments, class presentation **Campus:** Cumberland **Mode of delivery:** Block Mode

This unit of study provides students with an understanding of the principles of information and telecommunications technology in health care, and an appreciation of the impact this technology has on decision-making and ultimately clinical care. The unit showcases current health informatics applications and healthcare information systems. Students also learn how to design and operate a database. Topics covered include information systems development, systems analysis and design, informatics in healthcare management and desicion-making, electronic health initiatives and artificial intelligence, and managing the socio-technical aspects of health informatics.

SING5013
Dissertation

Credit points: 12 **Session:** Semester 2 **Campus:** Cumberland **Mode of delivery:** Block Mode

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.

SING5014
Dissertation A

Credit points: 6 **Session:** Semester 2 **Campus:** Cumberland **Mode of delivery:** Block Mode

The dissertation provides the student 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.

SING5015
Dissertation B

Credit points: 6 **Session:** Semester 1 **Campus:** Cumberland **Mode of delivery:** Block Mode

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.

33. Facilities and services

See also the chapter of general University information for support services provided by the University.

Campus Property and Services (Cumberland)

Campus Property and Services (Cumberland) is located at the mezzanine level of A Block.

Enquiries

Phone:+61 2 9351 9678
Website: www3.fhs.usyd.edu.au/property/index.htm

On-campus accommodation – Yannadah

The student residence on the Cumberland Campus, Lidcombe, provides accommodation for up to 39 first year students from outside the greater metropolitan area of Sydney. Application forms are available online in January when main round offers are posted. You can also contact the Residential Manager by email: yannadah@usyd.edu.au, phone: (02) 9351 9405 or fax: 9351 9977 for applications or further information.

Information

Contact the Residential Manager:
Phone: +61 2 9351 9405
Website:
www.usyd.edu.au/stuserv/accommodation/yannadah.shtml

For further information about the accommodation at the University of Sydney:
Phone +61 2 9351 3312
Email: accomm@stuserv.usyd.edu.au
Website:
www.usyd.edu.au/stuserv/accommodation/accommodation.shtml

After hours security bus service

A free shuttle bus service to Lidcombe Station is provided between 6.30pm and 9pm, Monday to Friday during teaching weeks, stuvac and examinations weeks. The bus leaves from the bus stop located near Gate 2 entry.

Lockers

A limited number of lockers are available on-campus on a first-come first-served basis. All lockers must be cleared at the end of each semester. The University will not accept responsibility for any item lost from these lockers. Students are required to provide their own padlock.

There are also a small number of lockers set aside for the use of students with disabilities located in S and T Blocks. Students wishing to use these lockers should contact Student Services:
Phone: +61 2 9351 9638

The CSG Sports Centre provides lockers free of charge for gymnasium users. For further information, please contact the CSG Sports Centre:
Phone: +61 2 9351 9613
Email: sport@csg.org.au

Lost property

Property found on campus should be taken to Property Services Division. Lost property is held for a period of three months. If unclaimed after two months, it may be claimed by the finder (not including a member of staff). If it is still unclaimed after a three month period, the University reserves the right to dispose of these items.

Parking

Parking on campus for undergraduate students is very limited and travel by train/bus is encouraged. However, car parking facilities at Gate 3 are available for students. The SEINS parking infringement system is in operation to control parking on University grounds and is enforceable 24 hours a day.

A ballot is held each year for postgraduate students for access to Gates 1 and 2.

For further information contact the Property Services Division:
Phone: +61 2 9351 9232

Those requiring access to parking spaces for people with disabilities are required to contact Student Services:
Phone: +61 2 9351 9638

Sporting facilities (oval)

Bookings for the oval must be made with Property Services Division. See CSG relating to bookings for the multi-purpose courts.

Child care Cumberland Campus

Childcare: Ngallia Early Learning Centre

The centre's philosophy is to provide quality child care that is appropriate to the needs of children, parents or others responsible for each child. It actively promotes the education of the children in care. This is achieved by working in partnership with families or others responsible, as the child's main educators, and by extending their experiences, skills and knowledge. Ngallia respects the privacy of parents, children and staff.

Gate 1, Cumberland Campus
East Street Lidcombe
NSW 2141 Australia
Phone: +61 2 9749 7575
Website: www.echildcare.com.au/lidcombe-ngallia/

Cumberland Student Guild (CSG)

CSG is the principal non-academic service provider on the Cumberland campus of The University of Sydney.

Established in the mid 1970s when the College of Health Sciences was created on the current site in Lidcombe, CSG continues to provide a broad spectrum of resources and representation that encompass Food + Beverage, Sport + Recreation, Retail + Convenience, Academic Support Services, and student experience enhancement activities for members on the Cumberland campus.

Membership to CSG is optional upon joining Australia's largest student discount + loyalty scheme - Campus Rewards, www.campusrewards.com.au. Members of CSG are entitled to stand for the Management Committee each year and provide active input into the direct and delivery of core facilities on the campus.

CSG is an unincorporated association enacted under the auspices of the University of Sydney Senate with corporate objectives to:

- SERVE and represent the needs of members.
- FURTHER the interests and needs of its members;
- PROVIDE social, cultural and recreational facilities for members.
- ENCOURAGE participation in and increase understanding of matters affecting the interests of members.

- AFFORD a recognised means of communication between members.
- ENCOURAGE evaluation and exchange of ideas in all fields of health between members.
- DO all other lawful things as are incidental or conductive to attain the objectives.

CSG has a Board of Management referred to as the Management Committee. The conduct and management of CSG are vested in the Committee that is made up of four students whom are financially members of Campus Rewards, one University of Sydney appointee and up to two independent persons who have the relevant professional skills and experience to fulfil the professional requirements of the Committee and the needs of CSG.

CSG's web site, www.csg.org.au/ provides further information about the organisation and the facilities it manages on the Cumberland campus.

If you need text books for your course, there is no cheaper place than the campus book store. Managed by CSG, Campus Rewards members receive up to 17.5% off the price of text books all year round. Specialising in texts for the courses at the campus, The Campus Book Store offers a domestic and international text mail order service for off campus student. To contact The Campus Book Store, please telephone +61 2 9351 9970 or email bookstore@csg.org.au

CSG is always looking at ways to increase the quality and range of services, facilities and support programs to its members and the campus community. If you would like to contact us, please see the contact details below.

Phone: +61 2 9351 9970
Fax: +61 2 9351 9971
Email: contact@csg.org.au

Postal Address:
PO Box 170
Lidcombe NSW
Australia 1825

On Campus Address:
i Point
Level 1, Building U
Gate 1, The University of Sydney
75 East Street
Lidcombe NSW Australia 2141

Sporting facilities (multi-purpose courts)

Bookings for the multi-purpose tennis, netball and basketball courts must be made with the CSG Sports Centre:
Phone: +61 2 9351 9970
Email: sport@csg.org.au

Faculty of Health Sciences Alumni Association

(formerly Graduates Association)

Graduates of the Faculty of Health Sciences (formerly Cumberland College) are leaders in the allied health professions. They represent a field of compassionate community workers, with a wide and varied career path.

Our graduates are involved in local communities; both nationally and internationally, with networks of graduates in Hong Kong, Singapore, New Zealand, China, Canada, USA and the UK.

With a graduate population in excess of 18,000 and a growing network of friends, your Health Sciences Alumni Association provides opportunities to reconnect with your peer network and build strong partnerships with professional organisations.

The general aims of the Association are to:

- Encourage Alumni to maintain contact with the University, the Health Sciences Alumni Association and with each other
- develop programs and activities to engage alumni in the life of the University and the Faculty of Health Sciences
- support and promote the interests of the Faculty Health Sciences and its Alumni
- act as a centre for liaison with industry, commerce and community
- assist in the future development of the faculty and of tertiary education in the health sciences
- promote the nomination of health sciences alumni for various awards within the University and the community
- support the awarding of the *Helga Pettitt FHS Postgraduate Study Award*
- to provide support for reunions, fundraising and development activities involving alumni.

Faculty alumni including all graduates of the Faculty of Health Sciences, graduates of the professional schools which together formed Cumberland College, current and former staff are members of this Association and can therefore build vital, active and professional links with the University and the broader community.

The Health Sciences Alumni Association offers a grant of $1500/annum to provide financial assistance to a new or continuing student in any course of postgraduate study in the Faculty of Health Sciences.

Alumni enquiries

Alumni Relations Office
Phone: +61 2 9036 7487
Email: k.quinlan@usyd.edu.au
Website: www.fhs.usyd.edu.au/alumni/

Health Sciences Library

The Health Sciences Library is located at the Cumberland campus of the University of Sydney. The Library advances the teaching, learning and research programs of the Faculty of Health Sciences by providing outstanding and high quality resources and support to students, staff and researchers. The Library's collection, of approximately 80,000 books and videos and 900 journal titles as well as electronic journals and e-books, is particularly oriented towards the health sciences. The library aims to support undergraduate, graduate, and research programs, to provide service and assistance to users, as well as to provide certain general and recreational materials and a pleasant environment for study and research.

The Health Sciences Library is located centrally on campus, in R Block, and is accessible to users with physical disabilities.

The catalogue lists all holdings within the University Library system including Fisher Library and 18 other branch libraries. The catalogue offers many self-service options and can be accessed externally through the internet.

Extensive computer facilities and wireless access allow users to make their own literature searches on a wide variety of databases. Many of these offer full text or are interactive. Library staff conduct regular classes in use of the database network, the internet, and other methods of information gathering.

Off-campus students may be eligible for some special benefits which are outlined on the Library website:
www.library.usyd.edu.au/libraries/healthsciences/distance.html.

Information Desk: +61 2 9351 9437
Enquiries about any aspect of the Library's services are most welcome.

Circulation Desk: +61 2 9351 9423
Renewals of loans may be made in person or by phone during library hours. Loans can also be renewed through the internet. Overdue items may not be renewed.

Library hours

During semester

Monday–Thursday: 8am–9pm
Friday: 8am–6pm
Saturday: 9am–4pm
Sunday: 1–5pm

Inter-semester and long vacation

Monday–Friday: 9am–5pm
Saturday and Sunday: Closed

For more information about the Library's collections and services, including remote access instructions to the OPAC, visit: www.library.usyd.edu.au/libraries/healthsciences/.

A detailed list of the various databases available can be found online at:
www.library.usyd.edu.au/databases/.

Official noticeboards

Official notices are displayed on the official noticeboards on the Cumberland campus. Students are expected to be acquainted with the contents of those announcements which concern them.

- A Block, northern entrance
- R Block, outside main entrance

Student Services Cumberland Campus

Student Services is responsible for the provision of integrated student support and development services focused on students' academic and personal needs throughout their academic career. Student Services provides expert advice to faculties and other areas of the University in the management of students at risk, critical incidents, and other circumstances that impact on student welfare. Faculty of Health Science students may access all student services. For details of services and online resources provided see your MyUni student portal or the Services for Students website:
www.usyd.edu.au/stuserv.

Contacting the Student Services Cumberland

Ground Floor, A Block, Cumberland Campus C42
University of Sydney
East Street
Lidcombe
NSW 2141 Australia
Phone: +61 2 9351 9638
Fax: +61 2 9351 9635

Counselling Services Cumberland Campus

The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling. Counselling is free and confidential. The service provides short-term, problem-focused counselling to promote psychological wellbeing and to help students develop effective and realistic coping strategies. The service runs a program of workshops during each semester. For details of workshops, activities and online resources provided by the service see the Counselling Service website via your MyUni student portal or the Services for Students website:
www.usyd.edu.au/stuserv

Email: CS_Cumberland@usyd.edu.au
Website: www.usyd.edu.au/counsel

Disability Services Cumberland Campus

Disability Services is the principal point of contact for advice on services available for students with disabilities. Students with a disability must register with Disability Services to receive support and assistance. Disability Services works closely with academic and administrative staff to ensure that students receive reasonable adjustments in their areas of study. Examples of the sorts of assistance available include the provision of note taking, adjustments to and negotiation with academic staff regarding assessment and course requirements where appropriate.

For details on registering with the Service including documentation required and online resources see the Disability Services website via your MyUni student portal or www.usyd.edu.au/disability.

Email: DS_Cumberland@usyd.edu.au
Website: www.usyd.edu.au/disability

International Student Support Unit Cumberland Campus

The International Student Support Unit assists international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in an unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable.

For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal or the Services for Students website:
www.usyd.edu.au/stuserv. International students also have access to all University student support services.

Email: ISSU_Cumberland@usyd.edu.au
Website: www.usyd.edu.au/issu

Learning Centre Cumberland Campus

The Learning Centre helps students develop the generic learning and communication skills that are necessary for university study and beyond. The Centre is committed to helping students achieve their academic potential throughout their undergraduate and postgraduate studies.

A Study Preparation Program is offered prior to the start of each semester to international students who have accepted a place in the faculty to prepare them for academic study in an Australian health sciences context. Regular workshops, seminars and one-to-one tutorials on academic, clinical and professional communication skills are also available.

Information about the Learning Centre Cumberland Campus

Email: LC_Cumberland@usyd.edu.au
www.usyd.edu.au/stuserv/academic_support/index.shtml

Learning Centre Main Campus

The Learning Centre on the Camperdown and Darlington campuses offers a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, a special program for international students, computer-based learning resources, publications of learning resources and library facilities.

For details of programs, activities and online resources provided by the Learning Centre visit the website:
www.usyd.edu.au/stuserv/academic_support/index.shtml via your MyUni student portal or the Services for Students website:
www.usyd.edu.au/stuserv.

34. Resolutions of the Senate and the Faculty

Resolutions of the Senate

Faculty Resolutions and tables of units of study appear in the relevant faculty handbook.

Constitution of the Faculty of Health Sciences

1. The Faculty of Health Sciences shall comprise the following persons:
1.1 the professors, associate professors, heads of schools, readers, senior lecturers, lecturers and associate lecturers who are full-time or fractional (40 per cent or greater), continuing or fixed-term members of the teaching staff of the schools placed under the supervision of the Faculty of Health Sciences;
1.2 the Deans of the Faculties of Arts, Dentistry, Medicine, Nursing and Midwifery, Pharmacy and Science or their nominees and the Head of the Department of Sociology and Social Policy or nominee;
1.3 seven student members, namely:
1.3.1 five students enrolled as candidates for an undergraduate degree or diploma offered by the Faculty; and
1.3.2 one student enrolled as a candidate for a postgraduate coursework degree or diploma or certificate offered by the Faculty; and
1.3.3 one student enrolled as a candidate for a postgraduate research degree offered by the Faculty;
1.4 full-time and fractional (40 per cent or greater) continuing or fixed-term members of the staff of the schools and centres of the Faculty who are appointed as research-only staff;
1.5 not more than three persons who are distinguished in a field of Health Science, appointed by the Faculty on the nomination of the Dean of the Faculty;
1.6 the Faculty Manager and Health Sciences Librarian;
1.7 four persons, being members of the general staff employed at Cumberland Campus having a close and appropriate association with the Faculty's work of teaching and research.
2. In addition to the above, the following persons are *ex officio* members:
2.1 the Chancellor, the Deputy Chancellor, the Vice-Chancellor, the Deputy Vice-Chancellors and the University Librarian (or nominee of the University Librarian).
3.1 The Faculty shall encourage teaching, scholarship and research in the schools; and
3.1.1 centres that the Vice-Chancellor has determined;
3.1.1.1 shall be placed under the supervision of the Faculty of Health Sciences; and
3.1.1.2 shall have the same powers and functions as are specified for faculties by resolution of the Senate.

Degrees, diplomas and certificates in the Faculty of Health Sciences

1. The degrees in the Faculty of Health Sciences shall be:
1.1 Bachelor of Applied Science (BAppSc)
1.2 Bachelor of Health Science (BHlthSc)
1.3 Bachelor of Health Sciences (BHlthSci)
1.4 Bachelor of Behavioural Health Science (BBHSc)*
1.5 Master of Applied Science (MAppSc)
1.6 Master of Clinical Vision Sciences (MclinVisSci)
1.7 Master of Communication Disorders (MCommDis)
1.8 Master of Diagnostic Radiography (MDR)**
1.9 Master of Exercise and Sport Science (MExSpSci)**
1.10 Master of Exercise Physiology (MExPhys)**
1.11 Master of Health Informatics (MHI)
1.12 Master of Health Information Management (MHIM)*
1.13 Master of Health Science (MHlthSc)
1.14 Master of Health Sciences (MHlthSci)**
1.15 Master of Nuclear Medicine (MNM)**
1.16 Master of Occupational Therapy (MOT)
1.17 Master of Orthoptics (MOrth)
1.18 Master of Physiotherapy (MPhty)
1.19 Master of Radiation Therapy (MRT)**
1.20 Master of Rehabilitation Counselling (MRehabClng)
1.21 Master of Speech Language Pathology (MSLP)**
1.22 Doctor of Philosophy (PhD)
1.23 Doctor of Health Science (HScD)

* Not available to commencing students.

** May be awarded in the grade of pass degree or honours degree. There shall be one level of honours.

2. The combined degrees in the Faculty of Health Sciences shall be:
2.1 Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) [BAppSc (Ex&SpSc) and BSc (Nutr)]
2.2 Bachelor of Health Sciences and Master of Clinical Vision Sciences (BHlthSci/MclinVisSci)
2.3 Bachelor of Health Sciences and Master of Health Informatics (BHlthSci/MHI)
2.4 Bachelor of Health Sciences and Master of Rehabilitation Counselling (BHlthSci/MRehabClng)
3. The diplomas in the Faculty of Health Sciences shall be:
3.1 Diploma of Health Science (DipHlthSc)
3.2 Graduate Diploma of Health Science (GradDipHlthSc)
3.3 Graduate Diploma in Communication Disorders (GradDipCommDis)
3.4 Graduate Diploma in Health Sciences (GradDipHlthSci)
3.5 Graduate Diploma in Rehabilitation Counselling (GradDipRehabClng)
4. The certificates in the Faculty of Health Sciences shall be:
4.1 Graduate Certificate of Health Science (GradCertHlthSc)
4.2 Graduate Certificate in Health Sciences (GradCertHlthSci)
5. The Faculty, acting on the recommendation of the head of the academic unit concerned, may refuse permission to a candidate for any of the above degrees, diplomas or certificates, to undertake or continue the clinical education (fieldwork/professional experience) component of the award; in circumstances where the candidate has not demonstrated satisfactory progress toward fulfilling the clinical requirements of the award.
6. The Faculty delegates authority to the Sub-dean (Undergraduate Coursework and Students / Sub-dean (Graduate Coursework and Students) to act on behalf of Faculty in relation to section 5 above; and that the Dean be the first point of appeal for students in relation to actions taken in this matter.

Course proposal for Bachelor of Health Sciences

Bachelor of Applied Science

1. **Requirements for the Bachelor of Applied Science**
1.1 To qualify for the award of the Bachelor of Applied Science students must:
1.1.1 complete successfully units of study giving credit for the total of credit points for the pass degree or the honours degree set out in section 3; and
1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
2. **Programs of study**
2.1 The degree of Bachelor of Applied Science may be awarded in:

Program of study	Credit points	
	Pass degree	Honours degree
Exercise and Sport Science	144	192
Medical Radiation Sciences	144	192

Program of study	Credit points	
Occupational Therapy	192	192
Physiotherapy	192	192
Speech Pathology	192	192

2.2 The degree of Bachelor of Applied Science may be awarded in the combined degree:

Program of study	Credit points	
	Pass degree	**Honours degree**
Exercise and Sport Science and Bachelor of Science (Nutrition)	240	240

3. **Requirements for the Bachelor of Applied Science honours degree**

3.1 To qualify for the award of the Bachelor of Applied Science honours degree students must complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Health Science

1. **Requirements for the Bachelor of Health Science**

1.1 To qualify for the award of the Bachelor of Health Science students must:

1.1.1 complete successfully units of study giving credit for the total of credit points for the pass degree or the honours degree set out in section 3; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. **Programs of study**

2.1 The degree of Bachelor of Health Science may be awarded in:

Program of study	Credit points	
	Pass degree	**Honours degree**
Full programs		
Aboriginal Health and Community Development	192	192
Hearing and Speech *(The last intake of new students was in 2007.)*	144	192
Off-shore (Singapore-based) Conversion programs		
Medical Radiation Sciences	24	N/A
Nursing	48	N/A
Physiotherapy	24	N/A
Occupational Therapy	24	N/A
Off-shore (Sydney-based) Conversion programs		
Medical Radiation Sciences	48	N/A
Physiotherapy	30	N/A
Occupational Therapy	24	N/A

Bachelor of Health Sciences

1. **Requirements for the Degree of Bachelor of Health Sciences**

1.1 To qualify for the award of the Bachelor of Health Sciences students must:

1.1.1 complete successfully units of study giving credit for a total of:

1.1.1.1 144 credit points for the pass degree; and

1.1.1.2 192 credit points for the honours degree; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. **Specialisations, streams or majors**

2.1 The award course, Bachelor of Health Sciences will be awarded in the following majors:

2.1.1 Health Sciences

2.1.2 Students will also take a major in:

2.1.2.1 Hearing and Speech, or

2.1.2.2 Movement Science, or

2.1.3 a major from another Faculty of the University as approved by the Faculty of Health Sciences.

3. **Requirements for the Bachelor of Health Sciences honours degree**

3.1 To qualify for the award of the honours degree students must complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Behavioural Health Science

The last intake of new students was in 2006.

1. **Requirements for the Bachelor of Behavioural Health Science**

1.1 To qualify for the award of the Bachelor of Behavioural Health Science students must:

1.1.1 complete successfully units of study giving credit for a total of:

1.1.1.1 144 credit points for the pass degree; and

1.1.1.2 192 credit points for the honours degree; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. **Majors**

2.1 The degree of Bachelor of Behavioural Health Science may be awarded in Health Psychology or Health Sociology.

3. **Requirements for the Bachelor of Behavioural Health Science honours degree**

3.1 To qualify for the award of the Bachelor of Behavioural Health Science honours degree students must complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Health Sciences and Master of Clinical Vision Sciences

1. **Requirements for the Bachelor of Health Sciences and Master of Clinical Vision Sciences**

1.1 To qualify for the award of the Bachelor of Health Sciences and Master of Clinical Vision Sciences a student must:

1.1.1 complete successfully units of study giving credit for a total of 192 credit points; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University and the Faculty.

2. **Requirements for the Bachelor of Health Sciences and Master of Clinical Vision Sciences honours degree**

2.1 To qualify for the award of the honours degree students must successfully complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Health Sciences and Master of Health Information Management

1. **Requirements for the Bachelor of Health Sciences and Master of Health Information Management**

1.1 To qualify for the award of the Bachelor of Health Sciences and Master of Health Information Management a student must:

1.1.1 complete successfully units of study giving credit for a total of 192 credit points; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University and the Faculty.

2. **Requirements for the Bachelor of Health Sciences and Master of Health Information Management honours degree**

2.1 To qualify for the award of the honours degree students must successfully complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Health Sciences and Master of Rehabilitation Counselling

1. **Requirements for the Bachelor of Health Sciences and Master of Rehabilitation Counselling**

1.1 To qualify for the award of the Bachelor of Health Sciences and Master of Rehabilitation Counselling a student must:

1.1.1 complete successfully units of study giving credit for a total of 192 credit points; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University and the Faculty.

2. **Requirements for the Bachelor of Health Sciences and Master of Rehabilitation Counselling honours degree**

2.1 To qualify for the award of the honours degree students must successfully complete the honours requirements published in the faculty resolutions relating to the course.

Masters degrees

1. The Faculty of Health Sciences offers the following master's degrees:

1.1 **Master of Applied Science**

1.1.1 The degree of Master of Applied Science is available in the following areas:

1.1.1.1 Behavioural Science
1.1.1.2 Biomedical Sciences
1.1.1.3 Communication Sciences and Disorders
1.1.1.4 Education
1.1.1.5 Exercise and Sport Science
1.1.1.6 Gerontology
1.1.1.7 Indigenous Community Health
1.1.1.8 Medical Radiation Sciences
1.1.1.9 Occupational Therapy
1.1.1.10 Orthoptics
1.1.1.11 Physiotherapy
1.1.1.12 Rehabilitation
1.1.1.13 Rehabilitation Counselling
1.1.1.14 Stuttering

1.2 **Master of Health Science**

1.2.1 The degree of Master of Health Science may be awarded in the grade of pass degree or honours* degree in the following subject areas:

1.2.1.1 Augmentative and Alternative Communication
1.2.1.2 Clinical Data Management
1.2.1.3 Development Disability
1.2.1.4 Education
1.2.1.5 Exercise and Sport Science
1.2.1.6 Management
1.2.1.7 Medical Radiation Sciences
1.2.1.8 Medical Sonography
1.2.1.9 Physiotherapy
1.2.1.10 Sexual Health

* There shall be one level of honours.

1.3 **Master of Health Sciences**

1.4 **Master of Communication Disorders (by research only)**

1.5 **Master of Diagnostic Radiography***

1.6 **Master of Exercise and Sport Science***

1.6.1 The degree Master of Exercise and Sport Science will be awarded in the following specialisations:

1.6.1.1 Master of Exercise and Sport Science (Clinical Exercise Science)*
1.6.1.2 Master of Exercise and Sport Science (Sports Performance)*

1.7 **Master of Health Informatics***

1.8 **Master of Nuclear Medicine***

1.9 **Master of Occupational Therapy***

1.10 **Master of Orthoptics**

1.11 **Master of Physiotherapy**

1.12 **Master of Radiation Therapy***

1.13 **Master of Rehabilitation Counselling**

1.14 **Master of Speech Language Pathology***

*May be awarded in the grade of pass degree or honours degree. There shall be one level of honours.

1.15 **The combined degrees of:**

1.15.1 Bachelor of Health Sciences and Master of Clinical Vision Sciences
1.15.2 Bachelor of Health Sciences and Master of Health Informatics
1.15.3 Bachelor of Health Sciences/Master of Rehabilitation Counselling

2. **Eligibility for admission**

2.1 The Faculty may, on the recommendation of the head of the academic unit concerned, admit to candidature for a degree of master within the Faculty, an applicant:

2.1.1.1 who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit; or

2.1.1.2 who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies; and

2.1.2 who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

2.2 Notwithstanding section 2.1, the Academic Board may admit a person to candidature in accordance with the provisions of Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*.

3. **Availability**

3.1 Admission to candidature for any master's degree or any program within a master's degree may be limited by quota.

3.2 In determining any quota the University will take into account:

3.2.1 availability of resources including space, library, equipment and computing facilities; and

3.2.2 availability of adequate and appropriate supervision, including both the supervision of research candidatures and the coordination of coursework programs.

3.3.1 In considering an application for admission to candidature the Faculty shall take account of any quota; and

3.3.2 will select in preference applicants who are most meritorious in terms of section 2 above.

3.4 Before recommending the admission of any applicant the head of the academic unit concerned shall ensure that the extent of the resources and supervision available:

3.4.1 is known to and understood by the applicant; and

3.4.2 is appropriate to the applicant's proposed area of study and research.

4. **Preliminary studies**

4.1 An applicant may be required to:

4.1.1 undertake preliminary or qualifying studies; and

4.1.2 complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.

4.2 Such an applicant shall complete the preliminary studies:

4.2.1 in not less than one semester; and

4.2.2 in not greater time than the Faculty may prescribe but in any case in not longer than two years.

5. **Probationary admission**

5.1 A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding 12 months; and upon completion of this period the Faculty shall review the candidate's work; and

5.1.1 either confirm the candidate's status with effect from the date of the original acceptance; or

5.1.2 terminate the candidature.

6. **Method of progression**

6.1 A candidate shall proceed:

6.1.1 primarily by research and thesis; or

6.1.2 by coursework and thesis; or

6.1.3 primarily by coursework.

7. **Time limits**

7.1 A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

7.2 Except with the permission of the Faculty as provided in section 7.4 below:

7.2.1 a full-time candidate proceeding primarily by research and thesis shall complete the requirements:

7.2.1.1 not earlier than the end of the fourth semester: and

7.2.1.2 not later than the end of the sixth semester of candidature;

7.2.2 a full-time candidate proceeding primarily by coursework shall complete the requirements:

7.2.2.1 not earlier than the end of the second semester; and

7.2.2.2 not later than the end of the sixth semester of candidature;
7.2.2.3 except in the case of candidates proceeding to the award of the degrees of Master of Diagnostic Radiography, Master of Exercise and Sport Science, Master of Nuclear Medicine, Master of Occupational Therapy, Master of Orthoptics, Master of Physiotherapy, Master of Radiation Therapy, Master of Speech Language Pathology
7.2.2.4 where the minimum period of candidature is four semesters and the maximum period of candidature is eight semesters;
7.2.3 a part-time candidate proceeding primarily by research and thesis shall complete the requirements:
7.2.3.1 not earlier than the end of the sixth semester; and
7.2.3.2 not later than the end of the tenth semester of candidature;
7.2.4 a part-time candidate proceeding by coursework shall complete the requirements:
7.2.4.1 not earlier than the end of the fourth semester; and
7.2.4.2 not later than the end of the tenth semester of candidature.
7.3 The Faculty may in special circumstances:
7.3.1 extend a candidate's maximum period of candidature; and
7.3.2 prescribe special conditions to be fulfilled by the candidate.
7.4 The Faculty, at the time of admission to candidature, may permit a candidate proceeding primarily by research and thesis who holds a bachelor's degree with first or second class honours from the University of Sydney or an equivalent qualification, to complete the requirements:
7.4.1 not earlier than the end of the first year of candidature if a full-time candidate; and
7.4.2 not earlier than the end of the second year of candidature if a part-time candidate.

8. Credit

8.1 The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:
8.1.1 deem such time to have been time spent after admission to candidature; and
8.1.2 grant credit towards the degree on the basis of a course or courses regarded as equivalent in workload and academic standard, provided that:
8.1.2.1 the time recognised or the credit granted represents no more than half of the total candidature; and
8.1.2.2 any attendance requirements as may be prescribed by resolution of the Faculty are met.
8.2 The Faculty may, under specific conditions prescribed by resolution of the Faculty, grant credit additional to that specified in section 8.1.2 to holders of graduate diplomas awarded by the Faculty.

9. Supervision

9.1.1 The Faculty shall appoint, on the recommendation of the head of the academic unit concerned, a full-time member of the academic staff of the Faculty to act as supervisor of each candidate proceeding primarily by research and thesis or by coursework and thesis; and
9.1.2 may appoint, for each such candidate, an advisory committee.
9.2 The Faculty shall appoint, on the recommendation of the head of the academic unit concerned, a full-time member of the academic staff of the Faculty to act as supervisor or adviser, as thought most appropriate for each candidate proceeding primarily by coursework.
9.3 The Faculty may appoint, on the recommendation of the head of the academic unit concerned, from amongst appropriately qualified persons, an associate supervisor to assist in the supervision of any candidature.

10. Enrolment

10.1 A candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the degree are completed or the candidature terminated.
10.2 A candidate readmitted to candidature after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.

11. Requirements for the degree

11.1 A candidate for the degree proceeding primarily by coursework shall complete the courses for the degree:
11.1.1 as prescribed by the Faculty; and
11.1.2 set out in tables of units of study.
11.2 A candidate for the degree proceeding primarily by research and thesis or by coursework and thesis shall:
11.2.1 complete the units of study for the degree as prescribed by the Faculty and set out in tables of units of study;
11.2.2 carry out supervised research on a topic which has been approved by the Faculty on the recommendation of the head of the academic unit concerned no later than the end of the second semester of the full-time candidature or the third semester of part-time candidature;
11.2.3 write a thesis embodying the results of the research; and
11.2.3.1 in completion of the requirements for the degree, lodge with the Registrar three copies of the thesis, typewritten and bound in either a temporary or permanent form.
11.3 Theses submitted in a temporary binding should be strong enough to withstand ordinary handling and postage;
11.3.1 the preferred form of temporary binding is the 'perfect binding' system;
11.3.2 ring-back or spiral binding is not acceptable.
11.4 Theses submitted in a temporary form shall have fixed to the cover a label clearly identifying:
11.4.1 the name of the candidate;
11.4.2 the title of the thesis; and
11.4.3 the year of submission.
11.5 Theses submitted in a bound form shall normally be on international standard A4 size paper sewn and bound in boards covered with bookcloth or buckram or other binding fabric.
11.6 The title of the thesis, the candidate's initials and surname, the title of the degree, the year of submission and the name of the University of Sydney should appear in lettering on the front cover or on the title page.
11.7 The lettering on the spine, reading from top to bottom, should conform as far as possible to the above except that the name of the University of Sydney may be omitted and the thesis title abbreviated.
11.8 Supporting material should be bound in the back of the thesis as an appendix or in a separate set of covers.
11.9 The degree shall not be awarded until the candidate has caused at least two copies of the thesis (containing any corrections or amendments that may be required) to be bound in a permanent form.
11.10 The candidate shall state in the thesis the sources from which the information was derived, the extent to which the work of others has been used and the portion of the work claimed as original.
11.11 The thesis shall be accompanied by a statement from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
11.12.1 A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but will not be precluded from incorporating such in the thesis;
11.12.2 provided that in presenting the thesis the candidate indicates the part of the work which has been so incorporated.
11.13 On completion of the requirements for the degree by a candidate proceeding primarily by research and thesis or by coursework and thesis, the Faculty, on the recommendation of the head of the academic unit concerned, shall appoint two examiners, of whom one shall not be a member of the academic staff of the Faculty, to examine and report on the thesis.
11.14.1 All examiners shall be furnished with a copy of the course description and course requirements as published in the Faculty Postgraduate Study booklet; and
11.14.2 be required to award marks/grades of fail, pass, credit, distinction and high distinction according to the criteria demanded by the Faculty, which is available from Student Central (Cumberland).
11.15 the reports of the examiners shall be made available to the head of the academic unit concerned, who shall consult with the supervisor.
11.16 The head of the academic unit concerned shall report the result of the examination of the candidature together with a recommendation concerning the award of the degree (mark/grade) to the Faculty which shall determine the final result and its grade.
11.17 In special cases the Faculty may, on the recommendation of the head of the academic unit concerned, require the candidate to take a further examination in the area of the thesis which may be an oral examination to be held at the Faculty or at such other location as may be determined by the Faculty.
11.18 The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis for re-examination if, in the opinion of the head of the academic unit concerned, the candidate's work

is of sufficient merit and may prescribe special conditions to be fulfilled by the candidate.

11.19 On the completion of the requirements for the degree by a candidate proceeding primarily by coursework the academic unit concerned shall report the results of the examination of the coursework to the Faculty which shall determine the result of the candidature.

12. **Progress**

12.1 A report on the progress towards completion of the requirements for the degree shall be prepared by the appointed supervisor at least annually in respect of each candidate proceeding primarily by research and thesis or by coursework and thesis.

12.2 The report shall be shown to the candidate and the candidate shall sign the report as having sighted the contents.

12.3 The report, after signature by the candidate, shall be forwarded to the Faculty through the head of the academic unit concerned.

12.4.1 The Faculty may, on the recommendation of the head of the academic unit concerned, call upon any 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, the candidate does not show good cause, the Faculty may terminate the candidature.

Master of Health Informatics

1. **Requirements for the Master of Health Informatics.**

1.1 To qualify for the award of the Master of Health Informatics a student must:

1.1.1 complete successfully units of study giving credit for a total of 96 credit points; and

1.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and the Faculty.

2. **Requirements for the Honours Degree**

2.1 To qualify for the award of the honours degree students must successfully complete the honours requirements published in the Faculty Resolutions relating to the course.

Coursework courses

Master of Health Sciences
Graduate Diploma in Health Sciences (Exit only)
Graduate Certificate in Health Sciences

1. **Requirements for the degree of Master of Health Sciences**

1.1 To qualify for the award of the pass degree, a student must complete successfully units of study totalling 48 credit points; and

1.2 complete successfully such clinical and/or professional experience requirements as designated by the Faculty; and

1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. **Requirements for the Master of Health Sciences honours degree**

2.1 To qualify for the award of the honours degree, a student must successfully complete the honours requirements published in the faculty resolutions relating to the course.

2.2 These include the completion of a total of 60 credit points of units of study.

2.3 There shall be one level of honours award.

3. **Requirements for the Graduate Diploma in Health Sciences**

3.1 To qualify for the award of the Graduate Diploma in Health Sciences, a student must complete successfully units of study totalling 36 credit points; and

3.2 complete successfully such clinical and/or professional experience requirements as designated by the Faculty; and

3.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

4. **Requirements for the Graduate Certificate in Health Sciences**

4.1 To qualify for the award of the Graduate Certificate in Health Sciences, a student must complete successfully units of study totalling 24 credit points; and

4.2 complete successfully such clinical and/or professional experience requirements as designated by the Faculty; and

4.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

.

Master of Health Science (Physiotherapy)

1. **Requirements for the Master of Health Science (Physiotherapy)**

1.1 To qualify for the award of the Master of Health Science (Physiotherapy) a student must:

1.1.1 complete successfully units of study giving credit for a total of 48 credit points; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. **Specialisations, streams or majors**

2.1 The award course, Master of Health Science (Physiotherapy), will be awarded in the following specialisations/streams/majors:

2.1.1 Cardiopulmonary Physiotherapy

2.1.2 Manipulative Physiotherapy

2.1.3 Neurological Physiotherapy

2.1.4 Paediatric Physiotherapy

2.1.5 Sports Physiotherapy

RESOLUTIONS OF THE SENATE

Master of Exercise Physiology

1. **Requirements for the degree of Master of Exercise Physiology**

1.1 To qualify for the award of the pass degree, a student must complete successfully units of study totaling 96 credit points and

1.2 complete successfully such clinical and/or professional experience requirements as designated by the University and the Faculty; and

1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University and the Faculty.

2. **Requirements for the Master of Exercise Physiology honours degree**

2.1 To qualify for the award of the honours degree, a student must complete successfully units of study totaling 120 credit points. These include

2.1.1 96 credit points for core units with credit average

2.1.2 24 credit points for research dissertation unit of study; and

2.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and the Faculty.

2.3 There shall be one level of honours award.

Master of Exercise and Sport Science

1. **Requirements for the Master of Exercise and Sport Science**

1.1 To qualify for the award of the Master of Exercise and Sport Science a student must:

1.1.1 complete successfully units of study giving credit for a total of 48 credit points; and

1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. **Specialisations, streams or majors**

2.1 The award course, Master of Exercise and Sport Science, will be awarded in the following specialisations/streams/majors:

2.1.1 Sports Performance

2.1.2 Clinical Exercise Science

3. **Requirements for the honours degree**

3.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.

3.2 These include the completion of 72 credit points with credit grade point average, including 24 credit points in the form of 'Dissertation'.

3.3 There shall be one level of honours award.

Doctor of Health Science

1. Admission to Candidature

1.1 *General admission requirements*

1.1.1 An applicant for admission to candidature shall:

1.1.1.1 apply in writing to the Dean; and

1.1.1.2 submit with the application an outline of the proposed course of advanced study and research, including the general area of the proposed thesis.

1.1.2 Subject to the approval of the supervisor, head of academic unit, and the Dean, a candidate shall pursue the program of advanced study and research either:

1.1.2.1 within the University including research stations and teaching hospitals;

1.1.2.2 on fieldwork either in the field or in libraries, museums or other repositories;

1.1.2.3 within industrial laboratories or research institutions or other institutions considered by the Faculty to provide adequate facilities for that candidature; or

1.1.2.4 within a professional working environment.

1.1.2.4.1 A candidate shall be regarded as engaging in work within the University if he or she is undertaking approved distance and/or off-campus study, this being a mode of study in which the student would not be in regular physical attendance on a designated campus of the University.

1.1.3 An applicant for admission to part-time candidature, in addition to the above, shall also submit with the application a written undertaking that the applicant will:

1.1.3.1 have sufficient time available to complete the requirements for the degree in accordance with these Senate Resolutions, and within the maximum time period prescribed in section 8 of these Resolutions, and

1.1.3.2 be able to attend the University at such time and on such occasions for the purposes of consultation and participation in prescribed academic and educational activities, as may be required on the recommendation of the Dean, Pro-Dean, Associate Dean (graduate research) or head of academic unit in which the research is being supervised.

1.1.4 An applicant may be admitted to candidature in the off-campus mode as either a full-time or part-time candidate and will comply with the above regulations.

1.1.5 A candidate pursuing candidature outside Australia must also complete a cumulative minimum period of two semesters of candidature within the University.

1.2 *Admission to candidature by the Faculty*

1.2.1 The Dean may admit an applicant to candidature for the degree if:

1.2.1.1 the candidate's application complies with the general requirements in section 1.1 above, and

1.2.1.2 the applicant holds or has fulfilled the requirements for:

1.2.1.2.1 the degree of Bachelor with First or Second Class Honours from the University of Sydney, or

1.2.1.2.2 an undergraduate degree deemed to be equivalent to that in 1.2.1.2.1, or

1.2.1.2.3 the degree of Master by research from the University of Sydney, or

1.2.1.2.4 the degree of Master by coursework from the University of Sydney with a credit average of at least 70, or

1.2.1.2.5 a postgraduate degree deemed to be equivalent to either that in 1.2.1.2.3 or 1.2.1.2.4; and

1.2.1.3 the applicant normally has a minimum of three years' recent, full-time experience in the health field or equivalent.

1.3 *Admission to candidature by the Academic Board*

1.3.1 On the recommendation of the Faculty of Health Sciences the Academic Board may admit to candidature for the degree an applicant whose application complies with section 1.1 above and who:

1.3.1.1 possesses such qualifications as a deemed equivalent to those described in section 1.2; and

1.3.1.2 is recommended by the Faculty of Health Sciences as being suitably prepared to pursue graduate studies at this level.

2. Studies during the candidature

2.1 Except with the permission of Faculty, candidates will pursue an approved course of advanced study and research comprising a total of 144 credit points as follows:

2.1.1 postgraduate units of study at a grade level as prescribed by Faculty of which no more than 48 credit points can be credited towards the award; and

2.1.2 a thesis and doctoral seminar program together worth 96 credit points.

2.1.2.1 During the candidature, students will be expected to make three presentations on their research (one of which should be external to the University) to their peers. Normally, these would be in the form of a thesis proposal and two 'work in progress' seminars, one of which might be analogous to an oral defence of the nearly-completed thesis.

2.1.2.2 Candidates must complete a thesis of 60,000 words (or equivalent) investigating a specific aspect or specific aspects of either their own and/or others' professional practice within the course of advanced study and research approved by Faculty.

2.2.1 An applicant applying for credit transfer will have:

2.2.1.1 satisfied the admission criteria listed above; and

2.2.1.2 demonstrated a high level of competency in the completed graduate coursework for which credit transfer is requested.

2.2.1.3 demonstrated a high level of competency (normally indicated by a mark of at least 70 or equivalent) in the completed graduate coursework for which credit transfer is requested.

2.2.2 Approval for credit transfer will be granted by the Higher Degree Research Subcommittee of the Faculty of Health Sciences on the recommendation of the Subdean (Graduate Research).

2.2.3 Normally, credit transfer will only be granted for previously completed units of study which can be demonstrated as contributing to the candidate's total program of study in the Doctor of Health Science degree.

2.2.4 In exceptional circumstance up to a maximum of 48 credit points (the coursework component of the degree) may be granted as credit transfer.

3. Supervisors – appointment

3.1 The Faculty, on the recommendation of the Head of Academic Unit concerned, shall appoint a suitably qualified supervisor for each candidate:

3.1.1 to take primary responsibility for the conduct of the candidature; and

3.1.2 to be responsible for the progress of the candidature to the Head of Academic Unit concerned and the Faculty.

3.2 The Faculty, on the recommendation of the Head of Academic Unit concerned, shall normally appoint one or more associate supervisors for each candidate to assist in the supervision of that candidate.

4. Supervisors – qualifications

4.1 A person appointed as a supervisor must be either:

4.1.1 a member of the academic staff;

4.1.2 a member of the senior research staff;

4.1.3 a person upon whom the Senate has conferred an academic title or a clinical academic title; or

4.1.4 such other member of the staff of the University as may be considered appropriate in a particular case by the Graduate Studies Committee.

4.2 A person appointed as an associate supervisor must:

4.2.1 hold the qualifications referred to in section 4.1; or

4.2.2 have been appointed as an honorary associate of the University; or

4.2.3 have been appointed as an associate supervisor within the Faculty by the Dean.

5. Progress

5.1 At the end of each year each candidate shall provide evidence of progress to the satisfaction of the supervisor and Head of Academic Unit concerned and any Unit or Faculty Postgraduate Review Committee.

5.2.1 On the basis of evidence provided, the Head of Academic Unit shall recommend the conditions of candidature to apply for the following year; and

5.2.2 may require the candidate to provide further evidence of progress at the end of one semester or such other period as the Head of Academic Unit considers appropriate.

5.3 If a candidate fails to submit evidence of progress or if the Head of Academic Unit concerned considers that the evidence submitted does not indicate satisfactory progress:

5.3.1 the Faculty may, on the Head's recommendation, call upon the candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree: and
5.3.2 where, in the opinion of the Faculty, the candidate does not show good cause, the Faculty may:
5.3.2.1 terminate that candidature; or
5.3.2.2 impose conditions on the continuation of that candidature

6. **The thesis**

6.1 The candidate shall present a thesis of 60,000 words (or equivalent), which shall be a substantial and original contribution to the subject concerned.
6.2 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.
6.3 A candidate may submit as partly or substantially a part of the thesis 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.
6.4 The candidate shall state:
6.4.1 the sources from which the information is derived;
6.4.2 the extent to which the work of others has been made use of; and
6.4.3 the portion of the work that the candidate claims as original.
6.5 The topic of the thesis shall be approved by Faculty.
6.6.1 The dean, on the recommendation of the Head of Academic Unit, shall appoint a supervisor who shall be a member of the academic staff of the Faculty.
6.6.2 In appropriate cases the Dean may appoint an associate supervisor.
6.7 A candidate may not present as the thesis any work which has been presented for a degree at this or any other university, but the candidate will not be precluded from incorporating such work in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been incorporated.
6.8 A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by the Faculty.
6.9 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.
6.10 When the degree has been awarded, a copy of the thesis incorporating any required emendations and revisions shall be lodged in the University Library.

7. **Examination process**

7.1 The HScD examination process will be conducted according to the procedures for the PhD.

8. **Time limits**

8.1 Subject to section 1.1 a candidate may proceed either on a full-time or part-time basis.
8.2 Except in special circumstances and with the approval of the Dean all candidates shall complete a minimum of six semesters of candidature taken over a period of time and in such manner as approved by the Dean.

Diploma of Health Science

1. **Requirements for the diploma**

1.1 To qualify for the award of the diploma students must complete successfully units of study giving credit for 96 credit points, and satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. **Programs of study**

2.1 The Diploma of Health Science may be awarded in Aboriginal Health and Community Development.

Graduate diplomas and graduate certificates

1. **Subject areas**

1.1 The Graduate Diploma of Health Science may be taken in the following subject areas:
1.1.1 Augmentative and Alternative Communication
1.1.2 Education
1.1.3 Exercise and Sport Science
1.1.4 Health Information Management*
1.1.5 Medical Radiation Sciences
1.1.6 Medical Sonography
1.1.7 Physiotherapy*
1.1.8 Sexual Health
*No commencing students
1.2 A Graduate Diploma may be taken in the following subject areas:
1.2.1 Communication Disorders
1.2.2 Health Sciences
1.2.3 Rehabilitation Counselling
1.3 The Graduate Certificate of Health Science may be taken in the following areas:
1.3.1 Augmentative and Alternative Communication
1.3.2 Casemix
1.3.3 Clinical Data Management
1.3.4 Developmental Disability
1.3.5 Education
1.3.6 Exercise and Sport Science
1.3.7 Medical Radiation Sciences
1.3.8 Medical Sonography
1.3.9 Physiotherapy*
1.3.10 Sexual Health
1.4 A Graduate Certificate may be taken in the following subject area:
1.4.1 Health Sciences
*No commencing students

2. **Eligibility for admission**

2.1 The Faculty may, on the recommendation of the head of the academic unit concerned, admit to candidature for a graduate diploma or a graduate certificate within the Faculty an applicant:
2.1.1.1 who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit; or
2.1.1.2 who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies; and
2.1.2 who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.
2.2 Notwithstanding section 2.1, the Academic Board may admit a person to candidature for a graduate diploma or a graduate certificate in accordance with the provisions of Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*.

3. **Availability**

3.1 Admission to candidature for any graduate diploma or graduate certificate or for any program within a graduate diploma or graduate certificate may be limited by quota.
3.2 In determining any quota the University will take into account:
3.2.1 availability of resources including space, library, equipment and computing facilities; and
3.2.2 availability of adequate and appropriate supervision, including both the supervision of research candidatures and the coordination of coursework programs.
3.3 In considering an application for admission to candidature the Faculty shall take account of any quota and will select in preference applicants who are most meritorious in terms of section 2 above.
3.4 Before recommending the admission of any applicant the head of the academic unit concerned shall ensure that the extent of the resources and supervision available:
3.4.1 is known to and understood by the applicant; and
3.4.2 is appropriate to the applicant's proposed area of study and research.

4. **Preliminary studies**

4.1 An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
4.2 Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe.

5. **Probationary admission**

5.1 A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding 12 months, and upon completion of this period the Faculty shall review the candidate's work and shall:

5.1.1 either confirm the candidate's status with effect from the date of the original acceptance; or
5.1.2 terminate the candidature.

6. **Time limits**

6.1 A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

7. **Credit**

7.1 The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:
7.1.1 deem such time to have been time spent after admission to candidature; and
7.1.2 grant credit towards the graduate diploma on the basis of a course or courses regarded as equivalent in workload and academic standard provided that:
7.1.2.1 the time recognised or the credit granted represents no more than half of the total candidature; and
7.1.2.2 any attendance requirements as may be prescribed by resolution of the Faculty are met.

8. **Enrolment**

8.1 A candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the graduate diploma are completed or the candidature terminated.

8.2 A candidate readmitted to candidature after an absence of more than one year shall complete the graduate diploma under such conditions as the Faculty shall determine.

9. **Requirements for the graduate diploma**

9.1 A candidate for the graduate diploma or graduate certificate shall complete the courses as prescribed by the Faculty and set out in tables of courses.
9.2 On the completion of the requirements for the graduate diploma or graduate certificate the head of the academic unit concerned shall report the results of the examination of the coursework to the Faculty which shall determine the result of the candidature.

10. **Progress**

10.1 The Faculty may, on the recommendation of the head of the academic unit concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the graduate diploma or graduate certificate; and where, in the opinion of the Faculty, the candidate does not show good cause, the Faculty may terminate the candidature.

Resolutions of the Faculty

Bachelor of Applied Science

1. **Requirements for the degree**

1.1 A student who is a candidate for the pass degree is to complete all core, elective and general elective units of study shown in the *Table of units of study* for the pass degree in the program of study in which he or she has enrolled, as set out in the chapter of the Faculty of Health Sciences Handbook for the degree concerned.
1.2 A student who is a candidate for the honours degree is to:
1.2.1 meet the requirements prescribed for the degree concerned for admission to the honours program; and
1.2.2 complete all core, elective and general elective units of study shown in the *Table of units of study* for the honours degree in the program of study in which he or she has enrolled, as set out in the chapter of the Faculty of Health Sciences Handbook for the degree concerned.
1.3 Units of study may specify assumed knowledge or prerequisite or corequisite units of study.
1.3.1 The head of the academic unit may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.
1.4 A student may proceed concurrently to the degrees of Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition).
1.4.1 To qualify for the award of the combined degrees a student shall complete, normally over a period of ten semesters, units of study having a total value of at least 240 credit points as specified in Table 10.2 of the Faculty of Health Sciences Handbook including:
1.4.1.1 at least 138 credit points from Science subject areas;
1.4.1.2 at least 12 credit points from the Science subject areas of Mathematics and Statistics;
1.4.1.3 an honours year in Nutrition or Nutrition and Dietetics;
1.4.1.4 at least 102 credit points of units of study in Exercise and Sport Science listed in Table 10.1 of the Faculty Resolutions for the degree of BAppSc(Exercise and Sport Science) in the Faculty of Health Sciences.
1.4.2 A student who does not qualify to undertake the final year (Year 5) of the combined degrees course or who chooses to exit after completing Year 4 may:
1.4.2.1 graduate with the degree of Bachelor of Applied Science (Exercise, Sport Science and Nutrition) in accordance with the Resolutions of the Senate in the Faculty of Health Sciences; or
1.4.2.2 elect to undertake the degree of Bachelor of Applied Science (Exercise, Sport Science and Nutrition) (Honours) in accordance with the Resolutions of the Senate in the Faculty of Health Sciences.
1.4.3 After completing at least two semesters in the combined degrees course, a student may abandon the combined degrees course and elect to complete either a BSc, a BSc(Nutrition), a BAppSc(Exercise and Sport Science) or a BAppSc(Exercise, Sport Science and Nutrition) in accordance with the Resolutions of the Senate and Faculty Resolutions governing those degrees.
1.4.4 Students in years 1–4 of the combined degrees course will be under the general supervision of the Faculty of Health Sciences; students in the honours year will be under the supervision of the faculty in which the honours course is being undertaken.
1.4.5 The Deans of the Faculties of Health Sciences and Science shall jointly exercise authority in any matter concerning the combined degrees course not otherwise dealt with in these Resolutions.
1.5 A unit of study shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the academic unit concerned.
1.5.1 The words 'to complete a unit of study' and derivative expressions mean:
1.5.1.1 to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
1.5.1.2 to obtain a passing grade for that unit of study in accordance with the assessment criteria prescribed by the Faculty or the academic unit concerned.
1.5.2 A candidate permitted to re-enrol in a unit of study which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
1.6 Where in these resolutions a power is given to the Faculty or a head of the academic unit, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of the academic unit may, in their discretion, in any particular case:
1.6.1 exercise the power,
1.6.2 exercise the power conditionally, or
1.6.3 decline to exercise the power.
1.7 A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
1.7.1 Except with the permission of the Faculty, on the recommendation of the head of the academic unit concerned, a candidate shall not enter a unit of study unless entry requirements prescribed for that unit of study have been satisfied.
1.8 A candidate may be granted credit towards the degree on the basis of a unit of study or units of study regarded by the Faculty,

on the recommendation of the head of academic unit concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided that the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements for a program of three years standard length or three-quarters for a program of four years length.

1.9 A candidate for the pass degree shall complete the units of study as set out in the tables in respect of the appropriate degree area.

1.10 A candidate for the honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the relevant entry for the degree in the Faculty of Health Sciences Handbook.

2. Enrolment restrictions

2.1 Except with the permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

Bachelor of Health Science

1. Admission

1.1 A person seeking admission to the degree is to satisfy the admission requirements for the program of study in which he or she wishes to enrol, as set out in the relevant entry for the degree in the Faculty of Health Sciences Handbook.

2. Requirements for the degree

2.1 A student who is a candidate for the pass degree is to complete all core, elective and general elective units of study shown in the *Table of units of study* for the pass degree in the program of study in which he or she has enrolled, as set out in the chapter of the Faculty of Health Sciences Handbook for the degree concerned.

2.2 A student who is a candidate for the honours degree is to:

2.2.1 meet the requirements prescribed for the degree concerned for admission to the honours program; and

2.2.2 complete all core, elective and general elective units of study shown in the *Table of units of study* for the honours degree in the program of study in which he or she has enrolled, as set out in the relevant entry for the degree in the Faculty of Health Sciences Handbook.

2.3 Units of study may specify assumed knowledge or prerequisite or corequisite units of study.

2.3.1 The head of the relevant academic unit may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

3. Enrolment restrictions

3.1 Except with the permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

Bachelor of Health Sciences

Course rules

1. Admission

1.1 Applicants for submission as candidates for the Bachelor of Health Sciences degree shall meet minimum standards, as specified by the relevant University/Faculty admission requirements.

1.2 Applicants with qualifications gained in a country other than Australia, where the previous qualifications was not taken in English, will be required to have a minimum IELTS of 7.0 with 7.0 in each band;

1.3 Mature-age applicants will be assessed on criteria determined by the Faculty of Health Sciences.

2. Units of study

2.1 A student who is a candidate for the pass degree is to complete all core and elective units of study shown in the *Table of units of study* for the pass degree, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.

2.2 A student who is a candidate for the honours degree is to:

2.2.1 meet the requirements for admission to the honours program; and

2.2.2 complete all core and elective units of study shown in the *Table of units of study* for the honours degree, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.

2.3 Units of study may specify assumed knowledge or prerequisite or corequisite units of study.

2.3.1 The Dean may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

3. Requirements for the degree of Bachelor of Health Sciences

3.1 To qualify for the award of the degree students must be admitted to candidature for the degree and complete 144 credit points of units of study in total, including:

3.1.1 a major in Health Sciences, comprising 48 credit points of core junior units of study as specified in the Faculty of Health Sciences Handbook. Students are encouraged to take an additional major sequence as defined by the resolutions relevant to that major.

3.1.2 a second major in one of the following faculties: Health Sciences, Science, Arts or Economics and Business. Their enrolment and requirements for the course and majors they undertake will be governed by the resolutions of the relevant faculties.

3.2 To enter the BHlthSci (Hons) program, students must achieve a minimum weighted average mark of at least 70. Exact minimum criteria will be determined on an annual basis.

3.2.1 Students with a record of failure in any unit of study would not normally be considered for admission to the honours program.

4. Requirements for the degree of Bachelor of Health Sciences (Honours)

4.1 complete successfully the requirements of the Bachelor of Health Sciences pass degree.

4.2 complete an additional 48 credit points specified in the Faculty of Health Sciences Handbook, giving a total of 192 credit points for the honours degree; and

4.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University and the Faculty.

5. Award of the degree of Bachelor of Health Sciences

5.1 The degree shall be awarded in two grades, namely pass and honours.

5.1.1 The grading system and criteria for the award of honours will follow Academic Board specifications as follows:

Grade	Description	Mark Range
H1M	Honours Class I and Medal	90-100
H1	Honours Class I	80-89
H21	Honours Class II (Division I)	75-79
H22	Honours Class II (Division II)	70-74
H3	Honours Class III	65-69
P	Pass	less than 65

Faculty rules

6. Details of units of study

6.1 The units of study, which may be taken for the degree, are set out in the *Tables of units of study* in the relevant chapter of the Faculty of Health Sciences Handbook relating to the degree.

7. Enrolment in more/less than the minimum load

7.1 Candidates who have a shown significant academic ability may, at the discretion of the Dean, be allowed to undertake more than the prescribed 24 credit points per semester.

7.2 The Dean may permit students, who can demonstrate good reason, to undertake less than 12 credit points in any one semester.

8. Cross-institutional study

8.1 Credit granted on the basis of work completed at another university or institution may not exceed 24 credit points of the overall award course requirements.

9. **Restrictions on enrolment**

9.1 Except with the permission of the Dean, a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

10. **Discontinuation of enrolment**

10.1 A student who wishes to suspend or discontinue his or her candidature for an undergraduate degree or a diploma is to apply to do so in accordance with the procedures set out in the Faculty of Health Sciences Handbook.

11. **Suspension of candidature**

11.1 A student who wishes to suspend or discontinue his or her candidature for an undergraduate degree or a diploma is to apply to do so in accordance with the procedures set out in the Faculty of Health Sciences Handbook.

11.2 Except with the approval of the Dean, a student who has discontinued his or her candidature for a degree, diploma, graduate diploma or graduate certificate, or whose candidature for a degree, diploma, graduate diploma or graduate certificate has lapsed, is to reapply for admission to candidature.

12. **Re-enrolment after an absence**

12.1 A student returning after an approved period of suspension may re-enrol in accordance with the current procedures for continuing students.

12.2 A student who has discontinued his or her candidature or whose candidature has lapsed is to reapply for admission to candidature. Such an application must be lodged by the advertised closing date in accordance with the usual procedures for the course and will be considered with all other applications received that year for that course.

13. **Satisfactory progress**

13.1 To satisfy the academic requirement for a University award, students must obtain a passing grade in all units of study in their courses.

13.2 Students must repeat failed units of study or their equivalent at the first opportunity and will be permitted to progress to the next semester in addition to repeating failed units of study, providing course requirements, including any prerequisites, corequisites and attendance requirements, can be met.

13.3 Detailed information about progression and show cause was set out in the Faculty of Health Sciences Handbook.

14. **Time limit**

14.1 A student for the degree would normally proceed on a full-time basis. A student may undertake a reduced enrolment with permission from the Dean.

14.1.1 Students proceeding on a full-time basis shall complete the requirements for the pass degree no later than at the end of the tenth semester of candidature.

14.1.2 Students proceeding on a full-time basis shall complete the requirements for the honours degree no later than at the end of the twelfth semester of candidature.

14.1.3 All candidates must complete the requirements for the pass degree within seven calendar years of first enrolment.

14.1.4 All candidates must complete the requirements for the honours degree within eight calendar years of first enrolment.

15. **Credit transfer policy**

15.1 The Dean may grant a student credit for units of study completed, or non-credentialed learning or experience gained, other than as part of the program in which he or she has enrolled, if the units of study or learning or experience are equivalent in content, workload and academic standard to units in the relevant *Table of units of study*.

15.2 The credit may be based on units of study completed towards an award course or as a non-award student, or on non-credentialed learning or experience.

15.3 A student seeking credit for units of study completed at the University of Sydney is to apply on the form provided by the Faculty.

15.4 A student seeking credit for units of study completed other than at the University of Sydney is to:

15.4.1 apply on the form provided by the Faculty;

15.4.2 supply documentary evidence of the unit of study description and the assessment result; and

15.4.3 be available for discussion with appropriate Faculty staff.

15.5 A student seeking credit on the basis of non-credentialed learning or experience is to:

15.5.1 apply on the form provided by the Faculty; and

15.5.2 be available for assessment by the appropriate unit of study coordinator.

15.6 Credit is not to be granted for units of study completed with the grade of 'Terminating Pass' or 'Conceded Pass', or equivalent.

15.7 For each application for credit, the Dean is to determine, as necessary:

15.7.1 the method for demonstrating the achievement of the equivalent academic standard for applications based on non-credentialed learning or experience;

15.7.2 the units of study for which credit is to be granted;

15.7.3 the credit point value of any credit granted for units of study not listed in the relevant *Table of units of study*;

15.7.4 the maximum duration of the student's candidature for the degree, proportionate to the amount of credit granted;

15.7.5 the credit point value of credit to be granted to a student who wishes to undertake a joint degree, overseas study, or a specialisation of professional value.

Combined degrees of Bachelor of Health Sciences and Master of Clinical Vision Sciences

Course rules

1. **Admission**

1.1 Applicants for admission as candidates for the combined Bachelor of Health Sciences/Master of Clinical Vision Sciences shall:

1.1.1 be eligible for admittance to the Bachelor of Health Sciences, University of Sydney

1.1.2 meet minimum standards, as specified by the Faculty of Health Sciences, of:

1.1.2.1 written and verbal English language competence and interpersonal communication;

1.1.2.2 numeracy;

1.2 Candidates who do not meet the above criteria may be admitted by the Dean of Faculty of Health Sciences.

1.3 Applicants with qualifications gained in a country other than Australia, where the previous qualification was not taken in English, will be required to have a minimum IELTS of 7.0 with 7.0 in each band.

1.4 Mature-age applicants will be assessed on criteria determined by the Faculty of Health Sciences.

2. **Management of combined degree course**

2.1 The Faculty of Health Sciences is the primary faculty for management of the combined degree course.

3. **Units of study**

3.1 A student who is a candidate for the degree is to complete all core and elective units of study shown in the *Table of units of study*, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.

4. **Requirements for the Bachelor of Health Sciences/Master of Clinical Vision Sciences**

4.1 To qualify for the award of the degree of combined Bachelor of Health Sciences/Master of Clinical Vision Sciences , a candidate shall complete successfully:

4.1.1 a minimum of 192 credit points including

4.1.1.1 96 credit points for the Bachelor of Health Sciences; and

4.1.1.2 96 credit points for the Master of Clinical Vision Sciences;

4.1.1.3 providing that all requirements are met for the Bachelor of Health Sciences and the Master of Clinical Vision Sciences as specified in the tables of units for those degree; and

4.1.2 students may not enrol in any unit of study that is substantially the same as one they have already passed;

4.1.3 students may not commence Master of Clinical Vision Sciences units of study without satisfactorily completing those Bachelor of Health Sciences units of study that occur prior to the first semester of year two.

4.1.4 students must maintain a credit average across the first two years of the course to remain in the Master of Clinical Vision Sciences program.

4.1.5 students must satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and Faculty;

4.1.6 where appropriate, the Faculty of Health Sciences reserves the right to require individual students to undertake further or remedial theoretical, clinical or practical study in addition to the minimum requirements set down in 4.1.1.
4.2 The requirements of the award must be completed within a maximum of six calendar years.
4.3 Candidates who abandon the combined course may elect to complete the Bachelor of Health Sciences degree in accordance with appropriate rules governing the degree and the Faculty of Health Sciences will recognise up to 48 credit points completed in the Master of Clinical Vision Sciences as satisfactorily completing requirements for the Bachelor of Health Sciences.
4.4 The Faculty of Health Sciences' 'Removal or Restriction of Students on Clinical Education or Fieldwork Placements' policy may apply where a candidate is deemed to be unsatisfactory at any time during a clinical placement.

5. **Requirements for honours degrees**

5.1 The Bachelor of Health Sciences/ Master of Clinical Vision Sciences will not be offered with an honours option. A program that will be recognised for Australian Postgraduate Awards and University Postgraduate Awards will be available for selected students.

Faculty rules

See Bachelor of Health Sciences/Master of Rehabilitation Counselling.

Combined degrees of Bachelor of Health Sciences and Master of Health Informatics

Course rules

1. **Admission**

1.1 Applicants for admission as candidates for the combined Bachelor of Health Sciences/Master of Health Informatics shall:
1.1.1 be eligible for admittance to the Bachelor of Health Sciences, University of Sydney
1.1.2 meet minimum standards, as specified by the Faculty of Health Sciences, of:
1.1.2.1 written and verbal English language competence and interpersonal communication;
1.1.2.2 numeracy;
1.2 Candidates who do not meet the above criteria may be admitted by the Dean of Faculty of Health Sciences.
1.3 Applicants with qualifications gained in a country other than Australia, where the previous qualification was not taken in English, will be required to have a minimum IELTS of 7.0 with 7.0 in each band.
1.4 Mature-age applicants will be assessed on criteria determined by the Faculty of Health Sciences.

2. **Management of combined degree course**

2.1 The Faculty of Health Sciences is the primary faculty for management of the combined degree course.

3. **Units of study**

3.1 A student who is a candidate for the degree is to complete all core and elective units of study shown in the *Table of units of study*, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.

4. **Requirements for the Bachelor of Health Sciences/Master of Health Informatics**

4.1 To qualify for the award of the degree of combined Bachelor of Health Sciences/Master of Health Informatics, a candidate shall complete successfully:
4.1.1 a minimum of 192 credit points including
4.1.1.1 96 credit points for the Bachelor of Health Sciences; and
4.1.1.2 96 credit points for the Master of Health Informatics;
4.1.1.3 providing that all requirements are met for the Bachelor of Health Sciences and the Master of Health Informatics as specified in the tables of units for those degree; and
4.1.2 students may not enrol in any unit of study that is substantially the same as one they have already passed;
4.1.3 students may not commence Master of Health Informatics units of study without satisfactorily completing those Bachelor of Health Sciences units of study that occur prior to the first semester of year two.
4.1.4 students must maintain a credit average across the first two years of the course to remain in the Master of Health Informatics program.
4.1.5 students must satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and Faculty;
4.1.6 where appropriate, the Faculty of Health Sciences reserves the right to require individual students to undertake further or remedial theoretical, clinical or practical study in addition to the minimum requirements set down in 4.1.1.
4.2 The requirements of the award must be completed within a maximum of six calendar years.
4.3 Candidates who abandon the combined course may elect to complete the Bachelor of Health Sciences degree in accordance with appropriate rules governing the degree and the Faculty of Health Sciences will recognise up to 48 credit points completed in the Master of Health Informatics as satisfactorily completing requirements for the Bachelor of Health Sciences.
4.4 The Faculty of Health Sciences' 'Removal or Restriction of Students on Clinical Education or Fieldwork Placements' policy may apply where a candidate is deemed to be unsatisfactory at any time during a clinical placement.

5. **Requirements for honours degrees**

5.1 Honours will be awarded in accordance with the resolutions for the degree to which the award is to be applied.

Faculty rules

See Bachelor of Health Sciences/Master of Rehabilitation Counselling.

Combined degrees of Bachelor of Health Sciences and Master of Rehabilitation Counselling

Course rules

1. **Admission**

1.1 Applicants for admission as candidates for the combined Bachelor of Health Sciences/Master of Rehabilitation Counselling shall:
1.1.1 be eligible for admittance to the Bachelor of Health Sciences, University of Sydney
1.1.2 meet minimum standards, as specified by the Faculty of Health Sciences, of:
1.1.2.1 written and verbal English language competence and interpersonal communication;
1.1.2.2 numeracy;
1.2 Candidates who do not meet the above criteria may be admitted by the Dean of Faculty of Health Sciences.
1.3 Applicants with qualifications gained in a country other than Australia, where the previous qualification was not taken in English, will be required to have a minimum IELTS of 7.0 with 7.0 in each band.

2. **Management of combined degree course**

2.1 The Faculty of Health Sciences is the primary faculty for management of the combined degree course.

3. **Units of study**

3.1 A student who is a candidate for the degree is to complete all core and elective units of study shown in the *Table of units of study*, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.

4. **Requirements for the Bachelor of Health Sciences/Master of Rehabilitation Counselling**

4.1 To qualify for the award of the degree of combined Bachelor of Health Sciences/Master of Rehabilitation Counselling, a candidate shall complete successfully:
4.1.1 a minimum of 192 credit points including
4.1.1.1 96 credit points for the Bachelor of Health Sciences; and

4.1.1.2 96 credit points for the Master of Rehabilitation Counselling;
4.1.1.3 providing that all requirements are met for the Bachelor of Health Sciences and the Master of Rehabilitation Counselling as specified in the tables of units for those degree; and
4.1.2 students may not enrol in any unit of study that is substantially the same as one they have already passed;
4.1.3 students may not commence Master of Rehabilitation Counselling units of study without satisfactorily completing those Bachelor of Health Sciences units of study that occur prior to the first semester of year two.
4.1.4 students must maintain a credit average across the first two years of the course to remain in the Master of Rehabilitation Counselling program.
4.1.5 students must satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and Faculty;
4.1.6 where appropriate, the Faculty of Health Sciences reserves the right to require individual students to undertake further or remedial theoretical, clinical or practical study in addition to the minimum requirements set down in 4.1.1.
4.2 The requirements of the award must be completed within a maximum of six calendar years.
4.3 Candidates who abandon the combined course may elect to complete the Bachelor of Health Sciences degree in accordance with appropriate rules governing the degree and the Faculty of Health Sciences will recognise up to 48 credit points completed in the Master of Rehabilitation Counselling as satisfactorily completing requirements for the Bachelor of Health Sciences
4.4 The Faculty of Health Sciences' 'Removal or Restriction of Students on Clinical Education or Fieldwork Placements' policy may apply where a candidate is deemed to be unsatisfactory at any time during a clinical placement.

5. Requirements for honours degrees

5.1 Honours will be awarded in accordance with the resolutions for the degree to which the award is to be applied.

Faculty rules

6. Details of units of study

6.1 The units of study, which may be taken for the degree, are set out in the entry for the degree in the Faculty of Health Sciences Handbook.

7. Enrolment in more/less than the minimum load

7.1 Candidates who have a shown significant academic ability may, at the discretion of the Dean, be allowed to undertake more than the prescribed 24 credit points per semester.
7.2 Candidates who can demonstrate good reason as to why they should be allowed to undertake less than 12 credit points in any one semester may, at the discretion of the Dean, be permitted to do so.

8. Cross institutional study

8.1 Credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 24 credit points.

9. Restrictions on enrolment

9.1 In considering an application for admission to candidature the Faculty will select in preference applicants who are most meritorious in terms of the admission criteria.
9.2 The enrolment of candidates in units of study shall be limited by the exigencies of the timetable.
9.3 The applicant must demonstrate, to the satisfaction of the Faculty, that during the candidature the student will be able to complete clinical and field experience required for the course.
9.4 Except with the express permissions of the Dean, a candidate may not enrol in units of study with a total value of more than 30 credit points in any one semester.

10. Discontinuation of enrolment

10.1 A candidate who wishes to suspend or discontinue his or her candidature is to apply to do so in accordance with the procedures set out in the Faculty of Health Sciences Handbook.

11. Suspension of candidature

11.1 Suspension of candidature is only applicable in cases of hardship or activities on the part of the student that are of national or state importance/are of a significant nature.
11.2 Examples of hardship may be illness or financial difficulties. Activities of a significant nature may be the inclusion of the student on a national sporting team, orchestra, etc that requires him/her to travel extensively for a specific period of time.
11.3 The granting of a suspension of candidature is at the discretion of the Dean.
11.4 Suspension of candidature will be for a minimum of one semester and a maximum of two semesters and may be granted only once during the degree.
11.5 In cases where a suspension of candidature is not granted, students may be required to discontinue their studies and follow the procedures for re-enrolment after an absence.

12. Re-enrolment after an absence

12.1 The Faculty of Health Sciences may require a student to show good cause why it should allow the student to re-enrol in a degree, diploma, graduate diploma or graduate certificate in the Faculty if it considers that the student has not made satisfactory progress towards fulfilling the requirements for that award.
12.2 It is not possible to define satisfactory progress in all cases in advance, but the Faculty considers that a student's progress is unsatisfactory if the student has:
12.2.1 enrolled on a full-time basis but has not successfully completed all first year degree or diploma requirements within two years
12.2.2 enrolled on less than a full-time basis, but has not successfully completed those units the Faculty requires him or her to complete in the first year of his or her approved program of study within two years
12.2.3 enrolled following exclusion from another Faculty or degree or diploma in the University or in another tertiary institution but has not successfully completed those units the Faculty requires him or her to complete in the first year.
12.3 The Faculty may require a student to show good cause why it should allow the student to re-enrol in a unit of study that the student has failed or discontinued with failure more than once.
12.4 If the Faculty permits a student whose progress it considers unsatisfactory to re-enrol, the Faculty may require the student to complete specified units of study within a specified time.
12.4.1 If the student does not satisfy this requirement the Faculty may again call upon the student to show good cause why the Faculty should allow him or her to re-enrol.

13. Satisfactory progress

13.1 To satisfy the academic requirement for a University award, students must obtain a passing grade in all units of study in their courses.
13.2 Students must repeat failed units of study or their equivalent at the first opportunity and will be permitted to progress to the next semester in addition to repeating failed units of study, providing course requirements, including any prerequisites, corequisites and attendance requirements, can be met.
13.3 Detailed information about progression and show cause was set out in the Faculty of Health Sciences Handbook.

14. Time limit

14.1 A candidate for the degree may proceed only on a full-time basis.
14.2 All candidates must complete the requirements for the degree within six calendar years of first enrolment.

15. Assessment policy

15.1 Assessment will be carried out in accordance with the *University of Sydney (Coursework) Rule 2000 (as amended)* and the general Resolutions and relating policy of the Faculty of Health Sciences.

16. Credit transfer policy

16.1 The Dean may grant a student credit for units of study completed, or non-credentialed learning or experience gained, other than as part of the program in which he or she has

enrolled, if the units of study or learning or experience are equivalent in content, workload and academic standard to units in the relevant *Table of units of study*.

16.2 The credit may be based on units of study completed towards an award course or as a non-award student, or on non-credentialed learning or experience.

16.3 A student seeking credit for units of study completed at the University of Sydney is to apply on the form provided by the Faculty.

16.4 A student seeking credit for units of study completed other than at the University of Sydney is to:

16.4.1 apply on the form provided by the Faculty

16.4.2 supply documentary evidence of the unit of study description and the assessment result, and

16.4.3 be available for discussion with appropriate Faculty staff.

16.5 A student seeking credit on the basis of non-credentialed learning or experience is to:

16.5.1 apply on the form provided by the Faculty, and

16.5.2 be available for assessment by the appropriate unit of study coordinator.

16.6 Credit is not to be granted for units of study completed with the grade of 'Terminating Pass' or 'Conceded Pass', or equivalent.

16.7 For each application for credit, the Dean is to determine, as necessary:

16.7.1 the method for demonstrating the achievement of the equivalent academic standard for applications based on non-credentialed learning or experience;

16.7.2 the units of study for which credit is to be granted;

16.7.3 the credit point value of any credit granted for units of study not listed in the relevant *Table of units of study*;

16.7.4 the maximum duration of the student's candidature for the degree, proportionate to the amount of credit granted;

16.7.5 the credit point value of credit to be granted to a student who wishes to undertake a joint degree, overseas study, or a specialisation of professional value.

.

Master of Health Sciences
Graduate Diploma in Health Sciences
Graduate Certificate in Health Sciences

Course rules

Master of Health Sciences

1. Admission

1.1 Applicants for admission as candidates for the Master of Health Sciences shall possess:

1.1.1 a bachelor's degree in health science with satisfactory performance; or

1.1.2 a bachelor's degree in social, welfare or biological sciences, with satisfactory performance; or

1.1.3 a bachelor's degree in a health profession with satisfactory performance; or

1.1.4 other general and professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies and satisfy such additional requirements for admission to the program, as may be prescribed by the Faculty.

1.2 Articulation into the Master of Health Sciences honours degree is contingent upon the student achieving an overall credit average and distinction in at least two units of study in the Master of Health Sciences pass degree.

2. Units of study

2.1 A student who is a candidate for the pass degree is to complete all core and elective units of study for the pass degree, as set out in the chapter of the Faculty of Health Sciences handbook relating to the degree.

2.2 A student who is a candidate for the honours degree is to:

2.2.1 meet the requirements for admission to the honours degree; and

2.2.2 complete all core and elective units of study for the honours degree, as set out in the chapter of the Faculty of Health Sciences handbook relating to the degree.

2.3 Units of study may specify assumed knowledge or prerequisite or corequisite units of study.

2.3.1 The Dean may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

3. Requirements for the Master of Health Sciences

3.1 To qualify for the award of the Master of Health Sciences, a candidate shall complete successfully:

3.1.1 48 credit points units of study including:

3.1.1.1 at least 12 credit points of core units; and

3.1.1.2 36 credit points of elective units of study; or

3.1.1.3 36 credit points of specialist stream units of study as prescribed by the requirements relevant to that stream.

3.2 A student who completes 36 credit points of units of study can choose to exit from the master's degree, and qualify for the award of the Graduate Diploma in Health Sciences.

4. Combined degrees and specially designated streams

4.1 The degree may be taken in the following specialist stream of study, which will be specified on the testamur:

4.1.1 Gerontology

4.1.2 Indigenous Community Health

4.1.3 Occupational Therapy

4.1.4 Speech Pathology

5. Requirements for honours degrees

5.1 To qualify for the award of the Master of Health Sciences honours degree, a candidate shall complete successfully

5.1.1 60 credit points units of study including:

5.1.1.1 48 credit points units of study with a 65 percent pass or better in all units of study, including a 75 percent pass or better in at least two units of study, and as specified under sections 3.1.1, 3.1.1.1, 3.1.1.2 and 3.1.1.3; and

5.1.1.2 an additional 12 credit points units of study in the form of a 'dissertation'.

6. Award of the Master of Health Sciences

6.1 The Master of Health Sciences will be awarded in two grades, namely pass and honours.

6.1.1 There shall be one level of honours award.

Graduate Diploma in Health Sciences (Exit only)

1. Units of study

1.1 A student who is a candidate for Graduate Diploma in Health Sciences is to complete all core and elective units of study, as set out in the chapter of the Faculty of Health Sciences handbook relating to the course.

1.2 Units of study may specify assumed knowledge or prerequisite or corequisite units of study.

1.2.1 The Dean may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

2. Requirements for the Graduate Diploma in Health Sciences

2.1 To qualify for the award of the Graduate Diploma in Health Sciences, a candidate shall complete successfully:

2.1.1 36 credit points units of study including:

2.1.1.1 at least 12 credit points of core units; and

2.1.1.2 24 credit points of elective units of study; or

2.1.1.3 24 credit points of specialist stream units of study as prescribed by the requirements relevant to that stream.

3. Combined degrees and specially designated streams

3.1 The Graduate Diploma in Health Sciences may be taken in the following specialist stream of study, which will be specified on the testamur:

3.1.1 Gerontology

3.1.2 Indigenous Community Health

3.1.3 Occupational Therapy

3.1.4 Orthoptics

3.1.5 Speech Pathology

4. Award of the Graduate Diploma in Health Sciences

4.1 The Graduate Diploma in Health Sciences will be awarded in one grade only, namely pass.

Graduate Certificate in Health Sciences

1. Admission

1.1 Applicants for admission as candidates for the Graduate Certificate in Health Sciences shall possess:

1.1.1 a bachelor's degree in health science with satisfactory performance, or;
1.1.2 a bachelor's degree in social, welfare or biological sciences, with satisfactory performance; or
1.1.3 a bachelor's degree in a health profession with satisfactory performance, or;
1.1.4 other general and professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies and satisfy such additional requirements for admission to the program, as may be prescribed by the Faculty.

2. **Units of study**

2.1 A student who is a candidate for Graduate Certificate in Health Sciences is to complete all core and elective units of study, as set out in the chapter of the Faculty of Health Sciences handbook relating to the course.
2.2 Units of study may specify assumed knowledge or prerequisite or corequisite units of study.
2.2.1 The Dean may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

3. **Requirements for the Graduate Certificate in Health Sciences**

3.1 To qualify for the award of the Graduate Certificate in Health Sciences, a candidate shall complete successfully:
3.1.1 24 credit points units of study including:
3.1.1.1 at least 12 credit points of core units; and
3.1.1.2 12 credit points of elective units of study; or
3.1.1.3 12 credit points of specialist stream units of study as prescribed by the requirements relevant to that stream.

4. **Combined degrees and specially designated streams**

4.1 The Graduate Certificate in Health Sciences may be taken in the following specialist stream of study, which will be specified on the testamur:
4.1.1 Gerontology
4.1.2 Indigenous Community Health
4.1.3 Occupational Therapy
4.1.4 Orthoptics
4.1.5 Speech Pathology

5. **Award of the Graduate Certificate in Health Sciences**

5.1 The Graduate Certificate in Health Sciences will be awarded in one grade only, namely pass.

Faculty rules

1. **Details of units of study**

1.1 Details of units of study that may be taken for the degree are set out in the entry for the degree in the Faculty of Health Sciences Handbook.

2. **Enrolment in more or less than minimum load**

2.1 Students who have a shown significant academic ability may, at the discretion of the Dean, be allowed to undertake more than the prescribed 24 credit points per semester.
2.2 Except with the permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.
2.3 Students who can demonstrate good reason as to why they should be allowed to undertake less than 12 credit points in any one semester may, at the discretion of the Dean, be permitted to do so.

3. Cross-institutional study

3.1 Master of Health Sciences
3.1.1 The credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 24 credit points.
3.1.2 The credit granted on the basis of work completed at another institution other than a University may not exceed 16 credit points.

3.2 **Graduate Diploma in Health Sciences**

3.2.1 The credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 18 credit points.
3.2.2 The credit granted on the basis of work completed at another institution other than a University may not exceed 12 credit points.

3.3 **Graduate Certificate in Health Sciences**

3.3.1 The credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 12 credit points.
3.3.2 The credit granted on the basis of work completed at another institution other than a University may not exceed 8 credit points.

4. **Restrictions on enrolment**

4.1 In considering an application for admission to candidature the Faculty will select in preference applicants who are most meritorious in terms of the admission criteria.
4.2 The enrolment of candidates in units of study shall be limited by the exigencies of the timetable.
4.3 The applicant must demonstrate, to the satisfaction of the Faculty, that during the candidature the student will be able to complete clinical and professional experience required for the course.

5. **Discontinuation of enrolment**

5.1 A student who wishes to suspend or discontinue his or her candidature is to apply to do so in accordance with the procedures set out in the Faculty of Health Sciences Handbook.

6. **Suspension of candidature**

6.1 Suspension of candidature is only applicable in cases of hardship or activities on the part of the student that are of national or state importance/are of a significant nature.
6.2 Examples of hardship may be illness or financial difficulties. Activities of a significant nature may be the inclusion of the student on a national sporting team, orchestra, etc that requires him/her to travel extensively for a specific period of time.
6.3 The granting of a suspension of candidature is at the discretion of the Dean.
6.4 Suspension of candidature will be for a minimum of one semester and a maximum of two semesters and may be granted only once during the degree.
6.5 In cases where a suspension of candidature is not granted, students may be required to discontinue their studies and follow the procedures for re-enrolment after an absence.

7. **Re-enrolment after an absence**

7.1 A student returning after an approved period of suspension may re-enrol in accordance with the current procedures for continuing students.
7.2 A student who has discontinued his or her candidature or whose candidature has lapsed, is to reapply for admission to candidature. Such an application must be lodged by the advertised closing date in accordance with the usual procedures for the course and will be considered with all other applications received that year for that course.

8. **Satisfactory progress**

8.1 To satisfy the academic requirement for a University award, students must obtain a passing grade in all units of study in their courses.
8.2 Students must repeat failed units of study or their equivalent at the first opportunity and will be permitted to progress to the next semester in addition to repeating failed units of study, providing course requirements, including any prerequisites, corequisites and attendance requirements, can be met.
8.3 The Faculty of Health Sciences' 'Removal or Restriction of Students on Clinical Education of Fieldwork Placements' policy may apply where a candidate is deemed to be unsatisfactory at any time during a clinical or professional placements.
8.4 Detailed information about progression and show cause was set out in the Faculty of Health Sciences Handbook.

9. **Time limit**

9.1 A candidate for the Master of Health Sciences may proceed on a full-time or part-time basis.
9.1.1 A full-time student shall complete the requirements for the pass degree no later than at the end of the second semester of candidature.
9.1.2 A full-time student shall complete the requirements for the honours degree no later than at the end of the first semester of honours candidature.
9.1.3 A part-time student shall complete the requirements for the pass degree no later than at the end of the fourth semester of candidature.
9.1.4 A part-time student shall complete the requirements for the honours degree no later than at the end of the second semester of honours candidature.

9.1.5 All students must complete the requirements for the degree within four calendar years of first enrolment.
9.2 A candidate for the Diploma in Health Sciences may proceed on a full-time or part-time basis.
9.2.1 A full-time student shall complete the requirements for the Diploma in Health Sciences no later than at the end of nine months of candidature.
9.2.2 A part-time student shall complete the requirements for the Diploma in Health Sciences no later than at the end of the third semester of candidature.
9.2.3 All students must complete the requirements for the Diploma in Health Sciences within three calendar years of first enrolment.
9.3 A candidate for the Certificate in Health Sciences may proceed on a full-time or part-time basis.
9.3.1 A full-time student shall complete the requirements for the Certificate in Health Sciences no later than at the end of the first semester of candidature.
9.3.2 A part-time student shall complete the requirements for the Certificate in Health Sciences no later than at the end of the second semester of candidature.
9.3.3 All students must complete the requirements for the Certificate in Health Sciences within two calendar years of first enrolment.

10. **Credit Transfer Policy**

10.1 *Master of Health Sciences*

10.1.1 The credit granted on the basis of work completed or prior learning at another course at this University or another university may not exceed 24 credit points.
10.1.2 The credit granted on the basis of work completed in the Graduate Certificate in Health Sciences of this University which articulates with this degree may not exceed 24 credit points.
10.1.3 The credit granted on the basis of work completed in the Graduate Diploma in Health Sciences of this University which articulates with this degree may not exceed 36 credit points.
10.1.4 The credit granted on the basis of work completed at an institution other than a university may not exceed 16 credit points.
10.1.5 Credit will not be granted for any units of study which were completed more than five years before admission or re-admission to candidature.

10.2 *Graduate Diploma in Health Sciences*

10.2.1 The credit granted on the basis of work completed or prior learning at another course at this University or another university may not exceed 18 credit points.
10.2.2 The credit granted on the basis of work completed in the Graduate Certificate in Health Sciences of this University which articulates with this graduate diploma may not exceed 24 credit points.
10.2.3 The credit granted on the basis of work completed at an institution other than a university may not exceed 12 credit points.
10.2.4 Credit will not be granted for any units of study which were completed more than five years before admission or re-admission to candidature.

10.3 *Graduate Certificate in Health Sciences*

10.3.1 The credit granted on the basis of work completed or prior learning at another course at this University or another university may not exceed 12 credit points.
10.3.2 The credit granted on the basis of work completed at an institution other than a university may not exceed 8 credit points.
10.3.3 Credit will not be granted for any units of study which were completed more than five years before admission or re-admission to candidature.

Master of Exercise Physiology

Course rules

1. Admission

1.1 Applicants for admission as candidates for the Master of Exercise Physiology shall possess:
1.1.1 an award of Bachelor of Applied Science (Exercise and Sport Science) from The University of Sydney or the University of Western Sydney; or
1.1.2 an award of Bachelor of Science (Health and Sports Science) from the University of NSW; or
1.1.3 an award of Bachelor of Exercise Science from the University of Wollongong, Charles Sturt University or the Australian Catholic University; or
1.1.4 an award of Bachelor of Exercise Science and Rehabilitation from the University of Wollongong; or
1.1.5 an award of Bachelor of Sport and Exercise Science from Southern Cross University; or
1.1.6 an award of Bachelor of Exercise Science and Nutrition (majored in Exercise Science) from Southern Cross University; or
1.1.7 an award of Bachelor of Exercise and Sport Science from the University of Newcastle; or
1.1.8 such studies from a University degree as are deemed to be equivalent to 1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, and 1.1.7.

2. Units of study

2.1 A student who is a candidate for the pass degree is to complete all core and elective units of study for the pass degree as shown in the Table of Units of Study, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.
2.2 A student who is a candidate for the honours degree is to:
2.2.1 meet the requirements for admission to the honours degree; and
2.2.2 complete all core and elective units of study for the honours degree as shown in the Table of Units of Study, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.

3. Requirements for the Master of Exercise Physiology

3.1 To qualify for the award of the pass degree of Master of Exercise Physiology, a candidate shall successfully complete a minimum of 96 credit points
3.2 The requirements of the award must be completed within a maximum of four years.
3.3 The Faculty of Health Sciences' "Removal or Restriction of Students on Clinical Education or Fieldwork Placements" policy may apply where a candidate is deemed to be unsatisfactory at any time during a fieldwork placement.

4. Requirements for honours degrees

4.1 To qualify for the award of Honours for a degree of Master of Exercise Physiology, a candidate shall successfully complete a minimum of 120 credit points, including;
4.1.1 at least 96 credit points for core units of study in the credit degree;
4.1.2 at least 24 credit points for research dissertation units of study; and

5. Award of Master of Exercise Physiology

5.1 The degree shall be awarded in two grades, namely pass and honours
5.1.1 There shall be one level of honours award.

Faculty rules

6. Details of units of study

6.1 Details of units of study are set out in the entry for the degree in the Faculty of Health Sciences Handbook.

7. Enrolment in more/less than the minimum load

7.1 Candidates who have a shown significant academic ability may, at the discretion of the Dean, be allowed to undertake more than the prescribed 24 credit points per semester.
7.2 Candidates who can demonstrate good reason as to why they should be allowed to undertake less than 12 credit points in any one semester may, at the discretion of the Dean, be permitted to do so.

8. Cross institutional study

8.1 Credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 24 credit points.

9. Restrictions on enrolment

9.1 In considering an application for admission to candidature the Faculty will select in preference applicants who are most meritorious in terms of the admission criteria.
9.2 The enrolment of candidates in units of study shall be limited by the exigencies of the timetable.
9.3 The applicant must demonstrate, to the satisfaction of the Faculty, that during the candidature the student will be able to complete field experience required for the course.

9.4 Except with the permission of the Dean, a candidate may not enrol in units of study with a total value 30 credit points or more in any one semester.

10. Discontinuation of enrolment

10.1 A candidate who wishes to suspend or discontinue his or her candidature must apply to do so in accordance with the procedures set out in the Faculty of Health Sciences Handbook.

11. Suspension of candidature

11.1 A candidate who wishes to suspend their candidature must complete an 'Application for suspension of candidature' form.

11.2 The application must be received by the Faculty prior to the commencement of the relevant semester.

11.3 Suspension of candidature will be for a minimum of one semester and a maximum of two semesters and may be granted only once for a total of two semesters during the degree.

11.4 The granting of a suspension of candidature is at the discretion of the Dean.

11.5 Students must submit 'Recommencement of Candidature' form prior to completion of approved period of leave.

11.6 If a suspension of candidature is not granted, students may be required to discontinue their studies and follow the procedures for re-admission.

12. Re-enrolment after an absence

12.1 The Faculty of Health Sciences may require a student to show good cause why it should allow the student to re-enrol in a degree, diploma, graduate diploma or graduate certificate in the Faculty if it considers that the student has not made satisfactory progress towards fulfilling the requirements for the award.

12.2 It is not possible to define satisfactory progress in all cases in advance, but the Faculty considers that a student's progress is unsatisfactory if the student has:

12.2.1 enrolled on a full-time basis but has not successfully completed all first year requirements within two years;

12.2.2 enrolled on less than a full-time basis, but has not successfully completed those units of study that the Faculty requires him or her to complete in the first year of his or her approved program of study within two years;

12.2.3 enrolled following exclusion from another Faculty or degree or diploma in the University or in another tertiary institution but has not successfully completed those subjects that the Faculty requires him or her to complete in the first year.

12.3 The Faculty may require a student to show good cause why it should allow the student to re-enrol in a unit of study that the student has failed or discontinued with failure more than once.

12.4 If the Faculty permits a student whose progress it considers unsatisfactory to re-enrol, the Faculty may require the student to complete specified units of study within a specified time. If the student does not satisfy this requirement the Faculty may again call upon the student to show good cause why the Faculty should allow him or her to re-enrol.

13. Satisfactory progress

13.1 To satisfy the academic requirement for a University award, students must obtain a passing grade in all units of study in their courses.

13.2 Students must repeat failed units of study or their equivalent at the first opportunity and will be permitted to progress to the next semester in addition to repeating failed units of study, providing course requirements, including any prerequisites, corequisites and attendance requirements, can be met.

13.3 Detailed information about progression and show cause is set out in the Faculty of Health Sciences Handbook.

14. Time limit

14.1 A candidate for the degree may proceed on a full-time basis.

14.2 All candidates must complete the requirements for the degree no later than the end of the eighth semester of candidature.

15. Assessment policy

15.1 Assessment will be carried out in accordance with the University of Sydney (Coursework) Rule 2000 (as amended) and the general Resolutions and relating policy of the Faculty of Health Sciences.

16. Credit transfer policy

16.1 A candidate may receive credit transfer for core units of study only;

16.2 The Dean may grant a student credit for units of study completed, or non-credentialed learning or experience gained, other than as part of the program in which he or she has enrolled, if the units of study or learning or experience are equivalent in content, workload and academic standard to units in the relevant Table of Units of Study.

16.3 The credit may be based on units of study completed towards an award course or as a non-award student, or on non-credentialed learning or experience.

16.4 A student seeking credit for units of study completed at the University of Sydney is to apply on the form provided by the Faculty.

16.5 A student seeking credit for units of study completed other than at the University of Sydney is to:

16.5.1 apply on the form provided by the Faculty;

16.5.2 supply documentary evidence of the unit of study description and the assessment result, and

16.5.3 be available for discussion with appropriate Faculty staff.

16.6 A student seeking credit on the basis of non-credentialed learning or experience is to;

16.6.1 apply on the form provided by the Faculty, and

16.6.2 be available for assessment by the appropriate unit of study coordinator.

16.7 Credit is not to be granted for units of study completed with the grade of 'Terminating Pass' or 'Conceded Pass', or equivalent.

16.8 For each application for credit, the Dean is to determine, as necessary:

16.8.1 the method for demonstrating the achievement of the equivalent academic standard for applications based on non-credentialed learning or experience;

16.8.2 the units of study for which credit is to be granted;

16.8.3 the credit point value of any credit granted for units of study not listed in the relevant Table of Units of Study;

16.8.4 the maximum duration of the student's candidature for the degree, proportionate to the amount of credit granted; and

16.8.5 the credit point value of credit to be granted to a student who wishes to undertake a joint degree, overseas study, or a specialisation of professional value.

Policies

1. Granting of credit towards the coursework awards in the Faculty of Health Sciences

1.1 1 The Dean may grant a student credit for units of study completed, or non-credentialled learning or experience gained, other than as part of the program in which he or she has enrolled, if the units of study or learning or experience are equivalent in content, workload and academic standard to units in the relevant *Table of units of study*.

1.2 The credit may be based on units of study completed towards an award course or as a non-award student, or on non-credentialed learning or experience.

1.3 A student seeking credit for units of study completed at the University of Sydney is to apply on the form provided by the Faculty.

1.4 A student seeking credit for units of study completed other than at the University of Sydney is to:

1.4.1 apply on the form provided by the Faculty

1.4.2 supply documentary evidence of the unit of study description and the assessment result, and

1.4.3 be available for discussion with appropriate Faculty staff.

1.5 A student seeking credit on the basis of non-credentialed learning or experience is to:

1.6 Credit is not to be granted for units of study completed with the grade of 'Terminating Pass' or 'Conceded Pass', or equivalent.

1.7 For each application for credit, the Dean is to determine, as necessary:

1.7.1 the method for demonstrating the achievement of the equivalent academic standard for applications based on non-credentialled learning or experience;

1.7.2 the units of study for which credit is to be granted;

1.7.3 the credit point value of any credit granted for units of study not listed in the relevant *Table of units of study*;

1.7.4 the maximum duration of the student's candidature for the degree, proportionate to the amount of credit granted;

1.7.5 the credit point value of credit to be granted to a student who wishes to undertake a joint degree, overseas study, or a specialisation of professional value.

2. Discontinuation or suspension of enrolment

2.1 A student who wishes to suspend or discontinue his or her candidature for an undergraduate degree or a diploma is to apply to do so in accordance with the procedures set out in the Faculty of Health Sciences Handbook.

3. Re-enrolment after discontinuation or lapse of candidature

3.1 Except with the approval of the Dean, a student who has discontinued his or her candidature for a degree, diploma, graduate diploma or graduate certificate, or whose candidature for a degree, diploma, graduate diploma or graduate certificate has lapsed, is to reapply for admission to candidature.

4. Restriction on re-enrolment

4.1 The Faculty of Health Sciences may require a student to show good cause why it should allow the student to re-enrol in a degree, diploma, graduate diploma or graduate certificate in the Faculty if it considers that the student has not made satisfactory progress towards fulfilling the requirements for that award.

4.2 It is not possible to define satisfactory progress in all cases in advance, but the Faculty considers that a student's progress is unsatisfactory if the student has:

4.2.1 enrolled on a full-time basis but has not successfully completed all first year degree or diploma requirements within two years;

4.2.2 enrolled on less than a full-time basis, but has not successfully completed those units the Faculty requires him or her to complete in the first year of his or her approved program of study within two years;

4.2.3 enrolled following exclusion from another Faculty or degree or diploma in the University or in another tertiary institution but has not successfully completed those units the Faculty requires him or her to complete in the first year.

4.3 The Faculty may require a student to show good cause why it should allow the student to re-enrol in a unit of study that the student has failed or discontinued with failure more than once.

4.4 If the Faculty permits a student whose progress it considers unsatisfactory to re-enrol, the Faculty may require the student to complete specified units of study within a specified time. If the student does not satisfy this requirement the Faculty may again call upon the student to show good cause why the Faculty should allow him or her to re-enrol.

The Sydney Summer and Winter Schools

2009	Dates
Summer School	December 2008 to February 2009
Winter School	29 June to 25 July 2009

The Summer School

The Summer School is a full fee-paying, intensive program offering high quality undergraduate and postgraduate subjects from nine faculties. These subjects are the same as those offered in Semesters One and Two, but are taught as an intensive program over summer.

Some classes commence in December; others commence in the first week of January; others in the third week and continue into February (including the exam week). Some subjects run for six weeks; others are shorter. Students can take a maximum of two subjects.

The Winter School

The Winter School is a smaller, more intensive program that runs for four weeks, including the exam week, during July.

Advantages

Attending classes at Sydney University during Summer and Winter School offers many advantages. You can:

- accelerate your academic career and finish your degree sooner
- devote your full attention to a single area of study
- take subjects that are outside your normal degree
- reduce your workload throughout the rest of the year
- repeat subjects in which you may have been unsuccessful
- combine study with a field trip in Australia or a tour overseas.

High school graduates can sample a university subject, and get an early start on their degree.

How to apply

Applications are only accepted online at www.summer.usyd.edu.au. Most subjects have limited places and fill very quickly. All places are filled strictly on a first-in, first-served basis so it is recommended that you apply early.

Applications open on:

- 29 September 2008 (Summer School)
- 25 May 2009 (Winter School)

Applications close:
28 November 2008 (Session 1, Summer December)
12 December 2008 (Session 2, Summer Main)
9 January 2009 (Session 3, Summer Late)
12 June 2009 (Winter School)

Late application fees may apply after these dates.

Census dates

Students can withdraw from their subject without academic penalty and receive a full refund until the census date (based on when the class commences). However, a late withdrawal fee may apply.

There is one census date for the Winter School, and three for the Summer School, as classes start between December and February.

ID	Session name	Classes begin	Census date
42*	Summer December	8 December 2008	2 January 2009
43	Summer Main	5 January 2009	9 January 2009
44**	Summer Late	19 January 2009	5 February 2009
11	Winter School	29 June 2009	3 July 2009

** 42 Summer December: Allows for a unit to run for 3-9 weeks, provided that the 20 per cent criterion is met.*
*** 44 Summer Late: Last exam must be held by 1 March.*

Withdrawal and refund policy

- For Summer School classes starting in **December 2008**, students who withdraw from a subject between 29 November 2008 and the relevant census date will receive a refund of tuition fees but will be liable for a $500 late withdrawal fee.
- For Summer School classes starting in **January 2009**, students who withdraw from a subject between 13 December 2008 and the relevant census date will receive a refund of tuition fees but will be liable for a $500 late withdrawal fee.
- For Winter School classes starting on **29 June 2009**, students who withdraw from a subject between 27 June 2009 and the relevant census date will receive a refund of their tuition fees but will be liable for a $500 late fee withdrawal.

Students may withdraw from their Summer or Winter School subject(s) up until 4pm on the last day of the teaching period for that particular subject. However, there may be an academic penalty (please refer to our website).The teaching period for purposes of this policy is defined in hours of published classes from the first day through to the last day of classes, excluding any final examination or assessment.

Students who withdraw from a subject after 4pm on the relevant census date will receive no refund of their tuition fee.

Transferring between subjects

Students on a waiting list can transfer between subjects at any time prior to the commencement of class. For all other students, transfers should be completed a week before classes commence. **No** transfers will be allowed after commencement of the class.

Summer and Winter School scholarships

Merit scholarships

Three undergraduate merit scholarships and one postgraduate merit scholarship are available. These are automatically awarded to the top four students in their respective faculty (Arts, Science, or Economics and Business) for their Summer School subject.

Educational/Financial Disadvantage scholarships

Full Summer School scholarships are available to local undergraduate students who have a good academic record. To be eligible for consideration you will need to provide evidence of long-term and serious educational disadvantage based on two or more criteria, one of which must be financial hardship. Please check our website for further details. Scholarship applications close on 31 October 2008 (Summer School), and 10 June 2009 (Winter School).

For more information

Website: www.summer.usyd.edu.au
Email: info@summer.usyd.edu.au
Phone: +61 2 9351 5542 Fax: +61 2 9351 5888

General University information

For further information or advice, please call our toll-free helpline on **1300 362 006**.

This section includes information on the following:

Academic progression
Accommodation Service
Admissions Office
Applying for a course
Attendance
Bus service
Campuses
Careers Centre
Centre for Continuing Education (CCE)
Centre for English Teaching (CET)
Child Care Information Office
The Co-op Bookshop
Counselling Service
Disability Services
Employment opportunities for students
Enrolment
Environmental Policy
Equity Support Services
Examinations
Fees
Financial Assistance Office
Freedom of Information
Graduations Office
Grievances and appeals
HECS and Fees Office
Information and Communications Technology
International Office
International Student Support Unit (ISSU)
Koori Centre and Yooroang Garang
Learning Centre
Library
Mathematics Learning Centre
Museums and galleries
MyUni Student Portal
Orientation and O-Week
Part-time, full-time attendance
Policy online
Printing Service (UPS)
Privacy
Research Office
Scholarships for undergraduates
Security Service
Service Management, Information and Communications Technology (ICT)
Staff and Student Equal Opportunity Unit (SSEOU)
Student Administration and Support
Student Centre
Student identity cards
Sydney Summer School
Sydney Student Development
Sydney Welcome Orientation and Transition Program (SWOT)
The University of Sydney Foundation Program (USFP)
Timetabling Unit
University Health Service

Academic progression

The University requires students to maintain a minimum rate of progression throughout their candidature. Any student who does not satisfy progression requirements for their degree will be placed on a monitored academic progression program. This program requires students to consult an academic adviser in their faculty, to attend a support services information session, and fill in a survey. Students will be advised of the requirements of the program by their faculty.

Students who do not sustain the minimum academic progression requirements may be asked to show cause as to why they should not be excluded from their degree. For further information, please see www.usyd.edu.au/secretariat/students.

Student Affairs, Registrar's Division
Quadrangle, A14
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3183
Fax: +61 2 9351 3572
Email: appeals@secretariat.usyd.edu.au

Accommodation Service

This service maintains an extensive database of off-campus accommodation, including shared, full-board and rental properties. Current students can access the online database through the accommodation website or MyUni student portal (myuni.usyd.edu.au).

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3312
Fax: +61 2 9351 8262
Email: accomm@stuserv.usyd.edu.au
Website: www.usyd.edu.au/stuserv/accommodation

Admissions Office

The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admission Centre (UAC). They can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty.

- If you are an Australian citizen, or permanent resident with qualifications from a non-Australian institution, you can get more information by phoning +61 2 9351 4118.
- For enquiries regarding special admissions (including mature-age entry), phone +61 2 9351 3615.
- Applicants without Australian citizenship or permanent residency should contact the International Office.

Admissions Office, Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4117 or +61 2 9351 4118
Fax: +61 2 9351 4869
Email: admissions@records.usyd.edu.au
Website: www.usyd.edu.au/studentcentre/admissions

Applying for a course

Domestic applicants for undergraduate courses and programs of study

For the purpose of admission and enrolment, 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. If you are in this group and wish to apply for admission to an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC).

The deadline for applications is the last working day in September in the year before enrolment. For more information see www.uac.edu.au.

Some faculties have additional application procedures, such as the Conservatorium of Music, Sydney College of the Arts and Pharmacy.

Domestic applicants for postgraduate courses and programs of study

For the purpose of admission and enrolment, 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. Application is direct to the faculty which offers the course that you are interested in. Application forms for postgraduate coursework, postgraduate research and the master's qualifying or preliminary program and for non-award postgraduate study can be found at www.usyd.edu.au/studentcentre.

Note: some faculties use their own specially tailored application forms for admission into their courses. Check with the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

'International applicants' refers to all applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand. In the majority of cases international applicants apply for admission through the University's International Office (IO). All the information international applicants need, including application forms, is available from the IO website (www.usyd.edu.au/internationaloffice).

Attendance

In cases of illness or misadventure, students should complete an *Application for Special Consideration* form, accompanied by relevant documentation, such as medical certificates, and submit it to the relevant faculty office.

The forms are available at faculty offices, the Student Centre, and online at www.usyd.edu.au/studentcentre/forms.shtml.

Exemption from re-attendance

Although you may have attended certain lectures or practical classes before, exemption from re-attendance is granted only in exceptional circumstances. In any case, you are required to enrol in all units of study in which you propose to take examinations, whether or not you have been granted leave of absence (or exemption) from re-attendance at lectures and/or practical work. To obtain exemption from re-attendance, apply at your faculty office.

Bus service

A free bus service operates to, from and around Camperdown and Darlington campuses each weekday that Fisher Library is open (except for public holidays). The service commences at 4.15pm and concludes at Fisher Library closing time.

Two buses operate along the route, starting at Fisher Library and finishing at Redfern station. The buses leave at approximately 10 minute intervals during semester and in semester breaks.

The bus timetable/route guide can be collected from Security Administration or Campus Infrastructure Services reception.

Floor 2, Services Building G12
Corner of Codrington and Abercrombie Streets
Darlington Campus
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4753
Fax: +61 2 9351 5699
Website: www.security.usyd.edu.au

Campuses

The University has ten different teaching campuses, located throughout the Sydney area. For information on each campus, including maps, contact details and parking information, see www.usyd.edu.au/about/campus/pub/campus.shtml.

Campus	Faculties
Camperdown and Darlington campuses	Faculty of Arts Faculty of Architecture, Design and Planning Faculty of Agriculture, Food and Natural Resources Faculty of Economics and Business Faculty of Education and Social Work Faculty of Engineering and Information Technologies Faculty of Medicine Faculty of Pharmacy Faculty of Science Faculty of Veterinary Science The Sydney Summer School
Cumberland Campus	Faculty of Health Sciences
St James Campus	Faculty of Law
Mallett Street Campus	Faculty of Nursing and Midwifery The Centre for English Teaching The NHMRC Clinical Trials Centre
Sydney Conservatorium of Music	The Sydney Conservatorium of Music
Sydney College of the Arts	Sydney College of the Arts (SCA)
Camden Campus	Faculty of Veterinary Science Faculty of Agriculture, Food and Natural Resources
Surry Hills Campus	Faculty of Dentistry
Burren Street Campus	Institute of Transport and Logistics Studies

Careers Centre

The University's Careers Centre can provide you with assistance if you are not sure of your career path, and help you to find both casual and career-related employment.

The Careers Centre provides a range of free and accessible services for students, including:

- help in finding casual and part-time work
- finding career-related work experience and graduate employment
- an internet vacancy database
- individual careers advice and counselling, by appointment
- comprehensive library and online resources
- workshops in resume writing, interview skills, and job searching
- careers fairs, employer presentations and talks.

Careers Centre
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3481
Fax: +61 2 9351 5134
Email: careers.information@usyd.edu.au
Website: www.careers.usyd.edu.au

Centre for Continuing Education (CCE)

The CCE provides the community with the opportunity to engage with the University of Sydney, offering people access to the academic expertise of one of Australia's finest educational institutions.

As a community leader, the CCE provides lifelong learning opportunities for people at all stages of life who want to undertake a course in self-enrichment, engage in active retirement learning,

upgrade their professional skills and qualifications, or bridge a gap between previous study and univeristy. CCE offers short courses in all areas of the Humanities and Social Sciences, Languages, Science and Technology, Business and Management, and Continuing Professional Development.

160 Missenden Road
Newtown NSW 2042

Postal address:
Locked Bag 2020
Glebe NSW 2037

Phone: +61 2 9036 4789
Fax: +61 2 9036 4799
Email: cce.info@usyd.edu.au
Website: www.cce.usyd.edu.au

Centre for English Teaching (CET)

The CET offers English language and academic study skills programs to international students who need to develop their English language skills in order to meet academic entry requirements.

Wentworth Building, G01
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9036 7900
Fax: +61 2 9036 7910
Email: info@cet.usyd.edu.au
Website: www.usyd.edu.au/cet

Child Care Information Office

The Child Care Information Office has information for parents who are students and staff of the University, about child care centres, vacation and occasional care. For more details, see the child care website, via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Child Care Information Office
Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5667
Fax: +61 2 9351 7055
Email: childc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/childcare

The Co-op Bookshop

The Co-op Bookshop is a one-stop store for:

- textbooks
- general books
- reference books
- University of Sydney clothing and memorabilia
- DVDs
- flash drives
- software at academic prices

Take advantage of a lifetime of membership benefits. For a one-time joining fee of $20, you are entitled to great member pricing, promotional offers and much more.

The Co-op Bookshop
Sports and Aquatic Centre Building, G09
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3705
Fax: +61 2 9660 5256
Email: sydu@coop-bookshop.com.au
Website: www.coop-bookshop.com.au

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals, by providing short-term, problem-focused counselling to promote psychological wellbeing and help students develop effective and realistic coping strategies. International students can access counselling assistance through the International Student Support Unit (ISSU).

Each semester the Counselling Service runs a program of workshops which are designed to help students master essential study and life management skills. These are open to all local and international students. Phone to make an appointment. Daily walk-in appointments are also available between 11am and 3pm.

For details of workshops, activities and online resources, see the Counselling Service website via the MyUni portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2228
Fax: +61 2 9351 7055
Email: counsell@stuserv.usyd.edu.au
Website: www.usyd.edu.au/counsel

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: CS.Cumberland@stuserv.usyd.edu.au

Disability Services

Disability Services is the principal point of contact for advice on assistance available for students with disabilities. Students need to register to receive support and assistance. Disability Services works closely with academic and administrative staff to ensure that students receive reasonable accommodation in their areas of study.

Assistance includes note taking, interpreters, and negotiation with academic staff regarding assessment and course-requirement modifications where appropriate. For details on registering, including required documentation and online resources, see the Disability Services' website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 7040
Fax: +61 2 9351 3320
TTY: +61 2 9351 3412
Email: disserv@stuserv.usyd.edu.au
Website: www.usyd.edu.au/disability

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: DS.Cumberland@stuserv.usyd.edu.au

Employment opportunities for students

See 'Sydney Student Development'.

Enrolment

Domestic and international students entering their first year via UAC

Details of enrolment procedures will be sent to students with their UAC offer of enrolment. Enrolment takes place during the last week of January or in February for the later offer rounds.

Domestic and international students entering their first year via a direct offer from the University

Details of the enrolment procedures will be sent to students with their University offer of enrolment. Enrolment takes place during the first two weeks of February.

All continuing domestic and international students

A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for web-based pre-enrolment.

Environmental Policy

The University of Sydney's Environmental Policy promotes sustainable resource and product use and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University-wide Sustainable Campus Program. Enquiries can be directed to:

Manager, Campus Sustainability
Phone: +61 2 9036 5441
Email: sustainable@usyd.edu.au

Visit the website www.usyd.edu.au/sustainable to find out what the University is doing, and learn how you can get involved, make suggestions or receive the Sustainable Campus Newsletter.

Equity Support Services

Equity Support Services, located within Student Administration and Support, brings together a number of student support services that produce practical assistance and information to help students meet their academic and personal goals while at University.

Services include the Accommodation Service, Casual Employment Service, Child Care Information Office, Disability Services and the Financial Assistance Office.

More information is available through the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Examinations

Most examinations are facilitated primarily through the Examinations Office. However, some faculties arrange and conduct their own examinations.

Information and timetables on examinations can be located by searching the University's website. For more details, contact the Examinations Office.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4005 or +61 2 9351 4006
Fax: +61 2 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees

The Fees Office provides information on where and how to pay fees, and how to find out if payments have been received. The office can also provide information on obtaining a refund for fee payments. More details are available on the website (listed below).

Fees Office
Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5222
Fax: +61 2 9114 0556
Email: feespay@usyd.edu.au
Website: www.finance.usyd.edu.au/revenue_income/fees.shtml
Office hours: 9am to 4.30pm, Monday to Friday

Financial Assistance Office

The University of Sydney has a number of loan and bursary funds to assist students experiencing financial difficulties. Loan assistance is available for undergraduate and postgraduate students enrolled in degree and diploma courses at the University.

The assistance is not intended to provide the principle means of support but to help enrolled students in financial need with expenses such as housing bonds and rent, phone and electricity bills, medical expenses, and buying textbooks and course equipment.

Loans are interest-free and are usually repayable within one year. Bursaries may be awarded depending on financial need and academic merit and are usually only available to local full-time undergraduate students. Advertised bursaries, including first-year bursaries, are advertised through the MyUni student portal in January each year.

For details of types of assistance and online resources provided by the service see the Financial Assistance website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2416
Fax: +61 2 9351 7055
Email: fao@stuserv.usyd.edu.au
Website: www.usyd.edu.au/fin_assist

Freedom of Information

The University of Sydney falls within the jurisdiction of the *NSW Freedom of Information Act 1989*. The Act:

- requires information concerning documents held by the University to be made available to the public
- enables a member of the public to obtain access to documents held by the University; and
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect, out of date or misleading.

A 'member of the public' includes staff and students of the University.

It is a requirement of the Act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While an application may be made to access University documents, some may not be released in accordance with particular exemptions provided by the Act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its freedom of information activities on a regular basis and to produce two documents: a *Statement of Affairs* (annually) and a *Summary of Affairs* (every six months).

The *Statement of Affairs* contains information about the University, its structure, function and the kinds of documents held. The *Summary of Affairs* identifies the University's policy documents and provides information on how to make an application for access to University documents. More information and copies of the reports can be found at www.usyd.edu.au/arms/info_freedom.

Graduations Office

The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3199 or +61 2 9351 4009
Protocol enquiries: +61 2 9351 4612
Fax: +61 2 9351 5072

Grievances and appeals

You may consider that a decision affecting your candidature for a degree or other activities at the University has not taken into account all relevant matters. In some cases the by-laws or resolutions of the Senate provide for a right of appeal against particular decisions. For example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, the Student Representative Council, and on the Policy Online website (www.usyd.edu.au/policy (click on 'Study at the University', then 'Appeals' – see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Undergraduates

Students' Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9660 5222

Postgraduates

Sydney University Postgraduate Representative Association (SUPRA)
Corner of Raglan and Abercrombie Streets
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3115

HECS and Fees Office

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5659
Fax: +61 2 9036 6111
Email: hecs.fees@records.usyd.edu.au

Information and Communications Technology (ICT)

See 'Service Management, Information and Communications Technology'.

International Office

The International Office helps international students with application, admission and enrolment procedures. The International Office has units responsible for international marketing, government and student relations, international scholarships (including AusAID scholarships and administrative support for international financial aid programs), and compliance with government regulations relating to international students.

The Study Abroad and Student Exchange units assist both domestic and international students who wish to enrol for study abroad or exchange programs.

International Office

Services Building, G12
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: exchange@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit (ISSU)

The ISSU helps international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in an unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable.

For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv). International students also have access to all University student support services.

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/issu

Cumberland Campus

Ground Floor, A Block, Cumberland Campus, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: ISSU.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/issu

Koori Centre and Yooroang Garang

The Koori Centre and Yooroang Garang support Aboriginal and Torres Strait Islander people in all aspects of tertiary education at the University of Sydney. The Cadigal Special Entry Program assists Indigenous Australians to enter undergraduate study across all areas of the University.

As well as delivering block-mode courses for Indigenous Australian students, the Koori Centre teaches Indigenous Australian Studies in various faculties across mainstream courses. The Koori Centre also provides tutorial assistance, and student facilities including a computer lab, indigenous research library and study rooms for Indigenous Australian students at the University.

In particular, the Koori Centre aims to increase the successful participation of Indigenous Australians in undergraduate and postgraduate degrees, develop the teaching of Aboriginal studies, conduct research in the field of Aboriginal education, and establish working ties with schools and communities.

The Koori Centre works in close collaboration with Yooroang Garang, School of Indigenous Health Studies in the Faculty of Health Sciences at the Cumberland Campus. Yooroang Garang provides assistance, advice and academic support for Indigenous students in the faculty, as well as preparatory undergraduate and postgraduate courses.

Koori Centre
Ground Floor, Old Teachers College, A22
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2046 (general enquiries)
Toll-free within Australia: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Website: www.koori.usyd.edu.au

Yooroang Garang
T Block, Level 4, Cumberland Campus, C42
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 9393
Toll free: 1800 000 418
Fax: +61 2 9351 9400
Email: yginfo@fhs.usyd.edu.au
Website: www.yg.fhs.usyd.edu.au

Learning Centre

The Learning Centre helps students develop the generic learning and communication skills that are necessary for university study and beyond. The centre is committed to helping students achieve their academic potential during their undergraduate and postgraduate studies.

Learning Centre staff can be found at the Camperdown, Darlington and Cumberland campuses. The centre's program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, a faculty-based program and access to online and print-based learning resources.

For details of programs, activities and online resources available from the Learning Centre, see its website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3853
Fax: +61 2 9351 4865
Email: lc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/lc

Cumberland Campus
Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: LC.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/stuserv/learning_centre/cumberl.shtml

Library

The University of Sydney Library provides services via a network of 14 libraries on 10 campuses, and online at www.library.usyd.edu.au.

The location, opening hours and specific subject focus of each library is listed on the website. Over 5.5 million items are available via the library catalogue, including more than 67,000 online journals and 325,000 online books.

Enrolled students are entitled to borrow from any of the University libraries. Reading list books and articles are available via the reserve service either online or in print. Past examination papers are also available online.

Library facilities include individual and group study spaces, computers, printers, multimedia equipment, photocopiers and adaptive technologies. Refer to the 'Libraries' link on the University website to find out about services and facilities in specific libraries.

Library staff are available in every library to support students with their study and research. Faculty liaison librarians assist students to find great information on any topic and provide training in using a wide range of resources. For contact details of faculty liaison librarians, see www.library.usyd.edu.au/contacts/subjectcontacts.html. It is also possible to learn research and information skills online; see www.library.usyd.edu.au/skills.

Comments and suggestions about library services are welcome.

The University of Sydney Library, F03
Camperdown Campus
NSW 2006 Australia

Phone: +61 2 9351 2993
Website: www.library.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre helps undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first-level mathematics or statistics units at university. The centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The centre also provides ongoing support to eligible students during the year through individual assistance and small group tutorials.

For details of activities and online resources provided by the centre see the website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Level 4, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4061
Fax: +61 2 9351 5797
Email: mlc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/mlc

Museums and galleries

The University of Sydney has one of the largest and finest university collections of antiquities, art, ethnography and natural history in Australia. While these collections are used for teaching, they also provide an opportunity for the University to contribute to the cultural life of the country.

University Art Gallery

Founded in the 1860s, the University of Sydney Art Collection now holds more than 3000 paintings, sculptures and works on paper by Australian, Asian and European artists, as well as more than 700 works from the University Union Art Collection. The University Art Gallery showcases changing exhibitions of works from the collection as well as high-quality exhibitions of both contemporary and historical works.

War Memorial Arch
Quadrangle, A14
Camperdown Campus

Phone: +61 2 9351 6883
Fax: +61 2 9351 7785
Website: www.usyd.edu.au/museums

Macleay Museum

The Macleay Museum originated with the eighteenth century collection of insects owned by Alexander Macleay. The oldest of its kind in Australia, the museum today holds significant collections of ethnographic artefacts, scientific instruments, biological specimens and historic photographs. Changing exhibitions engage with the diversity of the collection.

Macleay Building, A12
Gosper Lane (off Science Road)
Camperdown Campus

Phone: +61 2 9036 5253
Fax: +61 2 9351 5646
Email: macleaymuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

Nicholson Museum

The Nicholson Museum contains the largest and most prestigious collection of antiquities in Australia. It is also the country's oldest university museum, and features works of ancient art and objects of daily life from Greece, Italy, Egypt, Cyprus the Near and Middle East, as well as Northern Europe. A regular changing schedule of exhibitions highlights various parts of the collection.

Quadrangle, A14
Camperdown Campus

Phone: +61 2 9351 2812
Fax: +61 2 9351 7305
Email: nicholsonmuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

The Tin Sheds Gallery

The Tin Sheds Gallery is part of the Art Workshop complex within the University of Sydney's Faculty of Architecture, Design and Planning. The gallery hosts exhibitions across a wide variety of contemporary visual arts practices from individuals and groups, as well as community projects and curated exhibitions.

Tin Sheds Gallery and Art Workshops
Faculty of Architecture
Wilkinson Building
148 City Road

Phone: +61 2 9351 3115
Fax: +61 2 9351 4184
Email: tinsheds@arch.usyd.edu.au
Website: www.arch.usyd.edu.au/art_workshop

MyUni Student Portal

The MyUni student portal (myuni.usyd.edu.au) is the starting point and 'one-stop' environment for students to access all their web-based University information and services.

MyUni automatically tailors what a student sees based on their login and offers students the option of further personalising content. Most importantly, MyUni allows students to complete tasks online that would previously have required attendance in person. The following are examples of MyUni services and information:

- support services relating to health, counselling, employment, child care, accommodation, and general wellbeing
- student administration systems for obtaining examination results, enrolment and variations, timetabling, email services and links to courses and units of study information
- links to the University's e-learning systems
- library services
- important messages and student alerts
- information and communications technology and support services
- information for local, Indigenous and international students
- campus maps, with descriptions of cultural, sporting and campus facilities.

Orientation and O-Week

Orientation

Transition to University involves both opportunities and challenges. A successful transition is important in developing a sense of belonging and better academic adjustment and success. The University seeks to facilitate students' successful transition through a wide range of programs and activities.

Orientation activities for both undergraduate and postgraduate students are scheduled at the beginning of each semester. Transition support continues throughout the academic year within faculties while student support services are available to assist students for the duration of their study.

For more information, see www.usyd.edu.au/orientation.

Undergraduate students

Sydney Welcome Orientation and Transition (SWOT) Program
In the week prior to Semester One, the SWOT program offers all commencing undergraduate students an opportunity to learn more about the University of Sydney.

During this week you can get to know the University, develop key skills for success, discover other key resources for getting the most out of university life and develop a sense of belonging. All students are welcome to attend activities which are based at the Camperdown and Darlington campuses. Faculties based on other campuses also provide orientation activities and programs.

SWOT 2009 will run from **25 to 27 February 2009**.
For more information, see www.swot.usyd.edu.au.

Postgraduate students

The University of Sydney Postgraduate Induction Program is a specialised program for postgraduate students organised by the Dean of Graduate Studies. See www.dogs.usyd.edu.au.

O-Week

O-Week is the orientation event at the beginning of Semester One. Organised by the University of Sydney Union (USU) and other student organisations, it runs in parallel with the SWOT program. O-Week provides an opportunity to learn about and participate in the many clubs and societies available at the University and the services and activities of the student organisations.

It's packed with fun activities and events, plus information to help you get acquainted with the University and grab hold of all of the opportunities this campus has to offer.

Rock, jazz, orchestral and choral concerts, plays, demonstrations, symposia on current affairs, reviews, competitions, sports, bus tours, games, special-interest meetings, guest speakers, debates, films, food and freebies are all organised for commencing students' participation and enjoyment. You need to know what's on and what's available in order to make the most out of your time here.

O-Week 2009 will run from **25 to 27 February 2009**.
Programs are available at www.usuonline.com.

Part-time, full-time attendance

Undergraduate students

Undergraduate students are usually considered full-time if they have a student load of at least 0.375 each semester. Anything under this amount is considered a part-time study load.

Note that some faculties have minimum study load requirements for satisfactory progress.

Postgraduate students (coursework)

Part-time or full-time status for postgraduate coursework students is determined by credit-point load. Enrolment in units of study which total at least 18 credit points in a semester is classed as full-time. Anything under this amount is a part-time study load.

Please note that classes for some coursework programs are held in the evenings (usually 6pm to 9pm).

Postgraduate students (research)

Full-time candidates for research degrees do not keep to the normal semester schedule. Instead they work continuously throughout the year with a period of four weeks recreation leave.

There is no strict definition of what constitutes full-time candidature but if you have employment or other commitments that would prevent you from devoting at least the equivalent of a 35-hour working week to your candidature (including attendance at the University for lectures, seminars, practical work and consultation with your supervisor) you should enrol as a part-time candidate. If in doubt, consult your faculty or supervisor.

International students

Student visa regulations require international students to undertake full-time study. International students on visas other than student visas may be permitted to study part-time.

Policy Online

In addition to the resolutions covering specific courses there are a number of University policies that apply to students. These include:

- Code of Conduct for students
- Academic Honesty in Coursework
- Student Plagiarism: Coursework Assessment and Examination of Coursework
- Identifying and Supporting Students at Risk

All of these policies can be accessed at the University's Policy website online (www.usyd.edu.au/policy).

Printing Service

The University Printing Service (UPS) provides printing and binding services including: high-volume printing and copying, short run/low-volume printing, and four-colour process printing. It also offers finished artwork and design, including website design, document scanning, file conversion and CD burning.

UPS products range from stationery, books, brochures, handbooks, graduation certificates and examination papers through to invitations, flyers and banners.

UPS also offers a variety of finishing options plus collating, addressing and filling of envelopes, mail merge options and print-broking services.

University Printing Service
Room 314, Top Floor
Services Building, G12
Codrington Street

Phone: +61 2 9351 2004
Fax: +61 2 9351 7757
Email: ups@ups.usyd.edu.au
Website: www.usyd.edu.au/ups

Privacy

The University is subject to the *NSW Privacy and Personal Information Protection Act 1998* and the *NSW Health Records and Information Privacy Act 2002*. Central to both Acts are the sets of information protection principles (IPPs) and health privacy principles which regulate the collection, management, use and disclosure of personal and health information.

In compliance with the *Privacy and Personal Information Protection Act* the University developed a *Privacy Management Plan* which includes the *University Privacy Policy*. The *Privacy Management Plan* sets out the IPPs and how they apply to functions and activities carried out by the University. Both the plan and the *University Privacy Policy* were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the plan may be found at www.usyd.edu.au/arms/privacy.

Any questions regarding the *Freedom of Information Act*, the *Privacy and Personal Information Protection Act*, the *Health Records and Information Privacy Act* or the *Privacy Management Plan* should be directed to one of the following:

Tim Robinson: +61 2 9351 4263
Anne Picot: +61 2 9351 7262
Email: foi@mail.usyd.edu.au

Research Office

The Research Office administers the major government-funded research awards. Details of these awards and many others may be obtained from www.usyd.edu.au/ro/training.

The closing date for Australian Postgraduate Awards (APA) and University of Sydney Postgraduate Awards (UPA) is October every year.

National Health and Medical Research Council (NHMRC) Postgraduate Research Scholarships usually close in mid-July. It is wise to confirm in advance the exact closing date.

Research Office
Level 6, Jane Foss Russell Building, G02
Phone: +61 2 8627 8112
Email: research.training@usyd.edu.au
Website: www.usyd.edu.au/ro/training

Scholarships for undergraduates

The Scholarships and Prizes Office administers scholarships and prizes for undergraduate and postgraduate coursework degrees at the University of Sydney. To learn more, see the website.

Scholarships and Prizes Office
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2717
Fax: +61 2 9036 7879
Email: scholarships.reception@usyd.edu.au
Website: www.usyd.edu.au/scholarships

Security Services

Security staff patrol the University's Camperdown and Darlington campuses 24 hours a day, seven days a week and are easily identified by their blue uniforms and distinguishing badges.

Security Escort Service

The University's Security Escort Service may be booked by telephoning +61 2 9351 3487. This service provides transportation around the Camperdown and Darlington campuses as well as to the nearest transport point at its edge (it generally operates after the Security Bus has ceased). The service is for security situations and is not designed for convenience use. Requests for this service will be prioritised against other security demands.

Emergency contact

Phone: +61 2 9351 3333

Enquiries

Phone: +61 2 9351 3487 or (toll-free within Australia) 1800 063 487
Fax: +61 2 9351 4555
Email: security.admin@mail.usyd.edu.au
Website: www.security.usyd.edu.au

Traffic

Phone: +61 2 9351 3336

Lost property

Phone: +61 2 9351 5325

Service Management, Information and Communications Technology (ICT)

Client Services are responsible for the delivery of many of the computing services provided to students. Students can contact Client Services by phoning the ICT Helpdesk on (02) 9351 6000, through the IT Assist website (www.switch.usyd.edu.au) or by visiting the staff at one of the University Access Labs.

Access labs on the Camperdown and Darlington campuses:

- Fisher Library (Level 2)
- Carslaw Building (Room 201)
- Education Building (Room 232)
- Christopher Brennan Building (Room 232)
- Engineering Link Building (Room 222)
- Pharmacy and Bank Building (Room 510)

Other labs are available at the Law Campus, Westmead Hospital and Cumberland Campus.

The labs provide students free access to computers, including office productivity and desktop publishing software. Some services are available on a fee-for-service basis, such as Internet access, printing facilities, and the opportunity for students to host their own non-commercial website.

Each student is supplied with an account, called a 'Unikey' account, which allows access to a number of services including:

- free email (www-mail.usyd.edu.au)
- WebCT/elearning online resources via https://learn-on-line.ce.usyd.edu.au/webct/entryPageIns.dowebct
- access to the Internet from home or residential colleges (www.switch.usyd.edu.au/services.html)
- facilities via the MyUni student portal: myuni.usyd.edu.au including exam results, enrolment variations and timetabling
- free courses in basic computing (such as MS Office, basic html and Excel), run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6870.

Service Management, Helpdesk
University Computer Centre, H08
Camperdown Campus

Phone: +61 2 9351 6000
Fax: +61 2 9351 6004
Email: support@usyd.edu.au
Website: www.switch.usyd.edu.au

Staff and Student Equal Opportunity Unit (SSEOU)

The Staff and Student Equal Opportunity Unit works with the University community to promote equal opportunity in education and employment, to create opportunities for staff and students who have traditionally been disadvantaged by mainstream practices and policies, and to create an environment that is free from discrimination and harassment.

The Staff and Student Equal Opportunity Unit is responsible for:

- providing policy advice to staff on harassment and discrimination
- providing equal opportunity policy development, promotion and training for staff and students
- coordinating and monitoring equity programs and initiatives
- providing information and advice to staff and students on equal opportunity matters
- resolving individual staff and student concerns about harassment and discrimination
- overseeing the University's Harassment and Discrimination Resolution procedure
- monitoring and reporting to external bodies on the University's progress in the equal opportunity area.

Every student and employee at the University of Sydney has the right to expect from their fellow students and colleagues behaviour that reflects these key values, irrespective of background, beliefs or culture.

In addition, every student and employee has a right to expect from the University-equitable practices that preserve and promote equal opportunity to access, participate, and excel in their chosen field.

Second Floor, Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2212
Fax: +61 2 9351 3195
Email: admin@eeo.usyd.edu.au
Website: www.usyd.edu.au/eeo

Student Administration and Support

The University provides personal, welfare, administrative and academic support services to facilitate your success. Many factors can have an impact on your wellbeing while studying, and Student Services can help you to manage these more effectively.

For details of services and online resources provided, see the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Student Centre

Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

General enquiries: +61 2 9351 3023
Academic records: +61 2 9351 4109
Handbooks: +61 2 9351 5057
Fax: +61 2 9351 5081 or +61 2 9351 5350 (academic records)
Website: www.usyd.edu.au/studentcentre

Student identity cards

The student identity card functions as a library borrowing card, a transport concession card (when suitably endorsed) and a general identity card. The card must be carried at all times on the grounds of the University and must be shown on demand, and must be taken to all examinations. Details for obtaining a student card can be found at: www.usyd.edu.au/cstudent/student_cards.shtml

Sydney Student Development

Sydney Student Development offers paid course-related employment to students with the aim of increasing their employment prospects upon graduation. During the semester students can work part-time to accommodate their study commitments and potentially full-time during the semester break.

For more information, see www.usyd.edu.au/student_employment.

Sydney Summer School

Nine faculties at the University offer subjects from undergraduate and postgraduate degree programs during summer. As the University uses its entire quota of Commonwealth-supported places in Semesters One and Two, these units are full fee-paying for both local and international students and enrolment is entirely voluntary.

Summer School enables students to accelerate their degree progress, make up for a failed subject or fit in a subject which otherwise would not suit their timetables. New students may also gain an early start by completing subjects before they commence their degrees.

Three Summer Sessions are offered, commencing in mid December, the first week of January and the third week of January and run for up to six weeks (followed by an examination week). Details of the available subjects are on the Summer School website and is usually circulated to students with their results notices.

A smaller Winter School is also run by the Summer School office. It will commence on 29 June 2009 and run for three weeks (followed by an examination week). The Winter School offers both postgraduate and undergraduate subjects.

To find out information about subjects offered and to enrol, see the Summer School website: www.summer.usyd.edu.au.

Sydney Welcome Orientation and Transition Program (SWOT)

The Sydney Welcome Orientation and Transition program (SWOT) offers a head start to commencing undergraduate students at the University, helping you to become familiar with the University and its student support services. The Library and central student support services work together with faculties to provide the SWOT program.

SWOT 2009 runs from **25 to 27 February 2009**.
For more information, see www.swot.usyd.edu.au.

The University of Sydney Foundation Program (USFP)

The University of Sydney provides a foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. It allows both first and second semester entry to undergraduate courses at the University of Sydney and other universities within Australia.

Contact details
Phone: +61 2 8263 1888
Fax: +61 2 9267 0531
Email: info@taylorscollege.edu.au
Website: www.usyd.edu.au/foundationprogram

College address
The University of Sydney Foundation Program
Taylors College
965 Bourke St
Waterloo NSW 2017
Phone: +61 2 8303 9700
Fax: +61 2 8303 9777

Timetabling Unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester One timetables are available ten days prior to the beginning of semester.

Website: www.usyd.edu.au/studentcentre/timetabling.shtml

University Health Service

The University Health Service provides a full experienced general practitioner service and emergency medical care to all members of the University community. You can consult a doctor either by appointment or on a walk-in basis (for more urgent matters only). The Health Service bills Medicare or your overseas student health care provider (Worldcare or Medibank Private) directly for the full cost of most consultations.

Email: i.marshall@unihealth.usyd.edu.au
Website: www.unihealth.usyd.edu.au
Phone: +61 2 9351 3484
Fax: +61 2 9351 4110

University Health Service (Wentworth)

Level 3, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia

Opening hours: 8.30am to 5.30pm, Monday to Friday
Phone: +61 2 9351 3484

University Health Service (Holme)

Holme Building, A09
Entry Level, Science Road
The University of Sydney
NSW 2006 Australia

Opening hours: 8.30am to 5.30pm, Monday to Friday
Phone: +61 2 9351 4095

Student organisations

Students' Representative Council (SRC)

The Students' Representative Council (SRC) represents, campaigns and advocates for undergraduate students throughout the University.

SRC caseworkers advise students on a range of issues, including academic appeals, Centrelink and Austudy, tenancy, harassment and discrimination. The solicitor (from Redfern Legal Centre) provides legal assistance and court representation. These services are free and confidential. The SRC also offers financial support in the form of emergency loans up to $50.

In addition, the SRC runs a second-hand bookshop that specialises in the purchase and sale of coursework textbooks. Among the publications produced by the SRC are the weekly student newspaper *Honi Soit*, the *Counter-Course Handbook* and the *O-Week Handbook*.

Recently celebrating its 80th anniversary, the SRC is one of the oldest student organisations in Australia, and is run by and for students. This is a great way for you to be involved in student life. Office bearers elected to student council campaign on issues that directly affect students, such as course cuts and assessments, fee increases, discrimination and welfare rights. They also advocate on social justice matters both within the University and throughout the wider community.

SRC main office
Level 1, Wentworth Building, City Road
Phone: +61 2 9660 5222
Fax: +61 2 9660 4260
Email: help@src.usyd.edu.au
Email (*Honi Soit* editors): editors@src.usyd.edu.au
Website: www.src.usyd.edu.au

Contain the main office for details of other campuses.

The SRC Secondhand Bookshop
Level 3, Wentworth Building, City Road
Phone: +61 2 9660 4756
Fax: +61 2 9660 4260
Email: books@src.usyd.edu.au
Website: www.src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)

SUPRA is an independent association which provides advice, advocacy and support services to postgraduate students. SUPRA is both the voice and safety net of these students, and represents their interests by:

- ensuring the representation of postgraduate views within the University and wider community
- providing free, confidential assistance and advocacy for postgraduates through the employment of Student Advice and Advocacy Officers (SAAOs)
- providing free legal advice for postgraduate students, in association with the Redfern Legal Centre
- representing postgraduates on University policy-making bodies such as the Academic Board, its committees and working parties
- meeting with members of the Senate on the Senate/Student Organisations Liaison Committee
- regularly consulting with the Vice-Chancellor, Registrar and other senior University officers
- drawing postgraduates together at all levels of University life.

SUPRA Council, committees and networks

The SUPRA Council is elected annually by and from the postgraduate student community. Council meetings are held monthly and postgraduate students are encouraged to attend. SUPRA committees and networks help to coordinate activities and run campaigns, and are a great way to get involved. All postgraduates can stand for the Council or attend any SUPRA events provided they are a SUPRA subscriber.

Advice and advocacy

SUPRA employs professional Student Advice and Advocacy Officers (SAAOs) to help postgraduate students with any academic or personal problems that may be affecting their study, such as:

- fee paying and administrative issues
- academic appeals and exclusions
- supervision problems
- tenancy issues
- Centrelink and financial assistance concerns
- harassment and discrimination.

This is a free and confidential service for all postgraduates at the University of Sydney. To access the SAAO service, you must be a SUPRA subscriber. It's free to subscribe and you can do it online, in the office, or when you see an SAAO. To find out more about the SAAO service, email: help@supra.usyd.edu.au.

Publications

SUPRA places the highest priority upon communication, being responsive to postgraduates and encouraging maximum participation in SUPRA through the following publications:

- *eXpress*, a magazine-style publication
- *eGrad*, a regular email bulletin
- *Survive!* Postgraduate Survival Manual
- *The Counter Course Handbook*
- *Thesis Guide*
- a range of factsheets and brochures.

Electronic versions are available at www.supra.usyd.edu.au.

All of SUPRA's services, activities and publications are free to SUPRA subscribers. By subscribing, you also show your support for all the work that SUPRA does on your behalf. It's free to subscribe and you can sign up online or drop into the SUPRA offices and fill out the form.

SUPRA Office
Raglan St Building, G10
Corner Raglan and Abercrombie Streets
Phone: +61 2 9351 3715 or toll-free 1800 249 950
Fax: +61 2 9351 6400
Email: admin@supra.usyd.edu.au
Website: www.supra.usyd.edu.au

University of Sydney Union (USU)

USU is the organisation that coordinates activities, programs, events, services and facilities in and around Manning House, Wentworth Building and Holme Building, to provide an exciting and varied student experience. USU looks after on-campus catering and functions, spaces to relax and eat in, clubs and societies, entertainment, and other social and cultural programs.

For more information on USU, see www.usuonline.com.

Access Card Benefits Program

The Access program is a savings and benefits scheme offered by USU. Once you've bought an Access Card, you can take advantage of great discounts, such as 15 per cent off purchases from USU catering and retail outlets, and 20 percent off coffee and water across campus.

As part of your membership, you can also make fantastic savings off-campus from Access Partners offering discounts and deals on gifts, clothing, family entertainment and food.

For more information, see www.accessbenefits.com.au.

Clubs and societies

The USU funds, accommodates, trains and supports around 250 clubs and societies – groups that students can join and operate to pursue their own interests. Clubs and societies organise their own activities and events and are funded by USU. Being part of a club or society is the best way to get involved in campus life, meet people who share your interests, network and gain valuable organisational skills, training and experience.

There are clubs and societies focused on politics, culture, the arts, the environment, religion, volunteering, skills, hobbies, departments and faculties. If there isn’t a club or society catering to your interests, we'll help you create and operate your own!

USU provides all of their clubs and societies with grants, insurance, venues, training and support for a range of events and projects including barbecues, dinners, annual balls, dance parties, cocktail parties, video nights, camps, conferences, excursions, trivia nights, fundraisers, merchandise and t-shirt production, postage and printing.

Registered clubs and societies can make free use of USU meeting rooms (as available) and free photocopying. Registered clubs can also use letterbox hire and USU equipment hire.

C&S Office
University of Sydney Union
Level 1, Manning House, Manning Road
Phone: +61 2 9563 6161
Email: clubsandsocs@usu.usyd.edu.au

The USU Student Leadership Program

The USU believes that a university should educate you, prepare you for life, and be fun!

The University of Sydney is able to boast the broadest, most inclusive extra-curricular program of all universities in Australia, and the USU prides itself on the world-class student experience program it delivers for the University.

The USU takes very seriously the need to create a vibrant community outside the classroom. Our programs are designed not only to entertain, but to teach and prepare participants for their lives after graduation. At the apex of what we do is mentoring, personal development, and leadership training.

The vitality of the USU is founded on the involvement of students as leaders within its community. These positions range from a student Board of Directors, Club and Society Executives, Festival Directors, Debate Directors, volunteers, and community portfolio convenors.

Sydney Uni Sport & Fitness

Sydney Uni Sport & Fitness invites you to choose from our range of value membership options, giving access to many sport and recreation clubs, fitness programs, top-level sporting facilities, regular competition and events, and great member benefits.

Join a vast array of sporting and recreational clubs for men and women with well-developed juniors programs, take part in excellent courses and world-class sporting events, and improve your performance under the guidance of some of Australia's most accomplished coaches and sportspeople.

Purpose-built venues, such as the University Sports and Aquatic Centre, Arena Sports Centre with the Ledge Climbing Centre, and the HK Ward Gymnasium, offer tennis and squash courts, rock-climbing, fitness equipment, a martial arts room and an Olympic-size heated swimming pool.

Check out the historic and panoramic sporting ovals, rowing sheds and a multi-purpose facility at Tempe, and don't forget the on-campus Grandstand Sports Bar.

Sydney Uni Sport & Fitness
University Sports & Aquatic Centre
Phone: +61 2 9351 4960
Fax: +61 2 9351 4962
Email: admin@sport.usyd.edu.au
Website: www.susf.com.au

Facilities

Sydney Uni Sport & Fitness has three main fitness centres.

University Sports & Aquatic Centre

Corner Codrington and Darlington Streets
Darlington Campus
Phone: +61 2 9351 4978
Email: nmrc@sport.usyd.edu.au

Facilities at the centre include:

- 50-metre heated swimming pool
- six synthetic tennis courts
- four squash courts
- multi-function sports hall
- modern fitness equipment
- group fitness studio
- RPM Studio
- health assessments and fitness testing
- personal training
- a café.

Arena Sports Centre

Western Avenue
Camperdown Campus
Phone: +61 2 9351 8111
Email: arenaman@sport.usyd.edu.au

Facilities at the Arena Sports Centre include:

- extensive weights room
- Yoga classes
- personal training
- modern cardio equipment
- multi-purpose sports hall (Badminton)
- two squash courts
- sports clinic
- The Ledge Climbing Centre
- Ralph’s Café.

HK Ward Gymnasium

Between Ovals 1 and 2
Camperdown Campus
Phone: +61 2 9351 4988
Email: hk@sport.usyd.edu.au

Facilities at the gymnasium include:

- martial arts facility
- international-standard sports hall
- boxing ring and gym
- group fitness studio
- boxercise and kickboxing classes
- ergometer training
- sports equipment hire.

International students

The following information is for international students studying onshore on an Australian student visa.

Completion within the expected duration

Education Providers are required to ensure that international students complete their studies within the duration specified on the electronic Confirmation of Enrolment (eCoE). Extensions to a student's course duration are allowed only in limited circumstances. For example, for compassionate or compelling reasons, where an intervention strategy has been implemented or where there has been an approved leave of absence or suspension.

It is important for students to ensure they are on track to complete their studies within the expected duration, or that they have permission from their faculty to extend their duration.

Satisfactory academic progress

Maintaining satisfactory course progress is a mandatory student visa condition. Education providers are required to monitor course progress, intervene where students are at risk of failing to achieve satisfactory course progress, notify students who fail to achieve satisfactory course progress, and report students who fail to achieve satisfactory course progress to the Department of Immigration and Citizenship (DIAC).

It is important that every student is aware of the progress rules for their course and participates in the intervention strategies implemented by their faculty. Exclusion from a course due to unsatisfactory progress can have serious implications for student visa holders including visa cancellation and restrictions on returning to Australia.

The University provides many avenues of support for students who are struggling academically. International students who are experiencing any difficulties with their academic progress should consult their faculty, the international student advisers in the International Office or the counsellors in the International Student Support Unit (ISSU).

Distance/web-based study

International students may undertake no more than 25 per cent of their total course by distance and/or online learning. Students must not enrol in exclusively distance or online study in any compulsory study period.

Work permits

International students with a work permit are permitted to work for up to 20 hours during semester and full-time during the University's official vacation periods. Contact the international student advisers in the International Office for more information.

Change of address

International students must notify the University of their residential address within seven days of arrival and notify any change of address within seven days. This should be done online via the University's MyUni student portal (http://myuni.usyd.edu.au).

Sponsored students

Sponsored students will need permission from their sponsors before transferring courses, suspending their studies or varying their study load. Students sponsored by the Australian Government (AusAID, Endeavour), or Asia Development Bank (ADB) should contact the International Office in the early stages of considering a change to their program.

Suspension/discontinuation

The University is required to report to DIAC any international students who discontinue or suspend their studies. Students who suspend their studies for medical or compassionate reasons should contact the International Student Advisers in the International Office urgently.

Overseas student health cover

The Australian government requires that all international students and their families pay for health insurance in Australia through the Overseas Student Health Cover (OSHC) scheme. The University-preferred provider is OSHC Worldcare. The International Office will, on receipt of the student's first payment of tuition fees and the OSHC premium, pay the compulsory amount to OSHC Worldcare on his/her behalf.

OSHC provides free access to the University health service and public hospitals. Higher-level coverage (eg, access to private hospitals coverage for spouse and family) is the student's responsibility.

The University of Sydney Foundation Program (USFP)

The University of Sydney offers its foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The Foundation Program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. The Foundation Program allows both first and second-semester entry to undergraduate courses at the University of Sydney and other Australian universities.

University of Sydney Foundation Program
Taylors College
965 Bourke Street
Waterloo NSW 2017

Phone: +61 2 8303 9700
Fax: +61 2 8303 9777
Email: info@taylorscollege.edu.au
Website: www.usyd.edu.au/foundationprogram

International Office

The International Office provides advice and assistance with application, admission and enrolment procedures for international students. The International Office also includes units responsible for international marketing, government and student relations, international scholarships, including AusAID scholarships and administrative support for international financial aid programs, and compliance with government regulations related to international students.

The International Office also coordinates student exchange and study abroad programs, and other inter-institutional links.The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for study abroad or exchange programs.

International Admissions and Customer Services
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Future student enquiries: 1800 899 376 (domestic free call)
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad
Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange
Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit

The International Student Support Unit (ISSU) provides support to international students through the provision of information, orientation programs, welfare advice and counselling.

The ISSU provides advice to international students on:

- preparations before leaving their home country
- what to expect upon arrival in Sydney
- emotional changes that can take place when moving to a different country
- academic concerns, including understanding the University system and liaising with staff members
- preparing family visit letters
- preparing to return to their home country.

The ISSU has two offices:

Camperdown Campus
Jane Foss Russell Building, G02
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/stuserv/issu

Cumberland Campus
Ground Floor, A Block, C42
75 East St, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Email: ISSU.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/stuserv/issu

Essential information for students

Calendar

The annual *University of Sydney Calendar* and its online updates are the University of Sydney's central source of official information.

The *Calendar* provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Resolutions of the Senate relating to constitutions of and courses in each faculty. The statutes and regulations, as well as some Resolutions of the Senate, also appear in Policy Online (www.usyd.edu.au/policy).

Along with the University of Sydney handbooks, the *Calendar* forms the official legal source of information relating to study at the University of Sydney.

The latest *Calendar* is available in hard copy from the Student Centre. It is also available online, at www.usyd.edu.au/calendar. The PDF and Word document files can be downloaded and printed if required.

Coursework Rule

It is very important that students are aware of the *University of Sydney (Coursework) Rule 2000*, which governs all coursework award courses in the University.

The Coursework Rule relates to:

- award course requirements
- credit points and assessment
- enrolment
- credit
- cross-institutional study and its upper limits
- progression
- discontinuation of enrolment and suspension of candidature
- unsatisfactory progress and exclusion
- exceptional circumstances
- award of degrees
- diplomas and certificates
- transitional provisions.

It should be read in conjunction with two other documents:

- *University of Sydney (Amendment Act) Rule 1999*; and
- Resolutions of the Senate and the faculty resolutions relating to each award course. These are found in the relevant faculty handbook.

The Coursework Rule can be found in the following places:

- *University of Sydney Calendar* (print or online version): www.usyd.edu.au/calendar)
- Policy Online: www.usyd.edu.au/policy
- Handbooks online: www.usyd.edu.au/handbooks/university_information/01_uni_coursework_rule

PhD Rule

The *University of Sydney (Doctor of Philosophy (PhD)) Rule 2004* deals with matters relating to the degree of Doctor of Philosophy, including admission, probation, supervision and submission of theses.

It should be read in conjunction with two other documents:

- *University of Sydney (Amendment Act) Rule 1999*; and
- Senate and faculty resolutions relating to each award course (found in the relevant faculty handbook).

The PhD Rule can be found in the following locations:

- *University of Sydney Calendar* (print or online version): www.usyd.edu.au/calendar
- Policy Online: www.usyd.edu.au/policy
- Handbooks online: www.usyd.edu.au/handbooks/postgrad_hb/ap04_phd_rule.shtml

Plagiarism

The University of Sydney is opposed to and will not tolerate plagiarism. It is the responsibility of all students to:

- ensure that they do not commit or collude with another person to commit plagiarism
- report possible instances of plagiarism
- comply with the University's policy and procedure on plagiarism.

The policy and procedure on plagiarism can be found at the Policy Online website www.usyd.edu.au/policy.

The Policy Online website also lists related policies and procedures, including:

- *Academic Honesty in Coursework (plagiarism)* policy; and
- *Code of Conduct for Responsible Research Practice and Guidelines for Dealing with Allegations of Research Misconduct*.

The University will treat all identified cases of student plagiarism seriously, in accordance with this policy and procedure, and with Chapter 8 of the *University of Sydney By-Law 1999 (as amended)*, which deals with student discipline.

Students at Risk Policy

The Students at Risk Policy enables early detection of students who are making poor or unsatisfactory progress and are therefore at risk of exclusion from their degree.

The policy outlines procedures and processes to support students in their ongoing studies, including:

- timely intervention and the provision of advice and assistance
- regularly and effectively advising students of progress requirements
- identifying students at risk
- alerting students that they are at risk
- providing assistance to address the risk
- tracking the progress of students after they are identified as being at risk.

For more information on this policy, please see the Secretariat website at www.usyd.edu.au/secretariat/students/riskstudents.

Grievance procedure

The University's policy and procedures document on student grievances, appeals and applications for review is available on the Policy Online website: www.usyd.edu.au/policy.

The *Grievance Procedure* document is a statement of the University's processes for handling student grievances, appeals and applications for review regarding academic and non-academic matters.

Study at the University presents opportunities for interacting with other members of the University community. The University recognises and values the diversity of student experiences and expectations, and is committed to treating students, both academically and administratively, in a fair and transparent manner.

Abbreviations

Listed below are commonly used acronyms that appear in University documents and publications. (See also the Glossary.)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A	
AARNet	Australian Academic Research Network
AAUT	Australian Awards for University Teaching
AAM	Annual Average Mark
ABC	Activity-based costing
ABSTUDY	Aboriginal Study Assistance Scheme
ACER	Australian Council for Educational Research
AGSM	Australian Graduate School of Management
ANZAAS	Australian and New Zealand Association for the Advancement of Science
APA	Australian Postgraduate Awards
APAC	Australian Partnership for Advanced Computing
APAI	Australian Postgraduate Awards (Industry)
APA-IT	Australian Postgraduate Awards in Information Technology
APDI	Australian Postdoctoral Fellowships Industry
APEC	Asia-Pacific Economic Cooperation
APF	Australian Postdoctoral Fellowship
AQF	Australian Qualifications Framework
ARC	Australian Research Council
ARTS	Automated Results Transfer System
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students
ATN	Australian Technology Network
ATP	Australian Technology Park
AUQA	Australian Universities Quality Agency
AusAID	Australian Agency for International Development
AUTC	Australian Universities Teaching Committee
AVCC	Australian Vice-Chancellors' Committee

B	
BAA	Backing Australia's Ability
BAC	Budget Advisory Committee
BITLab	Business Intelligence Lab
BLO	Business Liaison Office
BOTPLS	Bridging for Overseas Trained Professionals Loans Scheme

C	
CAF	Cost adjustment factor
CPS	Campus Property Services
CAUT	Committee for Advancement of University Teaching
CDP	Capital Development Program
CEP	Country Education Profile
CEQ	Course Experience Questionnaire
CES	Casual Employment Service
CFO	Chief Financial Officer
CHASS	College of Humanities and Social Sciences
CHESSN	Commonwealth Higher Education System Student Number
CHS	College of Health Sciences
CIO	Chief Information Officer
COE	Confirmation of Enrolment
CPSU	Community and Public Sector Union
CRC	Cooperative Research Centre

C	
CREO	Centre for Regional Education, Orange
CRICOS	Commonwealth Register of Institutions and Courses for Overseas Students
CRRI	Centre for Rural and Regional Innovation
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CST	College of Sciences and Technology
CULT	Combined Universities Language Test
CUTSD	Committee for University Teaching and Staff Development

D	
DAC	Data Audit Committee
DEST	Commonwealth Department of Education, Science and Training
DET	NSW Department of Education and Training
DIMA	Department of Immigration and Multicultural Affairs
D-IRD	Discovery-Indigenous Researchers Development Program
DVC	Deputy Vice-Chancellor

E	
EB	Enterprise bargaining
EFTSU	Equivalent full-time student unit
EFTSL	Equivalent full-time student load
EIP	Evaluations and Investigations Program
ELICOS	English Language Intensive Course of Study
EMU	Electron Microscope Unit
ESOS Act	Education Services for Overseas Student Act

F	
FFT	Fractional full-time (equivalent staff)
FlexSIS	Flexible Student Information System
FHS	Faculty of Health Sciences
FOS	Field of study
FTE	Full-time equivalent (staff)
FRM	Faculty of Rural Management

G	
GATS	General Agreement on Trade in Services
GCCA	Graduate Careers Council of Australia
GDS	Graduate destination survey
GPOF	General Purpose Operating Funds
GSA	Graduate Skills Assessment
GSG	Graduate School of Government
GWSLN	Greater Western Sydney Learning Network

H	
HDR	Higher Degree Research
HECS	Higher Education Contribution Scheme
HEEP	Higher Education Equity Program
HEFA	Higher Education Funding Act 1988
HEIMS	Higher Education Information Management System
HEIP	Higher Education Innovation Program (DEST)
HELP	Higher Education Loan Program

H	
HEO	Higher education officer
HEP	Higher education provider
HERDC	Higher Education Research Data Collection
HESA	Higher Education Support Act

I	
IAF	Institutional Assessment Framework
IAS	Institute of Advanced Studies
ICT	Information and Communication Technology
IELTS	International English Language Testing Scheme
IGS	Institutional Grants Scheme (DEST)
IO	International Office
IP	Intellectual property
IPRS	International Postgraduate Research Scholarships
IREX	International Researcher Exchange Scheme
ISFP	Indigenous Support Funding Program
ISIG	Innovation Summit Implementation Group
ISSU	International Student Services Unit
ITC	Information Technology Committee
ITL	Institute for Teaching and Learning
ITS	Information Technology Services

J	
JASON	Joint Academic Scholarships Online Network

L	
LBOTE	Language background other than English

M	
MISG	Management Information Steering Group
MNRF	Major National Research Facilities Scheme
MOU	Memorandum of Understanding
MRB	Medical Rural Bonded Scholarship Scheme

N	
NBCOTP	National Bridging Courses for Overseas Trained Program
NCG	National Competitive Grant
NESB	Non-English-speaking background
NHMRC	National Health and Medical Research Council
NOIE	National Office for the Information Economy
NOOSR	National Office for Overseas Skill Recognition
NRSL	Non-recent school leaver
NSW VCC	New South Wales Vice-Chancellors' Conference
NTEU	National Tertiary Education Industry Union

O	
OECD	Organisation for Economic Cooperation and Development
OLA	Open Learning Australia
OLDPS	Open Learning Deferred Payment Scheme
OPRS	Overseas Postgraduate Research Scholarships

P	
PELS	Postgraduate Education Loans Scheme
PSO	Planning Support Office
PVC	Pro-Vice-Chancellor

Q	
QA	Quality assurance
QACG	Quality Advisory and Coordination Group

R	
R&D	Research and development
R&R	Restructuring and Rationalisation Program
RC	Responsibility Centre
REG	Research and Earmarked Grants
REP	Research Education Program
RFM	Relative Funding Model
RIBG	Research Infrastructure Block Grant (DEST)
RIEF	Research Infrastructure Equipment and Facilities Scheme
RISF	Restructuring Initiatives Support Fund
RMO	Risk Management Office
ROA	Record of Achievement
RQ	Research Quantum
RQU	Recognition Quality Unit (Higher Education Division – DEST)
RRTMR	Research and Research Training Management Reports
RSL	Recent school leaver
RTS	Research Training Scheme (DEST)

S	
SCA	Sydney College of the Arts
SCEQ	Sydney Course Experience Questionnaire
SCM	Sydney Conservatorium of Music
SCR	Science Capability Review
SDF	Strategic Development Fund
SEG	Senior Executive Group
SES	Socioeconomic status
SI	Scholarship Index
SLE	Student Learning Entitlement
SNA	Safety net adjustment
SPIRT	Strategic Partnerships with Industry – Research and Training
SPR	Student Progress Rate
SRC	Students' Representative Council
SSR	Student–staff ratio
STABEX	Study Abroad Exchange (database)
SUPRA	Sydney University Postgraduate Students' Representative Association
SUSport	Sydney Uni Sport & Fitness

T	
TAFE	Technical and Further Education
TOEFL	Test of English as a foreign language
TPI	Teaching Performance Indicator

U	
UAC	Universities Admissions Centre
UMAP	University Mobility in Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UPA	University Postgraduate Awards

V	
VCAC	Vice-Chancellor's Advisory Committee
VET	Vocational Education and Training

W	
WAM	Weighted Average Mark
WRP	Workplace Reform Program
WTO	World Trade Organization

Y	
YFE	Year of first enrolment

Glossary

For a table of commonly used acronyms and abbreviations that appear in University documents and publications, see 'Abbreviations'.

This glossary describes terminology in use at the University of Sydney.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Academic Board
The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving new or amended courses and endorsing faculty development of units of study. The board is also responsible for the formulation and review of policies, guidelines and procedures in relation to academic matters. For further information, see the *University of Sydney (Academic Governance) Rule 2003 (as amended)*.

Academic Consortium 21 (AC21)
An international network, of which the University is a member, comprising educational, research and industrial organisations throughout the world with the objective of encouraging the further advancement of global cooperation to the benefit of higher education and to contribute to world and regional society.

Academic cycle
The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One to the completion of the processing of results at the end of Semester Two.
See also 'Academic year', 'Stage'.

Academic dishonesty
Academic dishonesty occurs when a student presents another person's ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams.
See also 'Plagiarism'.

Academic record
The complete academic history of a student at the University. It includes, among other things: personal details; all units of study and courses taken; assessment results (marks and grades); awards and prizes obtained; infringements of progression rules; approvals for variation in course requirements and course leave; thesis and supervision details.

Access to a student's academic record is restricted to authorised University staff and is not released to a third party without the written authorisation of the student.
See also 'Academic transcript'.

Academic transcript
A printed statement setting out a student's academic record at the University. There are two forms of academic transcript: external and internal.
See also 'Academic record', 'External transcript', 'Internal transcript'

Academic year
The current calendar year in which a student is enrolled.
See also 'Academic cycle', 'Stage'.

Ad eundem gradum
Long-standing full-time members of the University's academic and general staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission *Ad eundem gradum* ('to the same degree') to an appropriate degree of the University.

Admission
Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC, with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission basis
The main criterion used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies; work experience; special admission; and the Universities Admission Index (UAI).

Admission (Deferment)
An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission mode
A classification based on how a student was admitted to a course, for example 'UAC' or 'direct'.

Admission period
The period during which applications for admission to courses are considered.

Admission year
The year the student expects to begin the course.
See also 'Commencement date'.

Advanced diplomas
See 'Award course'.

Advanced standing
See 'Credit'.

Adviser
A member of academic staff appointed in an advisory role for some postgraduate coursework students.
See also 'Associate supervisor', 'Instrumental supervisor/teacher', 'Research supervisor', 'Supervision'.

Aegrotat
In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of aegrotat and posthumous degrees and diplomas may be conferred.

Alumni
See 'Graduate'

Alumni sidneiensis
A searchable database of graduates of the University from 1857 to 30 years prior to the current year.

Annual average mark (AAM)
The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).
The formula for this calculation is:

$$AAM = \frac{\sum (marks \times credit\ point\ value)}{\sum (credit\ point\ value)}$$

(sums over all units of study completed in the selected period)

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0. Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations. However, the marks from all attempts at a unit of study are included.

Annual progress report
A form used to monitor a research student's progress each year. The form provides for comments by the student, the supervisor, the head of the department and the dean (or their nominee). The completed form is attached to the student's official file.

Annual Report
The University's yearly financial and audit report, submitted to the NSW Parliament. It also includes a broad range of the University's activities and the strength of their performance in relation to the University's stated roles, values and goals.

Appeals
Students may lodge an appeal against academic or disciplinary decisions.

Appeals against an academic decision
A student may appeal to the Student Appeals Body against a decision by the University that affects the academic assessment or progress of a student within his or her award course, including a decision:

(a) to exclude a student in accordance with the *University of Sydney (Coursework) Rule 2000 (as amended)*
(b) not to readmit or re-enrol a student following exclusion in accordance with the *University of Sydney (Coursework) Rule 2000 (as amended)*
(c) to terminate a student's candidature for a postgraduate award.
See also 'Student Appeals Body'.

Appeal against a disciplinary decision
A student may appeal to the Student Disciplinary Appeals Committee against a determination being:

(a) a finding by the Vice-Chancellor or the student Proctorial Board that the student is guilty of misconduct
(b) the imposition of a penalty upon the student by the Vice-Chancellor or the Student Proctorial Board
(c) an order made by the Vice-Chancellor or the Student Proctorial Board.
See also 'Student Disciplinary Appeals Committee'.

Assessment
The process of measuring the performance of students in units of study and courses. Performance may be assessed by examinations, essays, laboratory projects, assignments, theses, treatises or dissertations.
See also 'Result processing', 'Result processing schedule'.

Formative assessment
Used principally to provide students with feedback on their progress in learning. It reinforces successful learning, and is an opportunity for students to expose the limits in their knowledge and understanding.

Summative assessment
Used to certify competence, or to arrange students in a rank order of merit. It certifies the attainment of a standard, and is used as the basis for progression to the next part of a program, or to graduation.

Associate supervisor
A person who is appointed in addition to the supervisor of a research student, who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision.
See also 'Adviser', 'Instrumental supervisor/teacher', 'Research supervisor', 'Supervision'.

Association of Pacific Rim Universities (APRU)
A consortium of leading research universities in the Pacific Rim, of which the University is a member, which aims to foster education, research and enterprise thereby contributing to the economic, scientific and cultural advancement in the Pacific Rim.

Assumed knowledge
For some units of study, a student is assumed to have passed a relevant subject in the HSC and this is called assumed knowledge. While students are generally advised against taking a unit of study for which they do not have the assumed knowledge, they are not prevented from enrolling in the unit of study.
See also 'Prerequisite'.

Attendance pattern
Attendance pattern is classified as full-time, part-time or external. It depends on the student's mode of attendance and the student load.

Attendance mode
A Department of Education, Science and Training (DEST) classification defining the manner in which a student is undertaking a course, such as internal, external, mixed or offshore.

Australian Qualifications Framework (AQF)
The framework for recognition and endorsement of qualifications established by the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA).

AUSTUDY
Provides financial help to students who are 25 years old or over who meet the required criteria, and are undertaking an approved full-time course at an approved institution.
See also 'Youth allowance'.

Automated Results Transfer System (ARTS)
This system was developed by the Australasian Conference of Tertiary Admissions Centres (ACTAC) to allow the electronic academic record of a student to be accessed, via an admission centre, by tertiary institutions.

Award course
See 'Course'.

B

Bachelor's degree
The highest undergraduate award offered at the University. A bachelor's degree course normally requires three or four years of full-time study or the part-time equivalent.
See also 'Award course'.

Barrier
An instruction placed on a student's record that prevents the student from re-enrolling or graduating.
See also 'Deadlines (fees)', 'Suppression of results'.

Board of studies
An academic body which supervises a course or courses, and is similar to a faculty except that it is headed by a chair rather than a dean and does not supervise PhD candidates.

Bursaries
Financial award made to a student, based primarily on need.
See also 'Scholarships'.

C

Calendar
See 'University Calendar'.

Cadigal program
A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the successful participation of Aboriginal and Torres Strait Islander people in degree courses in all faculties at the University of Sydney.

Campus
The grounds on which the University is situated. There are ten campuses of the University of Sydney:

- Burren Street (Institute of Transport Studies)
- Camperdown
- Darlington
- Camden (Agriculture and Veterinary Science)
- Conservatorium (Sydney Conservatorium of Music)
- Cumberland (Health Sciences)
- Mallett Street (Nursing)
- Rozelle (Sydney College of the Arts)
- St James (Law)
- Surry Hills (Dentistry)

Cancellation
Where enrolment is cancelled for non-payment of fees.

Candidature
Candidature commences when a student is admitted to a course of study leading to the award of a degree, diploma or certificate. There are maximum periods and in some cases minimum periods of candidature depending on the award course and whether the candidate is a full-time or part-time student.
See 'Course enrolment status'.

Census date
The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST.
See also 'HECS-HELP'.

Ceremony
See 'Graduation ceremony'.

Chancellor
The non-executive head of the University. An honorary position, the Chancellor presides over meetings of the University's governing body, the Senate, and important ceremonial occasions such as graduations.

Clinical experience
Students undertake clinical placements in a professional environment as part of their course requirements. Many require University-approved supervision. In order to undertake clinical placements a student may be required to fulfil additional requirements.

Combined course
A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree
A single program with a single set of course resolutions leading to the award of two degrees (unless otherwise specified in the resolutions).
See also 'Combined course'.

Commencement date
The date a student commences candidature.

Commonwealth Supported Place (CSP)
(Previously known as a HECS Place.) A student in a Commonwealth Supported Place makes a contribution towards the cost of their education (known as the student contribution) while the Australian Government contributes the majority of the cost.

Confirmation of Enrolment form (COE)
This form is issued to each student after enrolment, showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally. A new confirmation of enrolment form is produced every time a student's enrolment is varied.

Conjoint ventures
Two or more institutions cooperate to provide a unit or course of study to postgraduate coursework students. Arrangements exist between individual departments at the University of Sydney and individual departments at the University of New South Wales (UNSW) and the University of Technology Sydney (UTS).

In these arrangements, students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their 'home' institution.

Continuing professional education
A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education (CCE) and a number of departments and foundations across the University. This process supports the whole of life learning concept and involves the maintenance of a long-term relationship between the student and the University.

Convocation
The body compromising the Fellows and former Fellows of the Senate of the University of Sydney; members of the former governing bodies of the institutions with which the University has amalgamated or their predecessors; the graduates of the University of Sydney, which include graduates of the institutions with which the University has amalgamated or their predecessors; professors and other full-time members of the academic staff of the University; and principals of the incorporated colleges. This is as per clause 14 of the *University of Sydney Act 1989*.

Core unit of study
A unit of study that is compulsory for a particular course or subject area.
See also 'Unit of study'.

Corequisite
A unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS.
See also 'Prerequisite', 'Waiver'.

Cotutelle Scheme
Agreement between the University and any overseas university for joint supervision and examination of a PhD student as part of an ongoing cooperative research collaboration. If successful, the student receives a doctorate from both universities with each testamur acknowledging the circumstances under which the award was made.

Course
An undertaking of study at the University of Sydney.

Award course
A formal course of study that will see attainment of a recognised award. Award courses are approved by Academic Board and endorsed by Senate. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research.
See also 'Bachelor's degree', 'Course rules', 'Diploma', 'Doctorate', 'Major', 'Master's degree', 'Minor', PhD, 'Stream'.

Non-award course
Studies undertaken by students who are not seeking an award from the University.
See also 'Cross-institutional enrolment'.

Coursework
An award course not designated as a research award course. While the program of study in a coursework award course may include a component of original work, other forms of instruction and learning will normally be dominant.

Research
A course in which at least 66 per cent of the overall course requirements involve students undertaking supervised research, leading to the production of a thesis or other piece of written or creative work, over a prescribed period of time.

Course alias
A unique five character alpha-numeric code which identifies a University course.

Course code
See 'Course alias'.

Course enrolment status
A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. 'Not enrolled' reasons include: cancelled; suspended; under examination; or terminated.
See also 'Cancellation', 'Candidature', 'Course leave', 'Enrolment', 'Enrolment variation', 'Terminated', 'Under examination'.

Course leave
Students are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising faculty for a minimum of one semester. Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level, leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to formally reapply for admission.
See also 'Progression'.

Course rules
Rules which govern the allowable enrolment of a student in a course. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated. For example, a candidate may not enrol in units of study having a total value of more than 32 credit points per semester. Course rules also govern the requirements for the award of the course, for example a candidate must have completed a minimum of 144 credit points.
See also 'Award course', 'Corequisite', 'Prerequisite'.

Course suspension
See 'Course leave'.

Course transfer
A transfer occurs when a student changes from one course in the University to another course in the University without the requirement for an application and selection process (for example from a PhD to a master's program in the same faculty).

Credit
The recognition of previous studies successfully completed at this University, or another university or tertiary institution recognised by the University of Sydney, as contributing to the requirements of the course to which the applicant requesting such recognition has been admitted. It may be granted as specified credit or non-specified credit.

Specified credit
The recognition of previously completed studies as directly equivalent to units of study.

Non-specified credit
A 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study.
See also 'Annual average mark (AAM)', 'Waiver', 'Weighted average mark (WAM)'.

Credit points
The value of the contribution each unit of study provides towards meeting course completion requirements. Each unit of study normally has a six credit point value assigned to it. The total number of credit points required for completion of award courses will be specified in the Senate Resolutions relevant to the award course.

Cross-institutional enrolment
An enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments incur a student-contribution liability (see Commonwealth-supported student) or tuition fee charge at the institution at which the unit of study is being undertaken.
See also 'Non-award course'.

D

Data Audit Committee (DAC)
The Data Audit Committee's role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It also advises the Academic Board on suggested policy changes related to course and unit of study data. A subcommittee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and Planning and Statistics.

Deadlines (Enrolment variations)
See 'Enrolment variation'.

Deadlines (Fees)
The University has deadlines for the payment of fees (for example, HECS, compulsory subscriptions, course fees). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record.
See also 'Barrier', 'Cancellation'.

Dean
The head of a faculty, or the principal or director of a college (such as the Sydney Conservatorium of Music or the Sydney College of the Arts).

Dean's Certificate
A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use Dean's Certificates. In faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

Deferment (Deferral)
See also 'Admission (deferment)', 'Course leave'.

Degree
See also 'Award course', 'Bachelor's degree'.

Delivery mode
Indicates how students receive the instruction for a unit of study. The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, for example an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Distance education
Where subject matter is delivered in a more flexible manner, such as correspondence notes, a student may only attend campus if required.
See also 'Extended semester', 'Distance education', 'International – off shore'.

Intensive on-campus
Core content is delivered with support learning in an intensive (one or more days) format on campus. Participation is usually compulsory. Previously this may have been called residential, block mode, or weekend workshop.

On-campus (normal)
Attendance of scheduled lectures, tutorials etc at a campus of the University.

Department
See 'School'.

Department of Education, Science and Training (DEST)
The Federal Government department responsible for higher education.

Diploma
The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course.
See also 'Award course'.

Direct admissions
For some courses, applications may be made directly to the University. Applications are received by faculties or the International Office, and considered by the relevant department or faculty body. Decisions are recorded and letters are forwarded to applicants advising them of the outcome.
See also 'Admission', 'UAC'.

Disability information
Students may inform the University of any temporary or permanent disability which affects their life as a student. Disability information is recorded but it is only available to particular authorised users because of its sensitive nature and students will be informed of its use.

Disciplinary action
Undertaken as the result of academic or other misconduct, for example plagiarism, cheating, security infringement, criminal activity.

Discipline
A defined area of study, for example, chemistry, physics, economics.

Discipline group
A DEST code used to classify units of study in terms of the subject matter being taught or being researched.

Discontinuation (course)
See 'Enrolment variation'.

Discontinuation (unit of study)
See 'Enrolment variation.

Dissertation
A written exposition of a topic which may include original argument substantiated by reference to acknowledged authorities. It is a required unit of study for some postgraduate award courses in the faculties of Architecture and Law.

Distance education
Where a student does not attend campus on a daily basis for a given course or unit of study.
See also 'Delivery mode', 'Extended semester'.

Doctorate
A high-level postgraduate award. A doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a doctorate course often requires completion of a master's degree course. Note that the doctorate course is not available in all departments at the University.
See also 'Award course', 'PhD'.

Domestic student
A student who is not an international student.
See also 'Local student'.

Double degree
A double degree is a program where students are permitted by participating faculties (and/or by specific resolutions within a single award) to transfer between courses in order to complete two awards.

Downgrade
Where a student enrolled in a PhD reverts to a master's by research, either on the recommendation of the University on the basis that the research they are undertaking is not at an appropriate level for a PhD; or at the student's own request, for personal or academic reasons.

E

Equivalent full-time student unit (EFTSU)
The equivalent full-time student unit (EFTSU) is a measure of student load based on the workload for a student undertaking a full year of study in a particular course. A student is then recorded as having generated one EFTSU.
See also 'Load', 'Stage'.

Equivalent full-time student load (EFTSL)
The equivalent full-time student load (EFTSL) for a year. It is a measure, in respect of a course of study, of the study load for a year of a student undertaking that course of study on a full-time basis.

Embedded courses
Award courses in the graduate certificate, graduate diploma and master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards, for example the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology.

Enrolment
A student enrols in a course by registering with the supervising faculty in the units of study to be taken in the coming year, semester or session.

Commencing
An enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time.

Continuing
Students already in a course at the University re-enrol each year or semester. Most continuing students are required to pre-enrol.
See also 'Pre-enrolment'.

Enrolment list
A list of all currently enrolled students in a particular unit of study.
See also 'Unit of study'.

Enrolment status
See 'Course enrolment status'.

Enrolment Variation
Students may vary their enrolment at the start of each semester. Each faculty determines its deadlines for variations, but student-contribution liability depends on the Commonwealth census date.
See also 'Commonwealth Supported Place'.

Examination
A set of questions or exercises evaluating on a given subject given by a department or faculty.
See also 'Examination period', 'Assessment'.

Examination period
The time set each semester for the conduct of formal examinations.

Examiner (Coursework)
The person assessing a student or group of students, for example through written/oral examination, coursework assignments, presentations.

Exchange student
Either a University of Sydney student participating in a formally agreed program involving study at an overseas university, or an overseas student studying here on the same basis. The International Office provides administrative support for some exchanges.

Exclusion
A faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show good cause' why the student should be allowed to re-enrol. If the faculty deems the student's explanation unsatisfactory, or if the student does not provide an explanation, the student may be excluded either from a unit of study or from a course or faculty. An excluded student may apply to the faculty for permission to re-enrol. Normally, at least two years must have elapsed before such an application would be considered. University policy relating to exclusions is set out in the *Calendar*.
See also 'Progression', 'Senate appeals'.

Exemption
A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment.
See also 'Credit', 'Waiver'.

Expulsion
The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:

- the student is not allowed to be admitted or to re-enrol in any course at the University
- the student does not receive their results
- the student is not allowed to graduate
- the student does not receive a transcript or testamur.

Extended semester
A distance-learning student may be allowed more time to complete a module or program if circumstances beyond the student's control, such as drought, flood or illness, affect the student's ability to complete the module or program in the specified time.
See also 'Distance education'.

External
See 'Attendance mode', 'Distance education'.

External transcript
A certified statement of a student's academic record printed on official University security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all units of study attempted within each course together with the result. It also acknowledges prizes the student has received. Marks can be included or omitted, as required.
See also 'Academic transcript', 'Internal transcript'.

F

Faculty
A formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The *University Calendar* sets out the constitution of each of the University's faculties.
See also 'Board of Studies', 'Supervising faculty'.

Faculty handbook
The annual University publication for each faculty which provides detailed information about the faculty, its courses and resolutions.

FEE-HELP
An eligible student in a postgraduate course or in a bridging study course (for overseas-trained professionals) can apply for assistance (in the form of a loan) in paying all or some of their tuition fees.

Fee-paying students
Students who pay tuition fees to the University and are not liable for student contributions to a Commonwealth Supported Place. The Commonwealth does not contribute towards the cost of the education of fee-paying students. Annual fees vary between the faculties. Students pay a per semester fee.

Fellows of Senate
Members of the governing body of the University who are either elected, appointed or ex-officio.

Flexible learning
See 'Delivery mode', 'Distance education'.

Flexible start date
Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or Commonwealth-supported students.

Flexible Student Information System (FlexSIS)
The computer-based Flexible Student Information System at the University of Sydney.

FlexSIS holds details of courses and units of study being offered by the University and the complete academic records of all students enrolled at the University.

Formative assessment
See also 'Assessment'.

Full-time student
See 'Attendance pattern', 'EFTSU'.

G

Grade
The outcome for a unit of study linked with a mark range. For example, a mark in the range 85–100 attracts the grade 'high distinction' (HD).
See also 'Mark'.

Graduand
A student who has completed all the requirements for an award course but has not yet graduated.
See also 'Graduation', 'Potential graduand'.

Graduate
A person who holds an award from a recognised tertiary institution.
See also 'Graduand', 'Graduation'.

Graduate certificate
See 'Award course'.

Graduate diploma
See 'Award course'.

Graduate-entry degree
A bachelor's, or undergraduate degree, that requires another undergraduate degree as a prerequisite of entry. Examples of graduate-entry degrees at the University of Sydney include the Medical Program, Graduate Law and the Bachelor of Dentistry.

Graduation
The formal conferring of awards either at a ceremony or in absentia.
See also 'In absentia', 'Potential graduand'.

Graduation ceremony
A ceremony where the Chancellor confers awards upon graduands.

Group of Eight (G08)
The Group of Eight represents Australia's major research-intensive universities and membership comprises the vice-chancellors (presidents) of the Australian National University, Monash University, the University of Adelaide, the University of Melbourne, the University of New South Wales, the University of Queensland, the University of Sydney, and the University of Western Australia.

The Group of Eight works to ensure a consistent and sustainable policy environment which maximises the wide-ranging economic, social and cultural benefits to the Australian community of higher education and which ensures Australian universities are recognised as among the best in the world.

Group work
Means a formally established project to be conducted by a number of students in common, resulting in a single piece of assessment or a number of associated pieces of assessment.
See also 'Legitimate cooperation'.

H

Handbook
See 'Faculty handbook'.

Head of department/Head of school (HOD/HOS)
The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher Education Contribution Scheme (HECS)
The Higher Education Contribution Scheme (HECS) was the previous Commonwealth Government student loan scheme. It ceased to operate on 1 January 2005 and was replaced by HECS-HELP (see below).

HECS-HELP
An eligible student in a Commonwealth Supported Place can apply for assistance in paying their student contribution. This may take the form of a HECS-HELP loan to pay all or some of the student contribution, or a HECS-HELP discount if all (or at least $500) of the student contribution is paid by the census date.

Honorary degrees
A degree *honoris causa* (translated from the Latin as 'for the purpose of honouring') is conferred on a person whom the University wishes to honour.

Honours
Some degrees may be completed 'with honours'. This may involve the completion of a separate honours year, additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a class (Class I, Class II – which may have two divisions or, Class III).

NSW Higher School Certificate (HSC)
The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

I

In absentia
Latin for 'in the absence of'. Awards are conferred *in absentia* when graduands do not, or cannot, attend the graduation ceremony scheduled for them. Those who have graduated *in absentia* may later request that they be presented to the Chancellor at a graduation ceremony.
See also 'Graduation'.

Instrumental supervisor/teacher
All students at the Sydney Conservatorium of Music have an instrumental teacher appointed.
See also 'Adviser', 'Associate supervisor', 'Research supervisor', 'Supervision'.

Internal mode
See 'Attendance mode'.

Internal transcript
A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course, together with the unit of study result.
See also 'Academic transcript', 'External transcript'.

International student
Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. An international student is required to hold a visa that allows study in Australia and may be liable for international tuition fees.

Fee-paying
A private international student who is liable to pay tuition fees for their studies with the University.

Fee-paying – outgoing exchange
An international fee-paying student undertaking short term study at a recognised overseas institution with which the University has a student exchange agreement. Exchange study counts towards the student's University of Sydney award and students remain enrolled in their University of Sydney course during the period of exchange.

International – cross-institutional
An international fee paying student undertaking non-award study at the University on a cross-institutional basis. They are liable to pay fees for the study they undertake at the University, but there is no compliance reporting requirement, which rests with their 'home' institution.

International – sponsored
A private international student who is fully sponsored for his/her tuition; his/her sponsorship may also include overseas health cover and compulsory subscriptions.

Offshore studies
International offshore students undertake their program of study at one of the University's offshore campuses and do not enter Australia. Therefore they do not require a visa. They are distinct from international students who are on outbound exchange programs as they never enter Australia during their program of study.

Short course
An international fee-paying student undertaking a short course with the University of Sydney such as international development programs, executive training or study visits. The study undertaken by these students is non-award and generally a student visa is not required.

Sponsored award
An international student sponsored by the Australian government, undertaking a program of study at the University. Currently Australian Development Scholarships holders, funded by AusAID, are the only students in this category. These students are fully sponsored for their tuition and other costs such as travel and health cover, and are paid a stipend.

Study Abroad
An international student who is undertaking short-term study at the University under the Study Abroad scheme. Study Abroad students must have completed at least one year of study towards a degree at a recognised institution in their home country and are continuing towards the degree of their home institution.
See also 'Local student', 'Student type'.

L

Learning entitlement
Each student has a seven-year full-time period during which they can remain Commonwealth-supported. This seven year period is called their 'learning entitlement'.

Leave
See 'Course leave'.

Legitimate cooperation
Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through student interaction.
See also 'Group work'.

Life membership
Life membership is no longer offered by the University of Sydney Union (USU). However, existing life Members continue to enjoy the right to vote in USU elections and at USU general meetings. Like all members, life members are encouraged to stand for election to the USU Board. Similarly, life members, once they have paid the appropriate annual fees, are able to enjoy the benefits of the Access Benefits program.

Load
The sum of the weights of all the units of study in which a student is enrolled. The weight is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent full-time student units (EFTSU).
See also 'Equivalent full-time student units (EFTSU)'.

Local student
Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their Higher Education Contribution Scheme (HECS) fees upfront.
See also 'Domestic student', 'International student'.

M

Major
A field of study, chosen by a student, to represent their principal interest. This would consist of specified units of study from later stages of the award course. Students select and transfer between majors by virtue of their selection of units of study. One or more majors may be awarded upon the graduand's assessment of study.
See also 'Award course', 'Minor', 'Stream'.

Major timetable clash
The term used when a student attempts to enrol in units of study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units simultaneously.

Mark
An integer (rounded if necessary) from 0 to 100 indicating a student's performance in a unit of study.
See also 'Grade'.

Master's degree
A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an honours year at an undergraduate level.
See also 'Award course'.

Method of candidature
A course is either a research course or a coursework course and so the methods of candidature are 'research' and 'coursework'.
See also 'Course (Coursework)', 'Course (Research)'.

Mid-year intake
Admission to degree programs for Semester Two.

Minor
Studies undertaken to support a major. Requiring a smaller number of credit points than a major, students select and transfer between minors (and majors) by virtue of their selection of units of study. One or more minors may be awarded upon the graduand's assessment of study.
See also 'Award course', 'Major', 'Stream'.

Mixed mode
See 'Attendance mode'.

MPhil
The Master of Philosophy (MPhil) is a master's by research degree offered by some (but not all) of the University's faculties.
See also 'Award course', 'Master's degree'.

Mutually exclusive units of study
See 'Prohibited combinations of units of study'.

MyUni
The University of Sydney's student portal system. It provides access to email, library services, student self-administration, support services, e-learning software such as Blackboard and WebCT, as well as information about the University and its courses.

N

Non-award course
See 'Course'.

Non-standard session
A teaching session other than the standard February and August sessions – such as Sydney Summer School or Winter School, in which units of study are delivered and assessed in an intensive mode during January or July respectively.
See also 'Semester', 'Session'.

O

Orientation Week
Orientation or 'O Week', takes place in the week before lectures begin in Semester One. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

P

Part-time student
See also 'Attendance mode', 'Attendance pattern', 'Equivalent full-time student units (EFTSU)'.

Permanent home address
The address used for all official University correspondence with a student, both inside and outside of semester time (for example during semester breaks), unless the student provides a different address for use during the semester.
See also 'Semester address'.

PhD
The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study.
See also 'Award course', 'Doctorate'.

Plagiarism
Presenting another person's ideas, findings or work as one's own by copying or reproducing them without acknowledging the source.
See also 'Academic dishonesty'.

Policy Online
The website which provides access to the University's current policies, procedures and guidelines.

Postgraduate
A term used to describe a course leading to an award such as graduate diploma, a master's degree or PhD which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course.
See also 'Course (Coursework)', 'Course (Research)'.

Postgraduate Education Loans Scheme (PELS)
An interest-free loans facility for eligible students who are enrolled in fee-paying, postgraduate non-research courses. It is similar to the deferred payment arrangements available under the Higher Education Contribution Scheme (HECS). This scheme was replaced by the FEE-HELP scheme on 1 January 2005.
See also 'FEE-HELP'.

Potential graduand
A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies.
See also 'Graduand', 'Graduation'.

Pre-enrolment
Pre-enrolment – also known as provisional re-enrolment – takes place in October, when students indicate their choice of unit of study enrolment for the following year. After results are approved, pre-enrolment students are regarded as enrolled in those units of study for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing and comply with other requirements by the due date. Students who do not successfully pre-enrol in their units of study for the next regular session are required to attend the University on set dates during the January/February enrolment period.
See also 'Enrolment'.

Prerequisite
A unit of study that is required to be successfully completed before another unit of study can be attempted. Prerequisites can be mandatory (compulsory) or advisory.
See also 'Assumed knowledge', 'Corequisite', 'Waiver', 'Qualifier'.

Prizes
Awarded in recognition of outstanding performance, academic achievement or service to the community or University.

Probationary candidature
A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department/school is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

Professional practice
Some students undertake placement in a professional practice as part of their course requirements. This may require University-approved supervision. Professional placements are located in a wide range of professional practices environments, and may not require additional criteria to be fulfilled.

Progression
Satisfactory progression is satisfying all course and faculty rules (normally assessed on an annual basis) to enable the completion of the chosen award within the (maximum) completion time allowed.
See also 'Exclusion'.

Prohibited combinations of units of study
When two or more units of study contain a sufficient overlap of content, enrolment in any one such unit prohibits enrolment in any other identified unit.
See also 'Unit of study'.

Provisional re-enrolment
See 'Pre-enrolment'.

Q

Qualification
An academic attainment recognised by the University.

Qualifier
A mandatory (compulsory) prerequisite unit of study which must have a grade of pass or better.
See also 'Assumed knowledge', 'Corequisite', 'Prerequisite', 'Waiver'.

R

Recycling
The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

Registration
In addition to enrolling with the faculty in units of study, students must register with the department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of units attempted by the student.

Research course
See 'Course (Research)'.

Research supervisor
A supervisor is appointed to each student undertaking a research postgraduate degree. The supervisor will be a full-time member of the academic staff or a person external to the University recognised for their association with the clinical teaching or the research work of the University. A research supervisor is commonly referred to as a supervisor.
See also 'Advisor', 'Associate supervisor', 'Supervision', 'Instrumental supervisor/teacher'.

Result processing
Refers to the processing of assessment results for units of study. For each unit of study, departments/schools tabulate results for all assessment activities and assign preliminary results.
See also 'Assessment', 'Formative assessment', 'Examination period', 'Summative assessment'.

Result processing schedule
The result processing schedule will be determined for each academic cycle. All schools and faculties are expected to comply with this schedule.
See also 'Assessment', 'Examination period', 'Result processing'.

Result
The official statement of a student's performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a mark and grade.
See also 'Grade', 'Mark'.

Research Training Scheme (RTS)
The RTS provides Commonwealth-funded higher degree by research (HDR) students with an 'entitlement' to a HECS exemption for the duration of an accredited HDR course, up to a maximum period of four years full-time equivalent study for a doctorate by research and two years full-time equivalent study for a master's by research.

S

Scholarships
Financial or other form of support made available to enable students to further their studies.
See also 'Bursaries'.

School
A school or academic unit shall encourage and facilitate teaching, scholarship and research, and coordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

Semester
A half-yearly teaching session, the dates for which are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard session) must be given special permission by the Academic Board.
See also 'Session', 'Non-standard session'.

Semester address
The address to which all official University correspondence is sent during semester time, if it is different to the permanent address.

Senate
The governing body of the University. See the University Calendar for more details of its charter and powers.

Session
Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester One or Two for DEST reporting purposes.

Session offerings are approved by the relevant dean, taking into account all the necessary resources, including teaching space and staffing. The Academic Board must approve variation to the normal session pattern.
See also 'Semester', 'Non-standard teaching period'.

Session address
See 'Semester address'.

Short course
A fee-paying student undertaking a short course with the University of Sydney comprising professional development, executive training etc. The study undertaken by these students is a non-award course.

Show cause
See 'Progression', 'Exclusion'.

Special consideration
Candidates who suffer serious illness or misadventure which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

Special Studies Program (SSP)
A period of release from normal duties to allow academic staff to undertake a planned program of academic activity and development.

Sponsorship
Financial support of a student by a company or government body.

Stage
A normal full-time course of study taken in a year.
See also 'Course rules', 'EFTSU', 'Progression'.

Strategic Directions
See also 'University Strategic Directions'.

Stream
A defined award course, which requires the completion of set units of study as specified by the course rules for the particular stream, in addition to the core program specified by the course rules. A stream will appear with the award course name on testamurs, eg Bachelor of Engineering in Civil Engineering (Construction Management).
See also 'Award course', 'Major', 'Minor'.

Student
Student means a person enrolled as a candidate for an award course or unit of study.

Student Appeals Body
Any student may appeal to the Student Appeals Body against an academic decision on the ground that due academic process has not been observed by the relevant faculty in relation to the academic decision.
See also 'Appeals', *University of Sydney (Student Appeals against Academic Decisions) Rule 2006*.

Student Disciplinary Appeals Committee
Any student may appeal to the Student Disciplinary Appeals Committee against a misconduct determination by the Vice-Chancellor or a Student Proctorial Board.
See also 'Appeals'.

Student identifier (SID)
A nine-digit number which uniquely identifies a student at the University.

Student ID Card
All students who enrol are issued with an identification card. The card includes the student's name, SID, the course code, a library borrower's bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student progress rate (SPR)
A calculation which measures the rate at which load undertaken is passed annually in each award program.

Student type
Student type identifies whether a student is local or international and the type of study the student is undertaking.
See also 'International student', 'Domestic student', 'Exchange student'.

Study Abroad program
A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution.
See also 'Exchange student'.

Subject area
A unit of study may be associated with one or more subject areas. The subject area can be used to define prerequisite and course rules, for example the unit of study 'History of Momoyama and Edo Art' may count towards the requirements for the subject areas 'Art History and Theory' and 'Asian Studies'.

Summative assessment
See 'Assessment'.

Summer School
See 'Sydney Summer School'.

Supervising faculty
The faculty that has the responsibility for managing the academic administration of a particular course, such as the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising faculty is the faculty offering the course.

However, in the case of combined courses, one of the two faculties involved will usually be designated the supervising faculty. Further, in the case where one course is jointly offered by two or more faculties (such as the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

Supervision
A one-to-one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the role.
See also 'Adviser', 'Associate supervisor', 'Research supervisor', 'Instrumental supervisor/teacher'.

Suppression of results
Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University; or the student is facing disciplinary action. A student may also request a suppression for personal reasons.

Suspension
See also 'Course leave'.

Sydney Summer School
A program of accelerated, intensive study running for approximately six weeks during January and February each year. Both undergraduate and postgraduate units are offered. Summer School provides an opportunity for students at Sydney and other universities to catch up on needed units of study, to accelerate completion of a course or to undertake a unit that is outside their award course.

All units attract full fees and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

Sydney Winter School
An intensive session offered by the University in July during the mid-year break.

T

Teaching department
See 'School'.

Teaching end date
Official finish date of formal timetabled classes.

Teaching start date
Official commencement date of formal timetabled classes.

Terminated
Term used when a student's candidature has been officially closed because they are not able to complete the course requirements.
See also 'Candidature'.

Testamur
A certificate of award provided to a graduand, usually at a graduation ceremony. The award conferred will be displayed along with other appropriate detail.

Thesis
A major work that is the product of an extended period of supervised independent research.
See also 'Course (Research)'.

Timetable
The schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript
See 'Academic transcript'.

Transfer
See 'Course transfer'.

Tuition fees
Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

U

Universities Admissions Centre (UAC)
The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing, local undergraduate students at the University apply through the UAC.

Universities Admission Index (UAI)
A measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC, and is a number between 0.00 and 100.00 with increments of 0.05.

Under examination
Indicates that a research student has submitted their written work (thesis) for assessment, and is awaiting the finalisation of the examiners' outcome and recommendation.

Undergraduate
A term used to describe both a course leading to a diploma or bachelor's degree and a student enrolled in such a course.

Unit of study
Unit of study or unit means a stand-alone component of an award course. Each unit of study is the responsibility of a department.
See also 'Prohibited combinations of unit of study'.

Unit of study enrolment status
This indicates whether the student is still actively attending the unit of study (currently enrolled) or is no longer enrolled.
See also 'Discontinuation' or 'Cancellation'.

Unit of study level
Units of study are divided into Junior, Intermediate, Senior, Honours, Year 5, and Year 6. Most majors consist of 32 Senior credit points in a subject area (either 3000 level units of study or a mix of 2000 and 3000 level units of study).

University
Unless otherwise indicated, 'University' in this document refers to the University of Sydney.

University Calendar
The annual University publication, also available online, which provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Senate resolutions relating to constitutions in each faculty.

University Medal
A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate honours degree (or some master's degrees), whose academic performance is judged to be outstanding.

University Strategic Directions
This refers to the University of Sydney *Strategic Plan* 2007–2010.

Upgrade
Where a student enrolled in a master's by research course is undertaking research at such a standard that either the University recommends that the student upgrade their degree to a PhD, or the student seeks to upgrade to a PhD and this is supported by the University.

V

Variation of enrolment
See 'Enrolment variation'.

Vice-Chancellor and Principal
The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

W

Waiver
In a prescribed course, a faculty may waive the prerequisite or corequisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course.
See also 'Credit', 'Exemption'.

Winter School
See 'Sydney Winter School'.

Weighted average mark (WAM)
This mark uses the unit of study credit point value in conjunction with an agreed 'weight'. The formula for this calculation is:

$$WAM = \frac{\sum (W_c \times M_c)}{\sum (W_c)}$$

Where Wc is the weighted credit point value, ie the product of the credit point value and the level of weighting of 1, 2, 3, or 4 for a first, second, third or fourth year unit of study respectively; and where Mc is the greater of 45 or the mark out of 100 for the unit of study.

The mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0.

Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations. However, the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

In addition, faculties may adopt other average mark formulae for specific progression or entry requirements. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. See also 'WAM weight'.

WAM weight
A weight assigned to each unit of study to assist in the calculation of WAMs.

Y

Year of first enrolment (YFE)
The year in which a student first enrols at the University.
See also 'Commencement date'.

Youth Allowance
Youth allowance is payable to a full-time student or trainee aged 16–24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact.

Index by alpha code

A

AHCD1006 Study Skills, **75, 122**
AHCD1009 Anatomy Support (A), **75, 123**
AHCD1010 Anatomy Support (B), **75, 123**
AHCD1011 Biological Sciences Orientation, **75, 123**
AHCD1012 Biological Sciences Support (A), **75, 123**
AHCD1013 Biological Sciences Support (B), **75, 123**
AHCD1014 Physics Support, **75, 123**
AHCD1015 Research Methods Support (1), **75, 123**
AHCD1016 Professional Studies Support (1A), **75, 123**
AHCD1017 Professional Studies Support (1B), **75, 123**
AHCD1018 Biomechanics Support (1), **75, 123**
AHCD1019 Neurobiology Support, **75, 123**
AHCD1020 Behavioural Sciences Support (A), **75, 123**
AHCD1021 Behavioural Sciences Support (B), **75, 124**
AHCD1032 Introduction to Counselling Skills, **74, 126**
AHCD1057 Biological Sciences Support, **75, 124**
AHCD1058 Maths Workshop A, **76, 124**
AHCD1059 Academic Skills Workshop A, **76, 124**
AHCD1060 Human Biology Workshop A, **76, 124**
AHCD1061 Aboriginal Studies A, **76, 124**
AHCD1062 Anatomy Workshop A, **76, 124**
AHCD1063 Behavioural Science Workshop A, **76, 124**
AHCD1064 Mathematics Workshop B, **76, 124**
AHCD1065 Academic Skills Workshop B, **76, 124**
AHCD1066 Human Biology Workshop B, **76, 125**
AHCD1067 Aboriginal Studies B, **76, 125**
AHCD1068 Anatomy Workshop B, **76, 125**
AHCD1069 Behavioural Science Workshop B, **76, 125**
AHCD2008 Biomechanics Support (2), **75, 125**
AHCD2009 Professional Studies Support (2), **75, 125**
AHCD2011 Research Methods Support (2B), **75, 125**
AHCD2015 Primary Health Care II, **74, 126**
AHCD2020 Professional Practice II, **74, 125**
AHCD2022 Introduction to Health Research, **74, 126**
AHCD3008 Indigenous Community Health Project A, **74, 125**
AHCD3009 Professional Practice III, **74, 125**
AHCD3016 Writing a Research Proposal, **54, 132**
AHCD4001 Indigenous Community Health Project B, **74, 125**
AHCD4002 Professional Practice IV, **74, 125**
AHCD4014 Current Issues in Health, Law & Medicine, **74, 126**
AHCD4018 Action Research, **74, 126**
AHCD4032 Health Planning, Policy and Evaluation A, **74, 126**
AHCD4034 Indigenous Community Health Promotion A, **74, 126**
AHCD4035 Primary Health Care III, **74, 126**
AHCD4042 Wellness, **74, 126**
AHCD4049 Skills for Teaching Health, **74, 126**
AHCD4052 Honours Workshop, **53, 54, 126, 132**
AHCD4053 Human Rights and Social Justice, **74, 126**
AHCD5002 Program Planning and Evaluation, **281, 311**
AHCD5039 Health Promotion, **184, 309, 311**
AHCD5048 Action Research, **311**
AHCD5052 Indigenous Community Health, **183, 184, 237, 281, 309, 311**
AHCD5054 Indigenous Health: Research & Evaluation, **184, 311**
AHCD5060 Community Development B, **184, 312**
AHCD5070 Indigenous Primary Health Care, **184, 312**
AHCD5071 Contemporary Issues in Indigenous Health, **184, 312**

B

BACH1031 Clients, Practitioners and Organisations, **107, 108, 112, 127**
BACH1130 Foundations of Health Sociology, **57, 59, 72, 86, 88, 96, 98, 107, 108, 112, 121, 127, 128, 129, 130, 149, 168**
BACH1132 Foundations of Health Psychology, **86, 87, 88, 96, 106, 107, 108, 112, 127, 128, 168**
BACH1133 Introduction to Health Psychology, **86, 87, 88, 96, 98, 107, 108, 112, 127, 128, 149**
BACH1134 Health, Illness and Social Inquiry, **88, 98, 121, 129, 130, 149**
BACH1143 Designing Health Research, **51, 86, 96, 122, 127, 130, 168, 209, 252, 311, 316, 344**
BACH1145 Quantitative Health and Social Research, **51, 86, 101, 102, 106, 108, 112, 122, 127, 130, 209, 252, 311, 316, 344**
BACH1147 Qualitative Health and Social Research, **72, 87, 127, 252, 311, 344**
BACH1148 Health, Attitudes and Interaction, **107, 108, 112, 127**
BACH1159 Cognitive Factors in Health, **106, 108, 112, 128**
BACH1161 Introductory Behavioural Health Sciences, **57, 58, 59, 63, 67, 78, 121, 127, 130**
BACH1165 Psychology and Cognitive Factors (Intro), **109, 110, 127, 128**
BACH2109 Cognitive Neuropsychology I, **107, 108, 112, 121, 128**
BACH2115 Research Methods I, **122, 131**
BACH2126 Maladaptive Behaviours/Behaviour Change, **87, 88, 96, 106, 108, 112, 128**
BACH2127 Health Policy and Service Delivery, **72, 86, 128**
BACH2128 Cognition and Cognitive Impairment, **86, 128**
BACH2137 Health Policy Development, **121, 128, 129**
BACH2140 Research Methods for Health Sciences, **78, 80, 128, 155**
BACH2142 Cognitive Neuropsychology, **110, 128**
BACH2143 Counselling &Behaviour Management for CD, **110, 128**
BACH3055 Cognitive Neuropsychology II, **107, 108, 112, 121, 128**
BACH3056 Patient Management Theories/Applications, **106, 108, 112, 128**
BACH3059 Research Methods II, **131**
BACH3075 Health Psychology, **121, 129**

BACH3077 Workplace Attachment, **46, 129**
BACH3081 Sociology of Sport, **57, 59, 121, 129, 130**
BACH3082 Sociology of the Aged and Ageing, **121, 129**
BACH3095 Ageing Society and Professional Practice, **102, 121, 129**
BACH3096 Older People in the Community, **102, 121, 129**
BACH3126 Research Project Development, **122, 129**
BACH3127 History & Philosophy of Science, **121**
BACH3130 Sport, Society & Social Theory, **57, 59, 121, 130**
BACH3132 Contemporary Issues in Health & Medicine, **102, 130**
BACH3133 Health Planning, Policy and Evaluation, **102, 130**
BACH3143 Counselling Skills, **46, 130**
BACH3144 Psychology and Mental Health, **121, 129**
BACH3146 Cyberpsychology and e-Health, **102, 121, 130**
BACH4017 Epidemiological Research, **122, 130**
BACH4019 History and Philosophy of Science, **122, 130**
BACH4043 Intermediate Statistics, **122, 130**
BACH4045 Qualitative Research Methods, **102, 122, 131**
BACH4046 Survey Research Methods, **122, 131**
BACH4047 Developing a Research Project, **91, 122, 131**
BACH4055 Intermediate Statistics, **122, 131**
BACH4056 Qualitative Research Methods, **54, 131**
BACH4057 Survey Research Methods, **54, 131**
BACH4071 Evidence Based Health Care Research, **122, 131**
BACH4072 Behavioural Epidemiology, **122, 131**
BACH4073 Metabolic Epidemiology, **122, 131**
BACH4080 Research Thesis Support, **54, 132**
BACH4082 Research Project: Data Collection, **53, 132**
BACH4083 Research Project: Interpretation, **54, 132**
BACH4084 Special Investigation, **54, 132**
BACH5001 Adult Learning, **206, 207, 208, 209, 294, 296, 309, 310, 312, 316, 317**
BACH5002 Educational Design, **206, 207, 208, 209, 229, 241, 294, 309, 310, 312, 316, 317**
BACH5003 Facilitating Learning, **209, 294, 312**
BACH5007 Curriculum Leadership, **209, 294, 309, 312**
BACH5011 Survey Research Methods, **209, 300, 311, 313**
BACH5022 Independent Investigation II, **209, 309, 313**
BACH5024 In-service and Continuing Education, **316**
BACH5026 Special Investigation, **182, 183, 185, 187, 189, 190, 209, 214, 218, 252, 253, 300, 302, 311, 313**
BACH5027 Mental Health in Later Life, **182, 296, 309, 313**
BACH5036 Community Aged Care, **182, 183, 296, 309, 313**
BACH5041 Introduction to Gerontology, **295, 313**
BACH5042 Teaching Clinical Reasoning, **209, 241, 294, 309, 313**
BACH5058 Residential Care Policies and Services, **296, 309, 313**
BACH5063 Therapies for Children and Adolescents, **208, 309, 313**
BACH5068 Statistics for Clinical Research, **222, 223, 224, 225, 226, 227, 228, 229, 300, 311, 313, 333**
BACH5085 Clinical Teaching and Supervision, **208, 240, 245, 294, 309, 314**
BACH5116 Building eLearning Contexts in Health, **294, 309, 314**
BACH5118 Learning in Groups, **208, 309, 314**
BACH5138 Abnormal Psychology and Mental Health, **208, 309, 314**
BACH5139 Behaviour Mod & Cog Behavioural Therapy, **208, 309, 314**
BACH5143 Counselling, **208, 309, 310, 314, 317**
BACH5147 Psychology of Ageing, **182, 189, 309, 314**
BACH5151 Independent Investigation I, **208, 309, 315**
BACH5153 Assessment of Learning, **208, 294, 309, 315**
BACH5165 Post Trauma Stress, **209, 310, 315**
BACH5180 Stress and Illness: Management Issues, **209, 310, 315**
BACH5186 Professional Development Skills, **181, 182, 185, 186, 187, 188, 189, 209, 241, 294, 296, 310, 315**
BACH5196 International Health and Society, **209, 310, 315**
BACH5198 Contemporary Issues 1, **208, 310, 315, 316**
BACH5200 Contemporary Issues 2, **208, 310, 315**
BACH5216 Behavioural Aspects of Ageing, **296, 316**
BACH5224 Organisational Management, **209, 296, 310, 316**
BACH5253 Intermediate Statistics, **209, 300, 316**
BACH5255 Qualitative Research Methods, **209, 228, 300, 311, 316**
BACH5263 Dissertation, **203, 204, 207, 208, 295, 296, 316**
BACH5268 Developing a Research Project, **258, 350, 351**
BACH5284 Learning in the Workplace, **209, 294, 310, 316**
BACH5298 History and Philosophy of Science, **209, 245, 311, 316**
BACH5300 Action Research, **209, 316**
BACH5302 Epidemiological Research, **209, 311, 317**
BACH5309 Assessment of Children and Adolescents, **208, 310, 317**
BACH5313 Child and Adolescent Psychology, **208, 310, 317**
BACH5321 Psychology for Graduate Students, **209, 237, 310, 315, 317**
BACH5322 Sociology for Health Professionals, **310**
BACH5323 Advanced Counselling Skills, **208, 310, 317**
BACH5324 Psychotherapy, **208, 310, 317**
BACH5328 Evaluating Health Interventions, **209, 300, 311, 317**
BACH5336 Lecturing and Large Group Teaching, **208, 294, 310, 317**
BACH5338 Cyberpsychology and Online Health, **209, 228, 310, 318**
BACH5340 Healthy Behaviours-Promoting Self Change, **213, 214, 216, 310, 318**
BACH5341 Research & Inquiry in Health Professions, **181, 182, 184, 185, 186, 187, 188, 189, 190, 191, 192, 201, 209, 213, 214, 216, 218, 222, 223, 225, 226, 227, 228, 229, 232, 233, 234, 235, 236, 237, 249, 250, 252, 258, 259, 311, 318, 327, 332, 333, 350, 351**
BACH5343 Ageing and Society, **182, 189, 310, 318**
BCHM2072 Human Biochemistry, **57, 58, 61, 64, 132, 145**
BCHM3072 Human Molecular Cell Biology, **62, 64, 132**
BCHM3082 Medical and Metabolic Biochemistry, **62, 64, 132**
BHSC3003 Honours Research Proposal, **47**
BHSC3014 Honours Research Proposal, **47, 133**
BHSC4001 Honours Research Seminar 1, **47**

BHSC4002 Honours Research Seminar 2, **47**

BHSC4003 Honours Thesis/Research Report A, **47**

BHSC4004 Honours Thesis/Research Report B, **47**

BIOL1003 Human Biology, **48, 49, 50, 133, 134**

BIOS1116 Speech Science I, **48, 48, 107, 107, 108, 108, 109, 109, 112, 112, 113, 113, 134, 134, 139, 139**

BIOS1117 Speech Science II, **107, 107, 108, 108, 112, 112, 113, 113, 139, 139**

BIOS1118 Hearing Science, **113, 113, 140, 140**

BIOS1126 Human Biology and Biochemistry, **86, 86, 133, 133**

BIOS1127 Body Systems I, **58, 58, 63, 63, 67, 67, 86, 86, 98, 98, 121, 121, 133, 133, 135, 135**

BIOS1130 Molecules and Energy, **57, 57, 61, 61, 67, 67, 96, 96, 135, 135, 144, 144**

BIOS1132 Neuroscience I, **109, 109, 135, 135**

BIOS1133 Body Systems: Structure and Function I, **57, 57, 61, 61, 63, 63, 96, 96, 145, 145, 169, 169**

BIOS1136 Functional Anatomy A, **86, 86, 87, 87, 96, 96, 121, 121, 122, 122, 133, 133, 136, 136, 144, 144, 168, 168, 169, 169**

BIOS1137 Introductory Neuroscience, **49, 49, 57, 57, 58, 58, 61, 61, 63, 63, 64, 64, 67, 67, 68, 68, 99, 99, 121, 121, 122, 122, 133, 133, 135, 135, 136, 136, 144, 144, 262, 262, 319, 319**

BIOS1139 Functional Anatomy B, **86, 86, 87, 87, 121, 121, 122, 122, 133, 133, 136, 136, 144, 144**

BIOS1141 Neuroscience II, **86, 86, 109, 109, 113, 113, 121, 121, 133, 133, 135, 135, 140, 140**

BIOS1144 Functional Anatomy B (Physiotherapy), **96, 96, 122, 122, 136, 136, 168, 168**

BIOS1155 Structure, Function and Disease A, **78, 78, 80, 80, 133, 133, 157, 157, 256, 256**

BIOS1158 Structure, Function and Disease B, **78, 78, 134, 134, 157, 157, 256, 256**

BIOS1159 Functional Anatomy A - Exercise Science, **122, 122, 136, 136**

BIOS1160 Functional Anatomy B - Exercise Science, **122, 122, 136, 136**

BIOS1161 Biochemistry and Human Biology, **48, 48, 109, 109, 134, 134**

BIOS1163 Speech Science, **48, 109, 110, 134, 139**

BIOS1165 Hearing Science and Audiology, **48, 109, 110, 134, 139**

BIOS1166 Neuroscience, **48, 58, 61, 64, 99, 109, 110, 134, 135, 139, 144**

BIOS1166 Neuroscience I: Communication Disorders, **48, 109, 134**

BIOS1167 Human Cell Biology, **48, 58, 61, 63, 64, 67, 78, 89, 98, 99, 109, 121, 134, 135, 144**

BIOS1168 Functional Musculoskeletal Anatomy A, **49, 58, 63, 67, 89, 98, 121, 122, 134, 136, 262, 320**

BIOS1169 Functional Musculoskeletal Anatomy B, **49, 58, 63, 67, 98, 121, 122, 134, 136, 262, 320**

BIOS1170 Body Systems: Structure and Function, **58, 63, 67, 98, 121, 135**

BIOS1171 Neuroscience, **49, 58, 63, 68, 89, 99, 121, 135**

BIOS1172 Biological Aspects of Ageing, **121, 135**

BIOS1173 Disease in Ageing, **121, 135**

BIOS2062 Neurobiology II: Communication Disorders, **107, 107, 108, 108, 113, 113, 139, 139, 140, 140, 141, 141**

BIOS2062 Neuroscience II: Communication Disorders, **109, 135**

BIOS2096 Body Functions and Disease, **85, 85, 136, 136**

BIOS2098 Body Systems: Structure & Function II, **57, 57, 58, 58, 61, 61, 63, 63, 67, 67, 98, 98, 121, 121, 135, 135**

BIOS2099 Body Systems II and Pharmacology, **58, 58, 63, 63, 67, 67, 96, 96, 98, 98, 121, 121, 135, 135, 169, 169**

BIOS2103 Neurosciences for Physiotherapists, **49, 49, 58, 58, 63, 63, 68, 68, 99, 99, 121, 121, 122, 122, 135, 135, 136, 136**

BIOS2111 Introductory Toxicology, **50, 50, 51, 51, 122, 122, 136, 136**

BIOS3042 Biological Sciences IIIA, **85, 85, 136, 136**

BIOS3043 Biological Sciences IIIB, **85, 85, 136, 136**

BIOS3063 Project Design and Management, **46, 46, 47, 47, 51, 51, 136, 136, 255, 255**

BIOS3065 Anatomical Analysis of Exercise, **122, 122, 136, 136**

BIOS3066 Current Issues in Healthcare, **51, 51, 136, 136**

BIOS3068 Environmental Toxicology, **51, 122, 136**

BIOS4035 Sexuality for Health Professionals, **102, 122, 137**

BIOS5041 Ageing, Biology and Health, **182, 189, 296, 310, 318**

BIOS5047 Biological Sciences, **242, 242, 243, 243, 244, 244, 318, 318**

BIOS5050 Clin Oriented Musculoskeletal Anatomy, **310, 310, 319, 319**

BIOS5055 Neurosciences for Physiotherapists, **262, 262, 319, 319, 358, 358, 359, 359**

BIOS5067 Sexual Health Placement and Supervision, **198, 199, 200, 201, 319, 323**

BIOS5069 Introduction to Sexual Health, **197, 198, 199, 200, 319**

BIOS5070 Communication Skills in Sexual Health, **197, 198, 199, 200, 319, 320**

BIOS5071 Counselling in Sexual Health I, **201, 320**

BIOS5072 Counselling in Sexual Health II, **201, 320**

BIOS5073 Functional Musculoskeletal Anatomy, **262, 262, 320, 320, 358, 358, 359, 359**

BIOS5074 Exploring Sexual Function & Dysfunction, **200, 201, 320, 321**

BIOS5075 Managing Sexual Dysfunctions, **199, 200, 201, 320**

BIOS5076 Understanding Reproductive Health, **201, 321**

BIOS5077 Advanced Reproductive Health, **201, 321**

BIOS5078 Basics of Sexuality in Ageing, **182, 183, 201, 321, 322**

BIOS5079 Advanced Sexuality and Ageing, **182, 183, 201, 321, 322**

BIOS5079 Sexuality and Ageing, **182, 183, 201, 321**

BIOS5080 Law and Ethics in Sexual Health, **202, 322**

BIOS5081 Sexual Assault, **202, 322**

BIOS5082 Understanding Gender and Sexuality, **202, 322**

BIOS5083 Sex, Gender and Sexuality, **202, 322**

BIOS5084 Sexual Attitude Reassessment, **202, 323**

BIOS5085 Principles of Sexual Health Research, **199, 200, 201, 202, 319, 323**

BIOS5086 Sexual Health Research Project, **202, 323**

BIOS5087 Sexual Counselling Practicum, **199, 200, 202, 323**

BIOS5088 Sexuality in Illness and Disability, **201, 323**

BIOS5089 Advanced Musculoskeletal Anatomy, **263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 324, 354, 356**

C

CHEM1001 Fundamentals of Chemistry 1A, **135, 144**

CHEM1101 Chemistry 1A, **58, 61, 63, 64, 99, 137, 144**

CHEM1102 Chemistry 1B, **63, 137**

COMP5138 Relational Database Management Systems, **222, 226, 227, 324**

CSCD1028 Normal Communication Development, **106, 108, 112, 139**

CSCD1029 Articulation and Phonology, **107, 108, 112, 139**

CSCD1030 Clinical Linguistics, **48, 109, 110, 137, 138**

CSCD1031 Clinical Phonetics & Articulation, **48, 109, 137**

CSCD1032 Human Communication, **48, 109, 137, 138**

CSCD1033 Child Phonology, **48, 109, 110, 138**

CSCD2030 Voice Science and Disorders, **107, 108, 139, 140, 141**

CSCD2040 Audiology I, **107, 108, 112, 113, 139, 140, 141**

CSCD2041 Language Impairments in Children I, **107, 108, 113, 139**

CSCD2042 Language Impairments in Children II, **107, 108, 112, 113, 139, 140, 141**

CSCD2046 Audiological Management I, **107, 108, 112, 139, 140**

CSCD2047 Neurogenics I, **106, 108, 113, 139**

CSCD2048 Introductory Clinical I, **107, 108, 112, 139, 140**

CSCD2049 Introductory Clinical II, **107, 108, 112, 113, 139, 140, 141**

CSCD2052 Professional Development IIB, **107, 108, 112, 139, 140**

CSCD2053 Communication Fieldwork I, **107, 108, 112, 139, 140**

CSCD2054 Communication Fieldwork II, **107, 108, 112, 139, 140**

CSCD2057 Child Language, **109, 110, 138**

CSCD2058 Stuttering, **109, 138**

CSCD2059 Clinical Processes, **109, 110, 138**

CSCD2060 Introductory Practice 1: Clinical, **110, 138**

CSCD2061 Introductory Practice 1: Community, **110, 138**

CSCD2062 Motor Speech and Dysphagia, **110, 139**

CSCD2063 Voice and Voice Disorders 1, **110, 139**

CSCD3023 Neurogenics II, **106, 107, 108, 113, 139, 140, 141, 142**

CSCD3024 Communication and Lifelong Disability, **106, 107, 108, 112, 139, 142**

CSCD3032 Professional Development III, **107, 108, 112, 139, 142**

CSCD3034 Craniofacial Anomalies, **107, 108, 112, 139, 142**

CSCD3036 Language Impairments in Children III, **107, 108, 113, 139, 142**

CSCD3037 Swallowing Impairments, **107, 108, 113, 139, 140, 141, 142**

CSCD3049 Audiological Management II, **107, 108, 112, 139, 142**

CSCD3050 Intermediate Clinical IH, **108, 140**

CSCD3051 Honours Research Seminar I, **108, 109, 140, 143**

CSCD3052 Professional Development IIIH, **108, 109, 140, 142**

CSCD3053 Intermediate Clinical IIH, **108, 109, 140, 142**

CSCD3054 Honours Research Seminar II, **108, 109, 140, 143**

CSCD3055 Audiology II, **113, 140**

CSCD3056 Communication Fieldwork III, **112, 140**

CSCD3057 Communication Fieldwork IV, **112, 140**

CSCD3058 Auditory Perception and Processing, **113, 140**

CSCD3059 Communication Studies, **113, 141**

CSCD3060 Readings 1, **113, 141**

CSCD3061 Directed Readings, **113, 141**

CSCD3063 Intermediate Clinical IA, **107, 141**

CSCD3064 Intermediate Clinical IIA, **107, 108, 141, 142, 143, 144**

CSCD3065 Intermediate Clinical IB, **107, 141**

CSCD3066 Intermediate Clinical IIB, **107, 108, 141, 142, 143, 144**

CSCD3068 Directed Readings II, **113, 141**

CSCD3073 Readings II, **113, 141**

CSCD4026 Advanced Topics A, **107, 142**

CSCD4027 Professional Development IVA, **107, 142**

CSCD4028 Advanced Clinical IA, **107, 142, 143**

CSCD4030 Advanced Topics B, **108, 142**

CSCD4031 Professional Development IVB, **108, 142**

CSCD4032 Advanced Clinical IB, **108, 142, 143**

CSCD4035 Advanced Clinical IH, **109, 142**

CSCD4036 Professional Development IVH, **109, 142**

CSCD4037 Advanced Clinical IIH, **109, 142**

CSCD4038 Honours Thesis, **109, 143**

CSCD4039 Honours Paper I, **113, 143**

CSCD4040 Honours Paper II, **113, 143**

CSCD4042 Clinical Mentoring A, **107, 143**

CSCD4043 Clinical Mentoring B, **108, 143**

CSCD4044 Clinical Mentoring H, **109, 143**

CSCD4045 Honours Thesis I, **113, 143**

CSCD4046 Honours Thesis II, **113, 143**

CSCD4047 Advanced Clinical IIA: Adult, **107, 143**

CSCD4048 Advanced Clinical IIA: Child, **107, 143**

CSCD4049 Advanced Clinical IIB: Adult, **107, 144**

CSCD4050 Advanced Clinical IIB: Child, **108, 144**

CSCD5018 Core Studies, **286, 287, 288, 324**

CSCD5019 Speech Pathology Practice (Introduction), **286, 287, 288, 324, 325**

CSCD5020 Articulation and Phonology, **286, 287, 288, 324, 325**

CSCD5021 Language 1, **286, 287, 288, 289, 324, 325**

CSCD5022 Specialist Studies 1, **192, 286, 287, 288, 289, 290, 291, 324, 325**

CSCD5023 Swallowing and Neurogenics 1, **192, 286, 287, 288, 289, 290, 291, 324, 325**

CSCD5024 Language 2, **286, 287, 288, 289, 324, 325**

CSCD5025 Specialist Studies 2, **286, 287, 288, 325**

CSCD5026 Professional Development 1, **286, 287, 288, 289, 325**

CSCD5027 Clinical Practice 1, **286, 287, 288, 289, 290, 324, 325, 326**

CSCD5028 Specialist Studies 3, **192, 287, 288, 289, 290, 291, 324, 325, 326**

CSCD5029 Neurogenics 2, **192, 287, 288, 289, 290, 291, 325, 326**

CSCD5030 Professional Development 2, **287, 288, 289, 290, 325, 326**

CSCD5031 Clinical Practice 2, **192, 287, 288, 289, 290, 324, 325, 326**

CSCD5032 Research Led Practice, **192, 287, 288, 289, 290, 324, 325**

CSCD5033 Applied Clinical Research, **192, 287, 288, 289, 290, 291, 324, 325**

CSCD5035 Professional Development 2H, **288, 289, 290, 325, 326**

CSCD5036 Research in Clinical Practice 1, **289, 290, 326**

CSCD5037 Research in Clinical Practice 2, **290, 326**

CSCD5050 Scholarship in Speech-Language Pathology, **192, 290, 326**

CSCD5051 Trends in Speech-Language Pathology, **192, 290, 326**

CSCD5052 Clinical Review in Speech-Lang Pathology, **192, 290, 326**

CSCD5053 Clinical Practice 3 - Paediatric, **192, 287, 288, 289, 290, 291, 325, 326**

CSCD5054 Clinical Practice 3 - Adult, **192, 287, 288, 289, 290, 291, 325, 326**

CSCD5055 Leadership in Speech Pathology, **192, 326**

D

DHSC7001 Theory in the Health Professions, **300, 302, 311, 326**

DHSC7003 Foundations for Doctoral Studies, **300, 302, 311, 326, 327**

DHSC7005 Developing a Research Proposal, **300, 302, 311, 327**

DHSC7006 Leading in the Health Professions, **300, 302, 327**

E

EXSS1018 Biomechanics of Human Movement, **49, 57, 58, 59, 61, 63, 64, 67, 68, 98, 144, 145, 147**

EXSS1026 Biomechanics A, **96, 168**

EXSS1027 Biomechanics B, **96, 168**

EXSS1028 Muscle Mechanics, **96, 169**

EXSS1029 Muscle Mechanics and Training, **58, 61, 64, 99, 144**

EXSS1031 Cell Metabolism and Biochemistry, **57, 58, 61, 64, 99, 144**

EXSS1032 Fundamentals of Exercise Science, **46, 49, 57, 58, 61, 63, 67, 68, 122, 144, 145, 146**

EXSS1033 Principles of Exercise Science, **57, 58, 61, 63, 145, 146**

EXSS1034 Sport Coaching, **57, 59, 147**

EXSS2015 Kinesiology for Occupational Therapy, **87, 144**

EXSS2016 Motor Control, **57, 59, 61, 67, 144, 147**

EXSS2017 Biochemistry of Exercise, **57, 58, 61, 64, 144, 145, 146**

EXSS2018 Biomechanical Analysis of Movement, **57, 58, 61, 64, 145**

EXSS2019 Exercise Physiology - Acute Responses, **57, 58, 59, 61, 62, 63, 64, 68, 145, 146, 147**

EXSS2021 Nutrition, Health and Performance, **57, 58, 145**

EXSS2022 Exercise Physiology Training Adaptations, **57, 58, 59, 61, 64, 68, 145, 146, 147**

EXSS2024 Applied Physiology, **96, 97, 145, 169**

EXSS2025 Motor Control and Learning, **46, 49, 57, 59, 62, 64, 67, 99, 145**

EXSS2026 Growth, Development and Ageing, **57, 58, 62, 64, 67, 68, 122, 145**

EXSS2027 Exercise Physiology for Clinicians, **46, 49, 57, 59, 61, 62, 64, 67, 68, 99, 146, 147**

EXSS2028 Exercise Physiology and Biochemistry, **58, 146**

EXSS3019 Applied Physiology, **87, 88, 146**

EXSS3023 Exercise Testing and Prescription, **57, 58, 59, 61, 64, 68, 146, 148**

EXSS3024 Exercise, Health and Disease, **57, 58, 59, 61, 62, 64, 68, 146, 148**

EXSS3027 Exercise and Rehabilitation, **57, 58, 59, 62, 64, 68, 146, 148**

EXSS3036 Research and Practice, **57, 146**

EXSS3037 Exercise Pharmacology & Immunology, **57, 58, 59, 62, 64, 147, 148**

EXSS3038 Ergonomics, **57, 58, 59, 68, 147, 148**

EXSS3040 Physiological Testing and Training, **57, 59, 147**

EXSS3041 Management, Marketing and the Law, **57, 59, 102, 147**

EXSS3042 Nutrition for Health, Exercise & Sport, **68, 147**

EXSS3043 High Performance Coaching, **57, 59, 147**

EXSS3044 Biomechanics of Sports Techniques, **58, 59, 147**

EXSS3046 Clinical Exercise Practice, **58, 59, 148**

EXSS3047 Nutrition Practice for Health & Exercise, **62, 148**

EXSS4004 Honours Thesis A, **59, 66, 148**

EXSS4005 Honours Thesis B, **59, 66, 148**

EXSS5029 Exercise Metabolism and Physiology, **212, 213, 214, 215, 216, 217, 218, 310, 327, 328, 329, 330**

EXSS5030 Human Mechanics, **212, 213, 214, 215, 216, 218, 310, 327, 328**

EXSS5036 Exercise for Clinical Populations, **213, 215, 216, 327**

EXSS5044 Advanced Exercise Physiology, **213, 215, 216, 217, 218, 327**

EXSS5046 Sports Biomechanics, **212, 214, 215, 216, 218, 328**

EXSS5047 Nutrition for Health, Exercise and Sport, **214, 215, 216, 218, 328**

EXSS5048 Exercise Throughout the Lifespan, **212, 214, 215, 216, 328**

EXSS5049 Athlete Exercise Testing and Training, **214, 215, 218, 328**

EXSS5050 Human Motor Learning and Control, **212, 214, 215, 216, 218, 328**

EXSS5051 Clinical Biomechanics, **212, 214, 215, 216, 218, 328**

EXSS5055 High Performance Coaching, **214, 215, 218, 329**

EXSS5056 Clinical Exercise Science Practicum 1, **212, 215, 216, 329**

EXSS5057 Clinical Exercise Science Practicum 2, **212, 216, 329**

EXSS5058 Principles of Exercise Programming, **212, 329, 330**

EXSS5059 Professional Practice, **212, 329, 330**

EXSS5060 Advanced Exercise Programming, **212, 329, 330**

EXSS5061 Clinical Exercise Practice, **212, 330**

EXSS5062 Musculoskeletal Principles of Exercise, **212, 330**

EXSS5063 Exercise Dissertation, **213, 217, 219, 330**

G

GSDD5001 Critical Issues-Developmental Disability, **192, 194, 195, 330**

GSDD5004 Multidisciplinary-Collaborative Practice, **192, 196, 330**

GSDD5006 Inquiry Topic, **196, 330**

GSDD5007 Communication & Developmental Disability, **192, 196**

GSDD5009 Dissertation, **196, 330**

GSDD5011 Autism Spectrum Disorders, **192, 196, 330**

GSDD5012 Positive Behaviour Support:Promoting QOL, **196, 331**

GSDD5013 Community Living, **196**

GSDD5014 Parenting with Developmental Disability, **196**

GSDD5015 Physical Health-Developmental Disability, **197**

GSDD5016 Sexuality and Developmental Disability, **197**

GSDD5018 Mental Health - Developmental Disability, **196, 331**

GSDD5019 Literacy - Developmental Disability, **192, 197**

H

HIMT1051 Introduction to Management Principles, **51, 148, 221**

HIMT3032 Epidemiology, **122, 130, 131**

HIMT3056 Management Principles and Practice B, **72, 149**

HIMT3058 Professional Practice B, **72, 149**

HIMT4050 Essentials of Classification B, **72, 148**

HIMT4051 Financial Management in Health Services, **72, 148**

HIMT4052 Contemporary Issues: Health Info A, **72, 148**

HIMT4053 Contemporary Issues: Health Info B, **72, 149**

HIMT4054 Professional Practice C, **72, 149**

HIMT4055 Research Project I, **72, 149**

HIMT4056 Research Project II, **72, 149**

HIMT5023 Fundamentals of Medical Terminology, **221, 223, 224, 225, 228, 229, 237, 310, 331**

HIMT5025 Clinical Trials and Data Management, **223, 224, 225, 331, 332**

HIMT5027 Introduction to Epidemiology, **223, 224, 229, 310, 331**

HIMT5050 International Disease Classifications A, **227, 331**

HIMT5051 International Disease Classifications B, **228, 331**

HIMT5052 Database Management Systems, **224, 225, 331**

HIMT5058 Health Informatics Applications, **222, 223, 226, 227, 228, 331**

HIMT5059 Health Classification Systems, **222, 228, 332**

HIMT5060 Integration of Health Informatics, **222, 223, 226, 227, 228, 229, 332**

HIMT5061 Dissertation, **225, 332**

HIMT5062 Dissertation A, **223, 225, 228, 332, 333**

HIMT5063 Dissertation B, **225, 332**

HIMT5065 Project Management, **222, 223, 224, 225, 226, 227, 228, 229, 332**

HIMT5066 Advanced Clinical Data Management, **224, 225, 332**

HIMT5067 Evidence Based Health Care, **224, 225, 228, 229, 232, 234, 236, 237, 310, 332**

HIMT5069 Health Care Systems, **181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 228, 229, 310, 332**

HIMT5070 Human Resource Management, **221, 310, 332**

HIMT5079 Health Informatics Research Project, **222, 227, 229, 333**

HIMT5084 Nosology, **228**

HIMT5085 Information Systems in Health Care, **221, 226, 227, 333**

HIMT5086 Health Informatics Principles, **221, 226, 227, 333**

HIMT5087 Professional Practice-Health Informatics, **222, 226, 227, 333**

HIMT5088 Health Informatics Evaluation, **222, 223, 226, 227, 228, 333**

HIMT5089 Health Systems Data Analysis, **222, 223, 227, 228, 333**

HIMT5090 Dissertation B, **223, 228, 333**

HIMT5091 Professional Experience, **222, 333**

HIMT5092 International Disease Classification A, **222, 333, 334**

HIMT5093 International Disease Classification B, **222, 333**

HSBH1003 Health, Behaviour and Society, **88, 98, 121, 129, 149**

HSBH1005 Human Development, **122, 149**

HSBH1006 Foundations of Health Science, **47, 48, 49, 50, 149, 221, 256, 276**

HSBH1007 Health Science and Research, **47, 48, 49, 50, 58, 99, 149, 150, 221, 222, 256, 257, 276, 277**

HSBH1008 Health Determinants and Interventions, **47, 48, 49, 50, 149, 221, 256, 276**

HSBH1009 Health Care Resources and Systems, **47, 48, 49, 50, 149, 221, 256, 276**

HSBH3001 Health and Indigenous Populations, **47, 150, 222, 257, 277**

HSBH3003 Health Service Stategy and Policy, **47, 150, 222, 257, 277**

HSBH3004 Health, Ethics and the Law, **45, 46, 47, 150, 222, 255, 256, 275, 277**

HSBH3006 Research Methods in Health, **47, 150, 222, 257, 277**

HSBH3009 International Health Project, **47, 150, 222, 257, 277**

HSBM4001 Sexology/Sexual Hlth: Global Perspective, **122, 150**

HSGS5001 Research Dissertation, **193, 334**

HSGS5002 Ageing and Environmental Interaction, **182, 183, 185, 186, 188, 189, 252, 310, 334**

M

MATH1011 Life Sciences Calculus, **62, 64, 151**

MATH1015 Biostatistics, **61, 64, 151**

MBLG1001 Molecular Biology and Genetics (Intro), **63, 151**

MBLG2071 Molecular Biology and Genetics A, **61, 63, 151**

MRSC5001 Professional Practice Radiography 1, **232, 233, 334**

MRSC5002 Medical Radiation Science 1, **232, 233, 234, 235, 236, 237, 334, 337, 338**

MRSC5003 Foundations of Health Care Practice, **232, 234, 236, 334**

MRSC5005 Professional Practice Radiography 2, **232, 233, 334, 335**

MRSC5008 Honours Dissertation A, **233, 235, 237, 334, 335**

MRSC5009 Professional Practice Nuclear Medicine 1, **234, 235, 334, 335**

MRSC5010 Professional Practice Nuclear Medicine 2, **234, 235, 335**

MRSC5011 Professional Practice Rad Therapy 1, **236, 237, 335**

MRSC5012 Professional Practice Rad Therapy 2, **236, 237, 335**

MRSC5013 Professional Practice Radiography 3, **232, 233, 234, 235, 236, 237, 335, 338**

MRSC5014 Professional Practice Radiography 4, **232, 233, 335**

MRSC5021 Honours Dissertation B, **231, 233, 235, 237, 335**

MRSC5022 Professional Practice Nuclear Medicine 3, **234, 235, 335, 338**

MRSC5023 Professional Practice Nuclear Medicine 4, **234, 235, 335**

MRSC5024 Professional Practice Rad Therapy 3, **232, 233, 234, 235, 236, 237, 336, 338**

MRSC5025 Professional Practice Rad Therapy 4, **236, 237, 336**

MRSC5026 Clinical Studies Radiography 1, **232, 233, 336**

MRSC5027 Clinical Studies Radiography 2, **232, 233, 336**

MRSC5028 Clinical Studies Radiography 3, **232, 233, 336**

MRSC5029 Clinical Studies Radiography 4, **232, 233, 336**

MRSC5030 Clinical Studies Nuclear Medicine 1, **234, 235, 336**

MRSC5031 Clinical Studies Nuclear Medicine 2, **234, 235, 336, 337**

MRSC5032 Clinical Studies Nuclear Medicine 3, **234, 235, 337**

MRSC5033 Clinical Studies Nuclear Medicine 4, **234, 235, 337**

MRSC5034 Clinical Studies Radiation Therapy 1, **236, 237, 337**

MRSC5035 Clinical Studies Radiation Therapy 2, **236, 237, 337**

MRSC5036 Clinical Studies Radiation Therapy 3, **236, 237, 337**

MRSC5037 Clinical Studies Radiation Therapy 4, **236, 237, 337**

MRSC5038 Medical Radiation Science Radiography 2, **232, 233, 337**

MRSC5039 Medical Radiation Science Radiography 3, **232, 233, 337**

MRSC5040 Medical Radiation Science Nuclear Med 2, **234, 235, 337, 338**

MRSC5041 Medical Radiation Science Nuclear Med 3, **234, 235, 337**

MRSC5042 Medical Radiation Science Rad Therapy 2, **236, 237, 338**

MRSC5043 Medical Radiation Science Rad Therapy 3, **236, 237, 338**

MRSC5044 Advanced MRS Practice, **232, 233, 234, 235, 236, 237, 338**

MRTY1031 Medical Radiation Physics, **78, 79, 151, 152, 153**

MRTY1032 Preparation for Practice, **78, 80, 83, 151, 152, 155**

MRTY1033 Radiographic Practice 1, **78, 152**

MRTY1034 Nuclear Medicine Practice 1, **78, 79, 152, 153**

MRTY1035 Radiation Therapy Practice 1, **78, 79, 152, 153**

MRTY1036 Health Physics and Radiation Biology, **78, 152**

MRTY2080 Radiographic Practice 2.1, **78, 152**

MRTY2081 Clinical Education 2.1DR, **78, 79, 152, 154**

MRTY2082 Radiographic Physics 2, **79, 80, 81, 152, 155, 156**

MRTY2083 Nuclear Medicine Practice 2.1, **79, 153**

MRTY2084 Nuclear Medicine Physics 2, **79, 81, 153, 155, 156**

MRTY2085 Clinical Education 2.1NM, **79, 153, 154**

MRTY2086 Radiation Therapy Practice 2.1, **79, 80, 153, 155, 157**

MRTY2087 Radiation Therapy Physics 2, **79, 80, 81, 153, 155, 157**

MRTY2088 Clinical Education 2.1RT, **79, 80, 153, 154, 155**

MRTY2089 Integrated Diagnosis and Treatment, **79, 80, 153, 155**

MRTY2090 Clinical Education 2.2DR, **79, 154**

MRTY2091 Clinical Education 2.3DR, **79, 80, 154, 155, 156**

MRTY2092 Radiographic Practice 2.2, **79, 80, 154, 155, 156**

MRTY2093 Clinical Education 2.2NM, **79, 80, 154, 156**

MRTY2094 Clinical Education 2.3NM, **79, 80, 154, 156**

MRTY2095 Nuclear Medicine Practice 2.2, **79, 80, 154, 156**

MRTY2096 Clinical Education 2.2RT, **80, 154**

MRTY2097 Clinical Education 2.3RT, **80, 155, 157**

MRTY2098 Radiation Therapy Practice 2.2, **80, 155, 156, 157**

MRTY3099 Research in Medical Radiation Sciences, **80, 81, 155**

MRTY3100 Digital Imaging, **80, 155**

MRTY3101 Ethics, Law and Professional Practice, **80, 155**

MRTY3102 Medical Radiation Project, **81, 155**

MRTY3104 Medical Radiation Science Physics, **81, 155**

MRTY3105 Radiographic Practice 3, **80, 155**

MRTY3106 Clinical Education 3DR, **80, 156**

MRTY3107 Radiographic Physics 3, **81, 156**

MRTY3108 Nuclear Medicine Practice 3, **80, 156**

MRTY3109 Clinical Education 3NM, **80, 156**

MRTY3110 Nuclear Medicine Physics 3, **81, 156**

MRTY3111 Radiation Therapy Practice 3.1, **80, 81, 156, 157**

MRTY3112 Clinical Education 3RT, **80, 157**

MRTY3113 Radiation Therapy Practice 3.2, **81, 157**

MRTY3115 Introductory Sonography, **80, 157**

MRTY3116 CT for Nuclear Medicine Technologists, **81, 157**

MRTY3117 Diagnostic Imaging for Rad Therapists, **81, 157**

MRTY3118 MR Theory, **81, 157**

MRTY4032 Honours Thesis 1A, **81, 157**

MRTY4033 Honours Thesis 1B, **82, 157**

MRTY4034 Honours Thesis A, **82, 158**

MRTY4035 Honours Thesis B, **82, 158**

MRTY4036 Honours Thesis C, **82, 158**

MRTY4037 Honours Thesis D, **82, 158**

MRTY5024 Current Issues in Medical Radiations, **239, 240, 241, 338**

MRTY5030 Advanced Radiographic Pathology, **240, 241, 338, 343**

MRTY5039 CT Applications, **240, 338**

MRTY5040 CT Practice I, **241, 338**

MRTY5041 CT Practice II, **241, 338**

MRTY5042 Digital Communications in Med Radiations, **240, 339**

MRTY5043 Directed Studies A, **240, 241, 246, 339**

MRTY5044 Directed Studies B, **241, 246, 339**

MRTY5047 History of Medical Radiations, **240, 339**

MRTY5051 MR Theory, **241, 339, 342**

MRTY5052 MR Applications 1, **241, 339**

MRTY5053 MR Applications 2, **241, 339**

MRTY5054 Nuclear Cardiology, **241, 340**

MRTY5056 Patient/Practitioner Communication, **241, 310, 340**

MRTY5057 Prevention and Care of Radiation Injury, **241, 340**

MRTY5058 Quality Management in Medical Radiations, **241, 340**

MRTY5059 Radiation Safety, **241, 340**

MRTY5060 Radiation Therapy Tmt Planning Systems, **241, 340**

MRTY5062 Specialised Skeletal Scintigraphy, **241, 340**
MRTY5063 Applied Positron Emission Tomography, **241, 340**
MRTY5064 Stabilisation and Positioning, **241, 341**
MRTY5067 Professional Issues, **243, 244, 246, 341**
MRTY5068 Physics and Instrumentation II, **243, 244, 341**
MRTY5069 Sonography in Obstetrics and Gynaecology, **245, 341, 342**
MRTY5070 Cardiac Sonography, **245, 341, 342**
MRTY5071 Vascular Sonography, **245, 341, 342**
MRTY5072 Independent Study in Sonography, **245, 341, 342**
MRTY5073 Abdominal Sonography, **245, 341, 342**
MRTY5074 Superficial Structures Sonography, **245, 341, 342**
MRTY5075 Cardiac Measurement Techniques, **245, 341, 342**
MRTY5076 Paediatric Sonography, **245, 341, 342**
MRTY5078 Clinical Prac in Abdominal Sonography, **245, 342**
MRTY5079 Clinical Prac in Ob & Gyn Sonography, **245, 342**
MRTY5080 Clinical Prac in Superficial Str Sono, **245, 342**
MRTY5081 Clinical Practice in Vascular Sonography, **245, 342**
MRTY5082 Clinical Prac in Cardiac Measurements, **245, 342**
MRTY5083 Clinical Practice in Cardiac Sonography, **245, 342**
MRTY5084 Clinical Prac in Paediatric Sonography, **245, 342**
MRTY5085 Clinical Practice in Independent Study, **245, 342**
MRTY5086 Investigative Project, **244, 342**
MRTY5087 Advanced MR Theory, **241, 342**
MRTY5088 Physics and Instrumentation I, **243, 244, 246, 341, 342**
MRTY5090 Advanced Multiplanar Anatomy A, **241, 342**
MRTY5091 Advanced Multiplanar Anatomy B, **241, 343**
MRTY5094 Brachytherapy Theory, **241, 344**
MRTY5096 Advanced Nuclear Medicine Practice, **241, 343**
MRTY5097 CT for Nuclear Medicine Technologists, **241, 343**
MRTY5098 Radiographic Image Interpretation A, **241, 343**
MRTY5099 Radiographic Image Interpretation B, **241, 343**
MRTY5100 Radiographic Image Interpretation C, **241, 343**
MRTY5102 Musculoskeletal Sonography, **245, 343**
MRTY5103 Clinical Prac in Musculoskeletal Sono, **245, 343**
MRTY5104 Breast Sonography, **245, 343**
MRTY5105 Clinical Practice in Breast Sonography, **245, 343**
MRTY5106 Breast Imaging, **241, 343**
MRTY5107 Brachytherapy: Principles and Practice, **241, 344**

N

NURS5001 Nursing Concepts: Bodies and Boundaries, **51, 68, 158**
NURS5002 Social Contexts of Health, **51, 67, 68, 158**
NURS5003 Observation in Nursing Practice, **51, 67, 68, 158**
NURS5004 Applied Nursing Practice, **51, 67, 68, 158**
NURS5005 Biomedical Therapies and Nursing, **51, 67, 68, 159**
NURS5006 Illness Experience and Nursing Care, **51, 67, 68, 159**
NURS5007 Mental Health Nursing Practice I, **51, 68, 159**
NURS5008 Acute Care and Nursing Practice I, **51, 68, 159**
NURS6001 Nursing Observations and Bio Parameters, **51, 68, 159**
NURS6002 Maternity, Child & Adolescent Nursing I, **51, 68, 160**
NURS6003 Nursing Care for Chronic Conditions, **51, 68, 160**
NURS6004 Nursing and the Politics of Health Care, **51, 68, 160**
NURS6005 Acute Care and Nursing Practice II, **51, 68, 160**
NURS6006 Mental Health Nursing Practice II, **51, 68, 160**
NURS6007 Community Nursing, **51, 68, 161**
NURS6008 Inquiry and Research in Nursing, **51, 68, 161**
NUTR2911 Food Science Introductory (Advanced), **61, 64, 161**
NUTR2912 Nutritional Science Introductory (Adv), **61, 64, 161**
NUTR3911 Nutritional Assessment Methods, **62, 64, 148, 161**
NUTR3912 Community and Public Health Nutrition, **62, 65, 162**
NUTR3921 Methods in Nutrition Practice, **62, 64, 148, 162**
NUTR3922 Nutrition and Chronic Disease, **62, 65, 162**
NUTR4001 Clinical Nutritional Science A, **62, 65, 162**
NUTR4002 Clinical Nutritional Science B, **62, 65, 162**
NUTR4101 Nutrition Research A, **62, 65, 162**
NUTR4102 Nutrition Research B, **62, 65, 162**
NUTR4103 Nutrition Research C, **63, 65, 162**
NUTR4104 Nutrition Research D, **63, 65, 162**

O

OCCP1091 Components of Occ Performance IA, **87, 166**
OCCP1094 Professional Practice I, **87, 164**
OCCP1096 Understanding Occupation-People-Context, **88, 162**
OCCP1097 Analysing Occupation and Performance, **88, 163**
OCCP1098 Teaching Occupations and Performance, **89, 163**
OCCP1099 Occupational Peerformance: Healthcare 1, **89, 163**
OCCP1100 Professional Practice I, **89, 163**
OCCP2041 Human Occupations IIA, **86, 163**
OCCP2042 Human Occupations IIB, **87, 163**
OCCP2044 Components of Occ Performance IIB, **87, 163, 166**
OCCP2076 OT Theory and Process II, **86, 164**
OCCP2077 Occupations/Roles Across the Lifespan II, **86, 164**
OCCP2080 Components of Occ Performance IIA, **86, 164**
OCCP2081 Professional Practice II, **87, 88, 164, 165**
OCCP3029 Honours Research Seminar I, **88, 164**
OCCP3032 Occ Therapy Theory and Process III, **87, 88, 164**

OCCP3052 Research Project in Leisure and Health, **85, 164**
OCCP3061 Professional Practice IIIA, **87, 88, 89, 164, 165, 166**
OCCP3064 Human Occupations III, **87, 88, 164, 166**
OCCP3065 Professional Practice IIIB, **87, 88, 89, 165**
OCCP3066 Components of Occ Performance III, **87, 88, 165, 166**
OCCP3070 Professional Practice IIID, **165**
OCCP3071 Professional Practice IIIE, **85, 165**
OCCP3072 Professional Practice IIIF, **85, 165**
OCCP4019 Honours Research Seminar II, **88, 165**
OCCP4051 Professional Practice IV, **87, 165**
OCCP4056 OT in Learning & Co-ord Difficulties, **87, 165**
OCCP4062 Community Based Rehabilitation, **87, 165**
OCCP4063 Evaluation of OT Programs, **87, 165**
OCCP4068 OT in Occ Health, Safety & Rehab, **87, 166**
OCCP4070 Research Elective Independent Study, **88**
OCCP4071 Professional Practice IV (Hons), **88, 166**
OCCP4072 Honours Thesis, **88, 166**
OCCP4075 Mental Health Interventions, **87, 166**
OCCP4076 Technology for Living, **87, 166**
OCCP4077 Professional Elective - General, **87, 166**
OCCP4078 People with Intellectual Disability, **87, 166**
OCCP5070 Selected Topic, **253, 344**
OCCP5136 Dissertation, **251, 344**
OCCP5143 Driving Assessment and Training A, **188, 252, 344**
OCCP5144 Driving Assessment and Training B, **188, 252, 344**
OCCP5145 Research Elective Independent Study, **252, 311, 344**
OCCP5185 Selected Topic, **253, 345**
OCCP5186 Theory in Occupational Therapy, **185, 186, 187, 188, 189, 252, 345**
OCCP5187 Falls Prevention With Older People, **182, 183, 186, 189, 252, 310, 345**
OCCP5189 Consultation: The Other Service Delivery, **185, 186, 188, 189, 190, 345**
OCCP5191 Assessing Play: ToP to TOES, **186, 189, 252, 310, 345**
OCCP5199 Using Water to Promote Participation, **186, 189, 252, 345**
OCCP5206 Specialist Intervention, **188, 345**
OCCP5207 Assessing Evidence for OT Practice, **247, 248, 249, 250, 346, 348**
OCCP5208 Biomechanical & Sensorimotor Strategies, **248, 249, 250, 346, 347, 348**
OCCP5209 Evaluating OT Outcomes, **248, 249, 346**
OCCP5210 Evaluating OT Programs, **248, 249, 346**
OCCP5211 Fieldwork 1, **247, 248, 249, 250, 346, 347**
OCCP5212 Fieldwork 2, **248, 249, 250, 346, 347, 348**
OCCP5213 Fieldwork 3, **248, 249, 250, 346, 347**
OCCP5214 Fieldwork 4, **248, 249, 250, 347**
OCCP5215 Fieldwork 5, **248, 249, 250, 347, 348**
OCCP5216 Human Occupations, **247, 248, 346, 347**
OCCP5217 OT Assessment and Planning, **247, 248, 249, 346, 347, 348**
OCCP5218 OT in Home and Community Environments, **248, 347**
OCCP5219 OT in School and Work Environments, **248, 249, 347**
OCCP5222 Psychosocial and Cognitive Strategies, **248, 249, 348**
OCCP5223 Reflexive Practice 1, **248, 249, 346, 348**
OCCP5224 Reflexive Practice 2, **248, 249, 250, 348**
OCCP5225 Sensory Processing: Theory to Practice, **190, 252, 348**
OCCP5226 Assessing & Promoting Play with Children, **187, 190, 252, 310, 348**
OCCP5228 Person - Enviromment - Occupation, **248, 249, 250, 348**
OCCP5229 Honours A: Project Development, **250, 348, 349**
OCCP5230 Honours B: Research Analysis and Report, **250, 349**
OCCP5231 Client-Centred Assessment in OT, **185, 186, 187, 188, 189, 252, 349**
OCCP5233 Child & Adolescent Mental Health in OT, **190, 252, 349**
OCCP5234 Computer Access & Environmental Control, **188, 252, 349**
ORTH2059 The Eye and Vision, **166, 256**
ORTH2060 Disability and Vision Impairment, **167, 256**
ORTH3055 Instrumentation III, **91, 92, 167, 168**
ORTH3062 Professional Practice IIIA, **167, 168**
ORTH3063 Professional Practice IIIB, **92, 167, 168**
ORTH3064 Professional Practice IIIHA, **92, 167, 168**
ORTH3065 Professional Practice IIIHB, **92, 167, 168**
ORTH4020 Neurological Eye Movement Disorders, **91, 92, 167, 168**
ORTH4021 Orthoptics in Adult Practice, **91, 92, 167**
ORTH4022 Orthoptics in Ophthalmic Practice, **91, 92, 167**
ORTH4023 Professional Studies, **91, 92, 167, 168**
ORTH4024 Rehabilitation for Vision Impairment, **91, 167**
ORTH4026 Clinical Project, **92, 167**
ORTH4027 Professional Practice IVHA, **92, 167, 168**
ORTH4028 Research Report A, **92, 167**
ORTH4030 Research Report B, **92, 167**
ORTH4035 Professional Practice IVA, **92, 167**
ORTH4036 Professional Practice IVB, **92, 168**
ORTH4037 Professional Practice IVC, **92, 168**
ORTH4045 Professional Practice IVHBA, **92, 168**
ORTH4046 Professional Practice IVHBB, **92, 168**
ORTH4047 Professional Practice IVHBC, **92, 168**
ORTH5019 Special Study A, **258, 349**
ORTH5022 Binocular Vision and Strabismus A, **258, 349, 350**
ORTH5023 Ocular Pathology A, **258, 349, 350**
ORTH5024 Professional Experience 1A, **258, 349, 350**
ORTH5025 Binocular Vision and Strabismus B, **349, 350**
ORTH5026 Ocular Pathology B, **258, 349, 350**
ORTH5027 Professional Experience 1B, **258, 349, 350**
ORTH5028 Professional Experience 1C, **258, 349, 350**
ORTH5029 Clinical Management of Refractive Error, **258, 259, 349, 350, 352**
ORTH5030 Paediatrics, **258, 349, 350**
ORTH5031 Eye Movement Disorders, **255, 257, 258, 259, 350**
ORTH5032 Geriatrics, **258, 350**
ORTH5033 Professional Development, **258, 350, 351**
ORTH5034 Advanced Orthoptic Practice, **258, 350**
ORTH5035 Professional Experience 2A, **258, 350, 351**
ORTH5036 Professional Experience 2B, **258, 350, 351**
ORTH5037 Professional Experience 2C, **258, 350, 351**
ORTH5038 Research Project, **258, 350**

ORTH5039 The Eye and Visual Systems, **259, 351**

ORTH5040 Binocular Vision, **256, 258, 259, 350, 351**

ORTH5041 Introduction to Professional Practice, **256, 259, 351**

ORTH5042 Anterior Seg & Ocular Surface Disorders, **256, 259, 351**

ORTH5043 Concomitant Strabismus, **256, 258, 259, 350, 351**

ORTH5044 Professional Practice A, **255, 256, 259, 351**

ORTH5045 Professional Practice B, **255, 256, 259, 352**

ORTH5046 Neuro Orthoptics, **255, 259, 352**

ORTH5047 Research Project 1, **255, 257, 259, 352**

ORTH5048 Professional Practice C, **255, 257, 259, 352**

ORTH5049 Professional Practice D, **255, 257, 259, 352**

ORTH5050 Ocular Pathology, **255, 256, 259, 352**

ORTH5051 Research Project 2, **255, 257, 259, 352**

ORTH5052 Current Topics in CVS, **255, 353**

ORTH5054 Refraction Practice, **190, 191, 353**

ORTH5055 Peri Operative Practice, **190, 191, 353**

ORTH5056 Vision and Driving, **191, 353**

ORTH5057 Advanced Ocular Motility, **191, 353**

ORTH5058 Vision Impairment, **191, 353**

ORTH5059 Current Issues in Ophthalmology, **191, 353**

P

PHTY1021 Motor Performance and Learning, **96, 169**

PHTY2045 Evidence Based Physiotherapy, **96, 168, 169**

PHTY2046 Professional Practice, **96, 97, 98, 100, 168, 170, 171**

PHTY2047 Clinical Observation and Measurement, **96, 97, 98, 100, 168, 169, 170, 171**

PHTY2048 Cardiopulmonary Physiotherapy A, **96, 97, 169, 170**

PHTY2049 Neurological Physiotherapy A, **96, 97, 169, 170**

PHTY2050 Musculoskeletal Physiotherapy A, **96, 97, 169, 170**

PHTY2051 Musculoskeletal Physiotherapy B, **96, 97, 169, 170**

PHTY3051 Cardiopulmonary Physiotherapy B, **97, 98, 169, 170, 171**

PHTY3052 Neurological Physiotherapy B, **97, 98, 170, 171**

PHTY3053 Musculoskeletal Physiotherapy C, **97, 98, 170, 171**

PHTY3054 Musculoskeletal Physiotherapy D, **97, 98, 170, 171**

PHTY3055 Physiotherapy Practicum A, **97, 170**

PHTY3056 Physiotherapy Practicum B, **97, 170**

PHTY3057 Physiotherapy Practicum C, **97, 170**

PHTY4092 Musculoskeletal Physiotherapy E, **97, 98, 171, 172**

PHTY4093 Cardiopulmonary & Neurological Physio, **97, 98, 171**

PHTY4094 Physiotherapy Practicum D, **97, 98, 171, 172**

PHTY4095 Physiotherapy Practicum E, **97, 98, 171, 172**

PHTY4096 Physiotherapy in Childhood, **96, 97, 98, 171**

PHTY4097 Physiotherapy in the Workplace, **96, 97, 98, 171**

PHTY4098 Physiotherapy in Recreation, **96, 97, 98, 172**

PHTY4099 Physiotherapy in the Community, **96, 97, 98, 172**

PHTY4100 Physiotherapy for Older People, **96, 97, 98, 172**

PHTY4101 Honours Research Dissertation, **96, 98, 172**

PHTY4109 Elective Studies, **96, 97, 172**

PHTY5101 Advanced Anatomy and Biomechanics, **270, 273, 354, 356**

PHTY5103 Musculoskeletal Sports Injuries A, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354**

PHTY5104 Clinical Sports Physiotherapy A, **273, 354**

PHTY5105 Theoretical Basis of Clinical Practice, **263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 354**

PHTY5106 Musculoskeletal Sports Injuries B, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 355**

PHTY5107 Advanced Musculoskeletal Complex Cases, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 356**

PHTY5108 Clinical Sports Physiotherapy B, **273, 354**

PHTY5111 Clinical Practice A, **263, 264, 265, 266, 267, 268, 269, 272, 354**

PHTY5113 Clinical Practice B, **263, 264, 265, 266, 267, 268, 269, 272, 354**

PHTY5114 Optimising Motor Performance A, **266, 271, 355**

PHTY5115 Clinical Neurological Physiotherapy A, **271, 355**

PHTY5116 Optimising Motor Performance B, **266, 271, 273, 355**

PHTY5118 Clinical Neurological Physiotherapy B, **271, 355**

PHTY5119 Topics in Cardiopulmonary Physiotherapy, **269, 355**

PHTY5120 Clinical Cardiopulmonary Physiotherapy A, **269, 355**

PHTY5121 Advanced Cardiopulmonary Physiotherapy, **263, 264, 269, 272, 355**

PHTY5123 Clinical Cardiopulmonary Physiotherapy B, **269, 355**

PHTY5124 Advanced Musculoskeletal Disorders A, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 356**

PHTY5125 Clinical Manipulative Physiotherapy A, **270, 356**

PHTY5126 Advanced Musculoskeletal Disorders B, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 356**

PHTY5128 Clinical Manipulative Physiotherapy B, **270, 356**

PHTY5129 Topics in Paediatric Physiotherapy A, **271, 272, 356, 357**

PHTY5130 Clinical Paediatric Physiotherapy A, **271, 356**

PHTY5131 Concepts in Paediatric Physiotherapy, **267, 271, 273, 356**

PHTY5132 Topics in Paediatric Physiotherapy, **267, 268, 272, 357**

PHTY5133 Clinical Paediatric Physiotherapy B, **272, 357**

PHTY5134 Therapy in Disorders of the Hand, **273, 310, 357**

PHTY5155 Clinical Manipulative Physiotherapy C, **274, 357**

PHTY5156 Clinical Manipulative Physiotherapy D, **274, 357**

PHTY5157 Clinical Sports Physiotherapy C, **274, 357**

PHTY5158 Clinical Sports Physiotherapy D, **274, 357**

PHTY5163 Physiotherapy in Pulmonary Rehab, **263, 264, 269, 358**

PHTY5164 Ultrasound for Physiotherapists, **272, 358**

PHTY5169 Physiotherapy Management in Acute Care, **264, 269, 358**

PHTY5170 Cardiopulmonary Physiotherapy I, **262, 358, 359**

PHTY5171 Musculoskeletal Physiotherapy I, **262, 358, 359**

PHTY5172 Musculoskeletal Physiotherapy II, **262, 358, 359**

PHTY5173 Scientific Practice I, **262, 358**

PHTY5174 Professional Practice I, **262, 359**

PHTY5175 Cardiopulmonary Physiotherapy II, **262, 359, 360**

PHTY5176 Neurological Physiotherapy I, **262, 359**

PHTY5177 Neurological Physiotherapy II, **262, 359, 360**

PHTY5178 Musculoskeletal Physiotherapy III, **262, 358, 359, 360**

PHTY5179 Musculoskeletal Physiotherapy IV, **262, 358, 359, 360**

PHTY5180 Physiotherapy Practicum I, **262, 360, 361**

PHTY5181 Physiotherapy Practicum II, **262, 360, 361**

PHTY5182 Physiotherapy Practicum III, **262, 360, 361**

PHTY5183 Advanced Physiotherapy, **262, 360, 361**

PHTY5184 Paediatric Physiotherapy, **262, 360, 361**

PHTY5185 Physiotherapy for Older Persons, **262, 360, 361**

PHTY5186 Physiotherapy in Selected Populations, **262, 360, 361**

PHTY5187 Scientific Practice II, **262, 361**

PHTY5188 Professional Practice II, **262, 361**

PHTY5189 Physiotherapy Practicum IV, **262, 361**

PHTY5190 Evidence-Based Decision Making, **181, 182, 183, 185, 186, 187, 188, 189, 252, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 300, 355, 361**

PHTY5191 Topics in Specialised Physiotherapy, **263, 264, 267, 361**

PSYC1001 Psychology 1001, **47, 48, 49, 50, 172, 221, 256, 276**

PUBH5010 Epidemiology Methods and Uses, **362**

PUBH5018 Introductory Biostatistics, **300, 361**

PUBH5021 Global Obesity and Disease Prevention, **216, 361**

PUBH5022 Physical Activity and Public Health, **216, 362**

R

REHB2021 Professional Practice IIA, **101, 174**

REHB2025 Professional Practice IIB, **101, 174**

REHB2026 Fundamentals of Rehabilitation, **278**

REHB3039 Avocational Rehabilitation, **275, 276, 281, 282, 367**

REHB3043 Rehabilitation Counselling IIIB, **101, 174**

REHB3049 Professional Practice IIIA, **101, 174**

REHB3050 Professional Practice IIIB, **101, 174**

REHB3056 Rehab of Persons with Hearing Loss, **102, 172**

REHB3062 Public Offenders: Criminality & Rehab, **102, 122, 173, 278, 283, 365**

REHB3063 Disability, Work and Quality of Life, **122, 173, 275**

REHB3064 Alcohol and Drug Misuse Rehabilitation, **102, 122, 173, 277, 283, 365**

REHB3065 PTSD and Rehabilitation, **102, 122, 173, 277, 283, 365**

REHB3066 Chronic Pain: Disability and Rehab, **102, 122, 173, 278, 283, 365**

REHB3067 Acquired Brain Injury Rehabilitation, **102, 173, 277, 279, 283, 364**

REHB3069 HIV/AIDS: Developments in Rehabilitation, **102, 174, 277, 283, 365**

REHB3070 Ethnic Minorities and Disability, **278, 283, 365**

REHB4009 Rehabilitation Counselling IV, **101, 174**

REHB4019 Thesis A, **101, 102, 174**

REHB4021 Professional Practice IVA, **101, 174**

REHB4022 Professional Practice IVB, **101, 174**

REHB4024 Professional Practice IVHA, **101, 174**

REHB4025 Professional Practice IVHB, **101, 174**

REHB4026 Thesis B, **102, 174**

REHB5012 Medical Aspects of Disability, **276, 279, 280, 281, 282, 362, 364**

REHB5014 Rehabilitation and Substance Abuse, **277, 281, 283, 362, 365**

REHB5016 Rehabilitation of Public Offenders, **278, 281, 283, 362, 365**

REHB5022 Acquired Brain Injury Rehabilitation, **277, 279, 281, 283, 362, 364**

REHB5034 Rehabilitation and PTSD, **277, 281, 283, 362, 365**

REHB5042 Psychiatric Rehabilitation, **276, 277, 281, 282, 283, 362, 367**

REHB5043 Rehabilitation Counselling A, **275, 277, 279, 280, 281, 282, 362, 363, 367**

REHB5044 Vocational Development and Counselling, **275, 277, 279, 280, 281, 282, 363, 366**

REHB5045 Rehabilitation Theory, **276, 278, 279, 280, 281, 282, 363, 364**

REHB5046 Work Injury and Disability, **275, 277, 279, 280, 282, 363, 366**

REHB5047 Psychosocial Aspects of Disability, **276, 279, 280, 281, 282, 363, 364**

REHB5048 Field Experience I, **275, 277, 279, 280, 281, 283, 363, 364, 366**

REHB5049 Rehabilitation Counselling B, **275, 277, 279, 280, 281, 282, 363, 366**

REHB5050 Client Assessment and Job Placement, **276, 277, 279, 280, 281, 282, 283, 363, 366**

REHB5051 Rehabilitation and Case Management, **29, 275, 277, 279, 280, 281, 282, 363, 366**

REHB5052 Legal Aspects of Rehabilitation, **280, 364**

REHB5053 Workers Compensation and Rehabilitation, **280, 364**

REHB5054 Field Experience II, **275, 277, 279, 280, 281, 283, 364, 366**

REHB5057 Dissertation A, **276, 277, 280, 282, 283, 364, 367**

REHB5058 Dissertation B, **276, 277, 280, 282, 283, 364, 367**

REHB5059 Dissertation, **276, 277, 280, 282, 283, 364, 367**

REHB5060 Rehabilitation Philosophy, **276, 278, 279, 281, 282, 364**

REHB5061 Applied Psychosocial and Medical Rehab, **276, 279, 281, 282, 364**

REHB5062 Brain Injury Rehabilitation, **277, 279, 283, 364**

REHB5063 Rehabilitation of PTSD, **277, 283, 365**

REHB5065 Advances in HIV/AIDS Rehabilitation, **277, 283, 365**

REHB5066 Chronic Pain & Rehabilitation Management, **278, 283, 365**

REHB5067 Multicultural Rehabilitation Management, **278, 283, 365**

REHB5068 Public Offenders: Aspects of Rehab, **278, 283, 365**

REHB5069 Rehabilitation of Alcohol & Drug Misuse, **277, 283, 365**

REHB5070 Vocational Development and Counselling, **275, 276, 277, 279, 282, 283, 366**

REHB5071 Work Injury and Workers' Compensation, **275, 277, 279, 282, 366**

REHB5072 Applied Counselling and Case Management, **275, 276, 277, 279, 281, 282, 366, 367**

REHB5073 Client Assessment and Job Placement, **276, 277, 279, 282, 283, 366**

REHB5074 Professional Practice A, **275, 277, 279, 281, 283, 366**

REHB5075 Avocational Rehab Management, **275, 276, 281, 282, 367**

REHB5076 Introductory Rehabilitation Counselling, **275, 277, 279, 281, 282, 366, 367**

REHB5077 Psychiatric Rehabilitation, **276, 277, 282, 283, 367**

REHB5078 Rehab Counselling Dissertation A, **276, 277, 282, 283, 367**

REHB5079 Perspectives on Rehab Legislation, **276, 277, 282, 367**

REHB5080 Professional Practice B, **276, 277, 282, 283, 367**

REHB5081 Rehab Counselling Dissertation B, **276, 277, 282, 283, 367**

RHHG5005 Reproductive Sciences and Medicine, **202, 368**

RHHG5006 Reproductive, Maternal and Child Health, **202, 368**

RHHG5007 Clinical Reproductive Medicine, **201, 368**

RHHG5010 Reproductive Sciences, **201, 368**

RHHG5014 Fertility Control, **202, 368**

RHHG5021 Reproduction and Cancer, **202, 368**

S

SEXH5100 Social & Policy Aspects of Sexual Health, **202, 368**

SEXH5101 Public Health Aspects of STDs, **202, 368**

SEXH5102 Public Health Aspects of HIV/AIDS, **202, 369**

SEXH5109 Introduction to STIs & HIV, **201, 369**

SEXH5204 Adolescent Sexual Health, **202, 369**

SEXH5205 Advanced Adolescent Sexual Health, **202, 369**

SEXH5206 Diagnostic Methods in Sexual Health, **201, 369**

SING4052 Topics in Physiotherapy Management, **117, 174**

SING4054 Community Based Programs Development, **117, 175**

SING4055 Managing Occupational Therapy Services, **117, 175**

SING4056 Cognitive & Perceptual Components of OT, **117, 175**

SING4057 Advanced Communication Techniques in OT, **117, 175**

SING4059 Computer Communication in MRT, **118, 175**

SING4061 The Quality Perspective Applied to MRT, **118, 175**

SING4062 Health Care Ethics, **115, 117, 118, 175**

SING4063 Legal Perspectives and Health Care, **115, 117, 118, 175**

SING4064 Patient/Client Education, **116, 118, 175**

SING4065 Managing Resources in Health Services, **116, 117, 118, 119, 176**

SING4066 Pathophysiology A, **115, 115, 117, 117, 118, 118, 119, 119, 176, 176**

SING4067 Pathophysiology B, **115, 115, 117, 117, 118, 118, 119, 119, 176, 176**

SING4068 Research Methods: Design, **116, 118, 119, 176**

SING4069 Research Methods: Analysis, **116, 118, 119, 176**

SING4070 Sociology of Work and Organisations, **116, 118, 119, 176**

SING4071 Patient-Practitioner Relationships, **116, 119, 176**

SING4072 Nursing Knowledge and Health Care, **115, 176**

SING4075 Integrated Diagnosis and Treatment, **118, 176**

SING4076 Radiographic Interpretation of Pathology, **118, 176**

SING4077 Imaging Applications in RT, **118, 177**

SING4083 Evidence Based Practice, **116, 177**

SING4084 Advanced Musculosketetal Physiotherapy, **116, 177**

SING4085 Advanced Cardiopulmonary Physiotherapy, **116, 177**

SING4086 Advanced Neurological Physiotherapy, **116, 177**

SING4087 Nursing and Health Assessment, **116, 177**

SING4088 Nursing in Complex Clinical Situations, **116, 177**

SING5001 Organisational and Managerial Behaviour, **297, 369**

SING5002 Health Economics, **297, 370**

SING5003 Health Service Leadership and Change, **297, 370**

SING5004 Accounting and Financial Management, **297, 370**

SING5005 Health Service Marketing, **297, 370**

SING5006 Strategic Management and Planning, **297, 370**

SING5007 Managing HR and IR in the Health Sector, **297, 370**

SING5008 Information and Decision Analysis, **297, 370**

SING5013 Dissertation, **298, 371**

SING5014 Dissertation A, **298, 371**

SING5015 Dissertation B, **298, 371**

STAT2012 Statistical Tests, **62, 64, 177**

Index by name

A

Abdominal Sonography MRTY5073, **245, 341, 342**

Abnormal Psychology and Mental Health BACH5138, **208, 309, 314**

Aboriginal Studies A AHCD1061, **76, 124**

Aboriginal Studies B AHCD1067, **76, 125**

Academic Skills Workshop A AHCD1059, **76, 124**

Academic Skills Workshop B AHCD1065, **76, 124**

Accounting and Financial Management SING5004, **297, 370**

Acquired Brain Injury Rehabilitation REHB3067, **102, 173, 277, 279, 283, 364**

Acquired Brain Injury Rehabilitation REHB5022, **277, 279, 281, 283, 362, 364**

Action Research AHCD4018, **74, 126**

Action Research AHCD5048, **311**

Action Research BACH5300, **209, 316**

Acute Care and Nursing Practice II NURS6005, **51, 68, 160**

Acute Care and Nursing Practice I NURS5008, **51, 68, 159**

Adolescent Sexual Health SEXH5204, **202, 369**

Adult Learning BACH5001, **206, 207, 208, 209, 294, 296, 309, 310, 312, 316, 317**

Advanced Adolescent Sexual Health SEXH5205, **202, 369**

Advanced Anatomy and Biomechanics PHTY5101, **270, 273, 354, 356**

Advanced Cardiopulmonary Physiotherapy PHTY5121, **263, 264, 269, 272, 355**

Advanced Cardiopulmonary Physiotherapy SING4085, **116, 177**

Advanced Clinical Data Management HIMT5066, **224, 225, 332**

Advanced Clinical IA CSCD4028, **107, 142, 143**

Advanced Clinical IB CSCD4032, **108, 142, 143**

Advanced Clinical IH CSCD4035, **109, 142**

Advanced Clinical IIA: Adult CSCD4047, **107, 143**

Advanced Clinical IIA: Child CSCD4048, **107, 143**

Advanced Clinical IIB: Adult CSCD4049, **107, 144**

Advanced Clinical IIB: Child CSCD4050, **108, 144**

Advanced Clinical IIH CSCD4037, **109, 142**

Advanced Communication Techniques in OT SING4057, **117, 175**

Advanced Counselling Skills BACH5323, **208, 310, 317**

Advanced Exercise Physiology EXSS5044, **213, 215, 216, 217, 218, 327**

Advanced Exercise Programming EXSS5060, **212, 329, 330**

Advanced MRS Practice MRSC5044, **232, 233, 234, 235, 236, 237, 338**

Advanced MR Theory MRTY5087, **241, 342**

Advanced Multiplanar Anatomy A MRTY5090, **241, 342**

Advanced Multiplanar Anatomy B MRTY5091, **241, 343**

Advanced Musculoskeletal Anatomy BIOS5089, **263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 324, 354, 356**

Advanced Musculoskeletal Complex Cases PHTY5107, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 356**

Advanced Musculoskeletal Disorders A PHTY5124, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 356**

Advanced Musculoskeletal Disorders B PHTY5126, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 356**

Advanced Musculosketetal Physiotherapy SING4084, **116, 177**

Advanced Neurological Physiotherapy SING4086, **116, 177**

Advanced Nuclear Medicine Practice MRTY5096, **241, 343**

Advanced Ocular Motility ORTH5057, **191, 353**

Advanced Orthoptic Practice ORTH5034, **258, 350**

Advanced Physiotherapy PHTY5183, **262, 360, 361**

Advanced Radiographic Pathology MRTY5030, **240, 241, 338, 343**

Advanced Reproductive Health BIOS5077, **201, 321**

Advanced Sexuality and Ageing BIOS5079, **182, 183, 201, 321, 322**

Advanced Topics A CSCD4026, **107, 142**

Advanced Topics B CSCD4030, **108, 142**

Advances in HIV/AIDS Rehabilitation REHB5065, **277, 283, 365**

Ageing, Biology and Health BIOS5041, **182, 189, 296, 310, 318**

Ageing and Environmental Interaction HSGS5002, **182, 183, 185, 186, 188, 189, 252, 310, 334**

Ageing and Society BACH5343, **182, 189, 310, 318**

Ageing Society and Professional Practice BACH3095, **102, 121, 129**

Alcohol and Drug Misuse Rehabilitation REHB3064, **102, 122, 173, 277, 283, 365**

Analysing Occupation and Performance OCCP1097, **88, 163**

Anatomical Analysis of Exercise BIOS3065, **122, 122, 136, 136**

Anatomy Support (A) AHCD1009, **75, 123**

Anatomy Support (B) AHCD1010, **75, 123**

Anatomy Workshop A AHCD1062, **76, 124**

Anatomy Workshop B AHCD1068, **76, 125**

Anterior Seg & Ocular Surface Disorders ORTH5042, **256, 259, 351**

Applied Clinical Research CSCD5033, **192, 287, 288, 289, 290, 291, 324, 325**

Applied Counselling and Case Management REHB5072, **275, 276, 277, 279, 281, 282, 366, 367**

Applied Nursing Practice NURS5004, **51, 67, 68, 158**

Applied Physiology EXSS2024, **96, 97, 145, 169**

Applied Physiology EXSS3019, **87, 88, 146**

Applied Positron Emission Tomography MRTY5063, **241, 340**

Applied Psychosocial and Medical Rehab REHB5061, **276, 279, 281, 282, 364**

Articulation and Phonology CSCD1029, **107, 108, 112, 139**

Articulation and Phonology CSCD5020, **286, 287, 288, 324, 325**

Assessing & Promoting Play with Children OCCP5226, **187, 190, 252, 310, 348**

Assessing Evidence for OT Practice OCCP5207, **247, 248, 249, 250, 346, 348**

Assessing Play: ToP to TOES OCCP5191, **186, 189, 252, 310, 345**

Assessment of Children and Adolescents BACH5309, **208, 310, 317**

Assessment of Learning BACH5153, **208, 294, 309, 315**

Athlete Exercise Testing and Training EXSS5049, **214, 215, 218, 328**

Audiological Management I CSCD2046, **107, 108, 112, 139, 140**

Audiological Management II CSCD3049, **107, 108, 112, 139, 142**

Audiology I CSCD2040, **107, 108, 112, 113, 139, 140, 141**

Audiology II CSCD3055, **113, 140**

Auditory Perception and Processing CSCD3058, **113, 140**

Autism Spectrum Disorders GSDD5011, **192, 196, 330**

Avocational Rehabilitation REHB3039, **275, 276, 281, 282, 367**

Avocational Rehab Management REHB5075, **275, 276, 281, 282, 367**

B

Basics of Sexuality in Ageing BIOS5078, **182, 183, 201, 321, 322**

Behavioural Aspects of Ageing BACH5216, **296, 316**

Behavioural Epidemiology BACH4072, **122, 131**

Behavioural Sciences Support (A) AHCD1020, **75, 123**

Behavioural Sciences Support (B) AHCD1021, **75, 124**

Behavioural Science Workshop A AHCD1063, **76, 124**

Behavioural Science Workshop B AHCD1069, **76, 125**

Behaviour Mod & Cog Behavioural Therapy BACH5139, **208, 309, 314**

Binocular Vision and Strabismus A ORTH5022, **258, 349, 350**

Binocular Vision and Strabismus B ORTH5025, **349, 350**

Binocular Vision ORTH5040, **256, 258, 259, 350, 351**

Biochemistry and Human Biology BIOS1161, **48, 48, 109, 109, 134, 134**

Biochemistry of Exercise EXSS2017, **57, 58, 61, 64, 144, 145, 146**

Biological Aspects of Ageing BIOS1172, **121, 135**

Biological Sciences BIOS5047, **242, 242, 243, 243, 244, 244, 318, 318**

Biological Sciences IIIA BIOS3042, **85, 85, 136, 136**

Biological Sciences IIIB BIOS3043, **85, 85, 136, 136**

Biological Sciences Orientation AHCD1011, **75, 123**

Biological Sciences Support (A) AHCD1012, **75, 123**

Biological Sciences Support (B) AHCD1013, **75, 123**

Biological Sciences Support AHCD1057, **75, 124**

Biomechanical & Sensorimotor Strategies OCCP5208, **248, 249, 250, 346, 347, 348**

Biomechanical Analysis of Movement EXSS2018, **57, 58, 61, 64, 145**

Biomechanics A EXSS1026, **96, 168**

Biomechanics B EXSS1027, **96, 168**

Biomechanics of Human Movement EXSS1018, **49, 57, 58, 59, 61, 63, 64, 67, 68, 98, 144, 145, 147**

Biomechanics of Sports Techniques EXSS3044, **58, 59, 147**

Biomechanics Support (1) AHCD1018, **75, 123**

Biomechanics Support (2) AHCD2008, **75, 125**

Biomedical Therapies and Nursing NURS5005, **51, 67, 68, 159**

Biostatistics MATH1015, **61, 64, 151**

Body Functions and Disease BIOS2096, **85, 85, 136, 136**

Body Systems: Structure & Function II BIOS2098, **57, 57, 58, 58, 61, 61, 63, 63, 67, 67, 98, 98, 121, 121, 135, 135**

Body Systems: Structure and Function BIOS1170, **58, 63, 67, 98, 121, 135**

Body Systems: Structure and Function I BIOS1133, **57, 57, 61, 61, 63, 63, 96, 96, 145, 145, 169, 169**

Body Systems I BIOS1127, **58, 58, 63, 63, 67, 67, 86, 86, 98, 98, 121, 121, 133, 133, 135, 135**

Body Systems II and Pharmacology BIOS2099, **58, 58, 63, 63, 67, 67, 96, 96, 98, 98, 121, 121, 135, 135, 169, 169**

Brachytherapy: Principles and Practice MRTY5107, **241, 344**

Brachytherapy Theory MRTY5094, **241, 344**

Brain Injury Rehabilitation REHB5062, **277, 279, 283, 364**

Breast Imaging MRTY5106, **241, 343**

Breast Sonography MRTY5104, **245, 343**

Building eLearning Contexts in Health BACH5116, **294, 309, 314**

C

Cardiac Measurement Techniques MRTY5075, **245, 341, 342**

Cardiac Sonography MRTY5070, **245, 341, 342**

Cardiopulmonary & Neurological Physio PHTY4093, **97, 98, 171**

Cardiopulmonary Physiotherapy A PHTY2048, **96, 97, 169, 170**

Cardiopulmonary Physiotherapy B PHTY3051, **97, 98, 169, 170, 171**

Cardiopulmonary Physiotherapy II PHTY5175, **262, 359, 360**

Cardiopulmonary Physiotherapy I PHTY5170, **262, 358, 359**

Cell Metabolism and Biochemistry EXSS1031, **57, 58, 61, 64, 99, 144**

Chemistry 1A CHEM1101, **58, 61, 63, 64, 99, 137, 144**

Chemistry 1B CHEM1102, **63, 137**

Child & Adolescent Mental Health in OT OCCP5233, **190, 252, 349**

Child and Adolescent Psychology BACH5313, **208, 310, 317**

Child Language CSCD2057, **109, 110, 138**

Child Phonology CSCD1033, **48, 109, 110, 138**

Chronic Pain & Rehabilitation Management REHB5066, **278, 283, 365**

Chronic Pain: Disability and Rehab REHB3066, **102, 122, 173, 278, 283, 365**

Client-Centred Assessment in OT OCCP5231, **185, 186, 187, 188, 189, 252, 349**

Client Assessment and Job Placement REHB5050, **276, 277, 279, 280, 281, 282, 283, 363, 366**

Client Assessment and Job Placement REHB5073, **276, 277, 279, 282, 283, 366**

Clients, Practitioners and Organisations BACH1031, **107, 108, 112, 127**

Clinical Biomechanics EXSS5051, **212, 214, 215, 216, 218, 328**

Clinical Cardiopulmonary Physiotherapy A PHTY5120, **269, 355**

Clinical Cardiopulmonary Physiotherapy B PHTY5123, **269, 355**

Clinical Education 2.1DR MRTY2081, **78, 79, 152, 154**
Clinical Education 2.1NM MRTY2085, **79, 153, 154**
Clinical Education 2.1RT MRTY2088, **79, 80, 153, 154, 155**
Clinical Education 2.2DR MRTY2090, **79, 154**
Clinical Education 2.2NM MRTY2093, **79, 80, 154, 156**
Clinical Education 2.2RT MRTY2096, **80, 154**
Clinical Education 2.3DR MRTY2091, **79, 80, 154, 155, 156**
Clinical Education 2.3NM MRTY2094, **79, 80, 154, 156**
Clinical Education 2.3RT MRTY2097, **80, 155, 157**
Clinical Education 3DR MRTY3106, **80, 156**
Clinical Education 3NM MRTY3109, **80, 156**
Clinical Education 3RT MRTY3112, **80, 157**
Clinical Exercise Practice EXSS3046, **58, 59, 148**
Clinical Exercise Practice EXSS5061, **212, 330**
Clinical Exercise Science Practicum 1 EXSS5056, **212, 215, 216, 329**
Clinical Exercise Science Practicum 2 EXSS5057, **212, 216, 329**
Clinical Linguistics CSCD1030, **48, 109, 110, 137, 138**
Clinical Management of Refractive Error ORTH5029, **258, 259, 349, 350, 352**
Clinical Manipulative Physiotherapy A PHTY5125, **270, 356**
Clinical Manipulative Physiotherapy B PHTY5128, **270, 356**
Clinical Manipulative Physiotherapy C PHTY5155, **274, 357**
Clinical Manipulative Physiotherapy D PHTY5156, **274, 357**
Clinical Mentoring A CSCD4042, **107, 143**
Clinical Mentoring B CSCD4043, **108, 143**
Clinical Mentoring H CSCD4044, **109, 143**
Clinical Neurological Physiotherapy A PHTY5115, **271, 355**
Clinical Neurological Physiotherapy B PHTY5118, **271, 355**
Clinical Nutritional Science A NUTR4001, **62, 65, 162**
Clinical Nutritional Science B NUTR4002, **62, 65, 162**
Clinical Observation and Measurement PHTY2047, **96, 97, 98, 100, 168, 169, 170, 171**
Clinical Paediatric Physiotherapy A PHTY5130, **271, 356**
Clinical Paediatric Physiotherapy B PHTY5133, **272, 357**
Clinical Phonetics & Articulation CSCD1031, **48, 109, 137**
Clinical Prac in Abdominal Sonography MRTY5078, **245, 342**
Clinical Prac in Cardiac Measurements MRTY5082, **245, 342**
Clinical Prac in Musculoskeletal Sono MRTY5103, **245, 343**
Clinical Prac in Ob & Gyn Sonography MRTY5079, **245, 342**
Clinical Prac in Paediatric Sonography MRTY5084, **245, 342**
Clinical Prac in Superficial Str Sono MRTY5080, **245, 342**
Clinical Practice 1 CSCD5027, **286, 287, 288, 289, 290, 324, 325, 326**
Clinical Practice 2 CSCD5031, **192, 287, 288, 289, 290, 324, 325, 326**
Clinical Practice 3 - Adult CSCD5054, **192, 287, 288, 289, 290, 291, 325, 326**
Clinical Practice 3 - Paediatric CSCD5053, **192, 287, 288, 289, 290, 291, 325, 326**
Clinical Practice A PHTY5111, **263, 264, 265, 266, 267, 268, 269, 272, 354**
Clinical Practice B PHTY5113, **263, 264, 265, 266, 267, 268, 269, 272, 354**
Clinical Practice in Breast Sonography MRTY5105, **245, 343**
Clinical Practice in Cardiac Sonography MRTY5083, **245, 342**
Clinical Practice in Independent Study MRTY5085, **245, 342**
Clinical Practice in Vascular Sonography MRTY5081, **245, 342**
Clinical Processes CSCD2059, **109, 110, 138**
Clinical Project ORTH4026, **92, 167**
Clinical Reproductive Medicine RHHG5007, **201, 368**
Clinical Review in Speech-Lang Pathology CSCD5052, **192, 290, 326**
Clinical Sports Physiotherapy A PHTY5104, **273, 354**
Clinical Sports Physiotherapy B PHTY5108, **273, 354**
Clinical Sports Physiotherapy C PHTY5157, **274, 357**
Clinical Sports Physiotherapy D PHTY5158, **274, 357**
Clinical Studies Nuclear Medicine 1 MRSC5030, **234, 235, 336**
Clinical Studies Nuclear Medicine 2 MRSC5031, **234, 235, 336, 337**
Clinical Studies Nuclear Medicine 3 MRSC5032, **234, 235, 337**
Clinical Studies Nuclear Medicine 4 MRSC5033, **234, 235, 337**
Clinical Studies Radiation Therapy 1 MRSC5034, **236, 237, 337**
Clinical Studies Radiation Therapy 2 MRSC5035, **236, 237, 337**
Clinical Studies Radiation Therapy 3 MRSC5036, **236, 237, 337**
Clinical Studies Radiation Therapy 4 MRSC5037, **236, 237, 337**
Clinical Studies Radiography 1 MRSC5026, **232, 233, 336**
Clinical Studies Radiography 2 MRSC5027, **232, 233, 336**
Clinical Studies Radiography 3 MRSC5028, **232, 233, 336**
Clinical Studies Radiography 4 MRSC5029, **232, 233, 336**
Clinical Teaching and Supervision BACH5085, **208, 240, 245, 294, 309, 314**
Clinical Trials and Data Management HIMT5025, **223, 224, 225, 331, 332**
Clin Oriented Musculoskeletal Anatomy BIOS5050, **310, 310, 319, 319**
Cognition and Cognitive Impairment BACH2128, **86, 128**
Cognitive & Perceptual Components of OT SING4056, **117, 175**
Cognitive Factors in Health BACH1159, **106, 108, 112, 128**
Cognitive Neuropsychology BACH2142, **110, 128**
Cognitive Neuropsychology I BACH2109, **107, 108, 112, 121, 128**
Cognitive Neuropsychology II BACH3055, **107, 108, 112, 121, 128**
Communication & Developmental Disability GSDD5007, **192, 196**
Communication and Lifelong Disability CSCD3024, **106, 107, 108, 112, 139, 142**
Communication Fieldwork I CSCD2053, **107, 108, 112, 139, 140**
Communication Fieldwork II CSCD2054, **107, 108, 112, 139, 140**

Communication Fieldwork III CSCD3056, **112, 140**
Communication Fieldwork IV CSCD3057, **112, 140**
Communication Skills in Sexual Health BIOS5070, **197, 198, 199, 200, 319, 320**
Communication Studies CSCD3059, **113, 141**
Community Aged Care BACH5036, **182, 183, 296, 309, 313**
Community and Public Health Nutrition NUTR3912, **62, 65, 162**
Community Based Programs Development SING4054, **117, 175**
Community Based Rehabilitation OCCP4062, **87, 165**
Community Development B AHCD5060, **184, 312**
Community Living GSDD5013, **196**
Community Nursing NURS6007, **51, 68, 161**
Components of Occ Performance IA OCCP1091, **87, 166**
Components of Occ Performance IIA OCCP2080, **86, 164**
Components of Occ Performance IIB OCCP2044, **87, 163, 166**
Components of Occ Performance III OCCP3066, **87, 88, 165, 166**
Computer Access & Environmental Control OCCP5234, **188, 252, 349**
Computer Communication in MRT SING4059, **118, 175**
Concepts in Paediatric Physiotherapy PHTY5131, **267, 271, 273, 356**
Concomitant Strabismus ORTH5043, **256, 258, 259, 350, 351**
Consultation: The Other Service Delivery OCCP5189, **185, 186, 188, 189, 190, 345**
Contemporary Issues 1 BACH5198, **208, 310, 315, 316**
Contemporary Issues 2 BACH5200, **208, 310, 315**
Contemporary Issues: Health Info A HIMT4052, **72, 148**
Contemporary Issues: Health Info B HIMT4053, **72, 149**
Contemporary Issues in Health & Medicine BACH3132, **102, 130**
Contemporary Issues in Indigenous Health AHCD5071, **184, 312**
Core Studies CSCD5018, **286, 287, 288, 324**
Counselling &Behaviour Management for CD BACH2143, **110, 128**
Counselling BACH5143, **208, 309, 310, 314, 317**
Counselling in Sexual Health I BIOS5071, **201, 320**
Counselling in Sexual Health II BIOS5072, **201, 320**
Counselling Skills BACH3143, **46, 130**
Craniofacial Anomalies CSCD3034, **107, 108, 112, 139, 142**
Critical Issues-Developmental Disability GSDD5001, **192, 194, 195, 330**
CT Applications MRTY5039, **240, 338**
CT for Nuclear Medicine Technologists MRTY3116, **81, 157**
CT for Nuclear Medicine Technologists MRTY5097, **241, 343**
CT Practice II MRTY5041, **241, 338**
CT Practice I MRTY5040, **241, 338**
Current Issues in Health, Law & Medicine AHCD4014, **74, 126**
Current Issues in Healthcare BIOS3066, **51, 51, 136, 136**
Current Issues in Medical Radiations MRTY5024, **239, 240, 241, 338**
Current Issues in Ophthalmology ORTH5059, **191, 353**
Current Topics in CVS ORTH5052, **255, 353**
Curriculum Leadership BACH5007, **209, 294, 309, 312**
Cyberpsychology and e-Health BACH3146, **102, 121, 130**
Cyberpsychology and Online Health BACH5338, **209, 228, 310, 318**

D

Database Management Systems HIMT5052, **224, 225, 331**
Designing Health Research BACH1143, **51, 86, 96, 122, 127, 130, 168, 209, 252, 311, 316, 344**
Developing a Research Project BACH4047, **91, 122, 131**
Developing a Research Project BACH5268, **258, 350, 351**
Developing a Research Proposal DHSC7005, **300, 302, 311, 327**
Diagnostic Imaging for Rad Therapists MRTY3117, **81, 157**
Diagnostic Methods in Sexual Health SEXH5206, **201, 369**
Digital Communications in Med Radiations MRTY5042, **240, 339**
Digital Imaging MRTY3100, **80, 155**
Directed Readings CSCD3061, **113, 141**
Directed Readings II CSCD3068, **113, 141**
Directed Studies A MRTY5043, **240, 241, 246, 339**
Directed Studies B MRTY5044, **241, 246, 339**
Disability, Work and Quality of Life REHB3063, **122, 173, 275**
Disability and Vision Impairment ORTH2060, **167, 256**
Disease in Ageing BIOS1173, **121, 135**
Dissertation A HIMT5062, **223, 225, 228, 332, 333**
Dissertation A REHB5057, **276, 277, 280, 282, 283, 364, 367**
Dissertation A SING5014, **298, 371**
Dissertation BACH5263, **203, 204, 207, 208, 295, 296, 316**
Dissertation B HIMT5063, **225, 332**
Dissertation B HIMT5090, **223, 228, 333**
Dissertation B REHB5058, **276, 277, 280, 282, 283, 364, 367**
Dissertation B SING5015, **298, 371**
Dissertation GSDD5009, **196, 330**
Dissertation HIMT5061, **225, 332**
Dissertation OCCP5136, **251, 344**
Dissertation REHB5059, **276, 277, 280, 282, 283, 364, 367**
Dissertation SING5013, **298, 371**
Driving Assessment and Training A OCCP5143, **188, 252, 344**
Driving Assessment and Training B OCCP5144, **188, 252, 344**

E

Educational Design BACH5002, **206, 207, 208, 209, 229, 241, 294, 309, 310, 312, 316, 317**
Elective Studies PHTY4109, **96, 97, 172**
Environmental Toxicology BIOS3068, **51, 122, 136**
Epidemiological Research BACH4017, **122, 130**
Epidemiological Research BACH5302, **209, 311, 317**
Epidemiology HIMT3032, **122, 130, 131**
Epidemiology Methods and Uses PUBH5010, **362**
Ergonomics EXSS3038, **57, 58, 59, 68, 147, 148**
Essentials of Classification B HIMT4050, **72, 148**
Ethics, Law and Professional Practice MRTY3101, **80, 155**

Ethnic Minorities and Disability REHB3070, **278, 283, 365**

Evaluating Health Interventions BACH5328, **209, 300, 311, 317**

Evaluating OT Outcomes OCCP5209, **248, 249, 346**

Evaluating OT Programs OCCP5210, **248, 249, 346**

Evaluation of OT Programs OCCP4063, **87, 165**

Evidence-Based Decision Making PHTY5190, **181, 182, 183, 185, 186, 187, 188, 189, 252, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 300, 355, 361**

Evidence Based Health Care HIMT5067, **224, 225, 228, 229, 232, 234, 236, 237, 310, 332**

Evidence Based Health Care Research BACH4071, **122, 131**

Evidence Based Physiotherapy PHTY2045, **96, 168, 169**

Evidence Based Practice SING4083, **116, 177**

Exercise, Health and Disease EXSS3024, **57, 58, 59, 61, 62, 64, 68, 146, 148**

Exercise and Rehabilitation EXSS3027, **57, 58, 59, 62, 64, 68, 146, 148**

Exercise Dissertation EXSS5063, **213, 217, 219, 330**

Exercise for Clinical Populations EXSS5036, **213, 215, 216, 327**

Exercise Metabolism and Physiology EXSS5029, **212, 213, 214, 215, 216, 217, 218, 310, 327, 328, 329, 330**

Exercise Pharmacology & Immunology EXSS3037, **57, 58, 59, 62, 64, 147, 148**

Exercise Physiology - Acute Responses EXSS2019, **57, 58, 59, 61, 62, 63, 64, 68, 145, 146, 147**

Exercise Physiology and Biochemistry EXSS2028, **58, 146**

Exercise Physiology for Clinicians EXSS2027, **46, 49, 57, 59, 61, 62, 64, 67, 68, 99, 146, 147**

Exercise Physiology Training Adaptations EXSS2022, **57, 58, 59, 61, 64, 68, 145, 146, 147**

Exercise Testing and Prescription EXSS3023, **57, 58, 59, 61, 64, 68, 146, 148**

Exercise Throughout the Lifespan EXSS5048, **212, 214, 215, 216, 328**

Exploring Sexual Function & Dysfunction BIOS5074, **200, 201, 320, 321**

Eye Movement Disorders ORTH5031, **255, 257, 258, 259, 350**

F

Facilitating Learning BACH5003, **209, 294, 312**

Falls Prevention With Older People OCCP5187, **182, 183, 186, 189, 252, 310, 345**

Fertility Control RHHG5014, **202, 368**

Field Experience II REHB5054, **275, 277, 279, 280, 281, 283, 364, 366**

Field Experience I REHB5048, **275, 277, 279, 280, 281, 283, 363, 364, 366**

Fieldwork 1 OCCP5211, **247, 248, 249, 250, 346, 347**

Fieldwork 2 OCCP5212, **248, 249, 250, 346, 347, 348**

Fieldwork 3 OCCP5213, **248, 249, 250, 346, 347**

Fieldwork 4 OCCP5214, **248, 249, 250, 347**

Fieldwork 5 OCCP5215, **248, 249, 250, 347, 348**

Financial Management in Health Services HIMT4051, **72, 148**

Food Science Introductory (Advanced) NUTR2911, **61, 64, 161**

Foundations for Doctoral Studies DHSC7003, **300, 302, 311, 326, 327**

Foundations of Health Care Practice MRSC5003, **232, 234, 236, 334**

Foundations of Health Psychology BACH1132, **86, 87, 88, 96, 106, 107, 108, 112, 127, 128, 168**

Foundations of Health Science HSBH1006, **47, 48, 49, 50, 149, 221, 256, 276**

Foundations of Health Sociology BACH1130, **57, 59, 72, 86, 88, 96, 98, 107, 108, 112, 121, 127, 128, 129, 130, 149, 168**

Functional Anatomy A - Exercise Science BIOS1159, **122, 122, 136, 136**

Functional Anatomy A BIOS1136, **86, 86, 87, 87, 96, 96, 121, 121, 122, 122, 133, 133, 136, 136, 144, 144, 168, 168, 169, 169**

Functional Anatomy B (Physiotherapy) BIOS1144, **96, 96, 122, 122, 136, 136, 168, 168**

Functional Anatomy B - Exercise Science BIOS1160, **122, 122, 136, 136**

Functional Anatomy B BIOS1139, **86, 86, 87, 87, 121, 121, 122, 122, 133, 133, 136, 136, 144, 144**

Functional Musculoskeletal Anatomy A BIOS1168, **49, 58, 63, 67, 89, 98, 121, 122, 134, 136, 262, 320**

Functional Musculoskeletal Anatomy B BIOS1169, **49, 58, 63, 67, 98, 121, 122, 134, 136, 262, 320**

Functional Musculoskeletal Anatomy BIOS5073, **262, 262, 320, 320, 358, 358, 359, 359**

Fundamentals of Chemistry 1A CHEM1001, **135, 144**

Fundamentals of Exercise Science EXSS1032, **46, 49, 57, 58, 61, 63, 67, 68, 122, 144, 145, 146**

Fundamentals of Medical Terminology HIMT5023, **221, 223, 224, 225, 228, 229, 237, 310, 331**

Fundamentals of Rehabilitation REHB2026, **278**

G

Geriatrics ORTH5032, **258, 350**

Global Obesity and Disease Prevention PUBH5021, **216, 361**

Growth, Development and Ageing EXSS2026, **57, 58, 62, 64, 67, 68, 122, 145**

H

Health, Attitudes and Interaction BACH1148, **107, 108, 112, 127**

Health, Behaviour and Society HSBH1003, **88, 98, 121, 129, 149**

Health, Ethics and the Law HSBH3004, **45, 46, 47, 150, 222, 255, 256, 275, 277**

Health, Illness and Social Inquiry BACH1134, **88, 98, 121, 129, 130, 149**

Health and Indigenous Populations HSBH3001, **47, 150, 222, 257, 277**

Health Care Ethics SING4062, **115, 117, 118, 175**

Health Care Resources and Systems HSBH1009, **47, 48, 49, 50, 149, 221, 256, 276**

Health Care Systems HIMT5069, **181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 228, 229, 310, 332**

Health Classification Systems HIMT5059, **222, 228, 332**

Health Determinants and Interventions HSBH1008, **47, 48, 49, 50, 149, 221, 256, 276**

Health Economics SING5002, **297, 370**

Health Informatics Applications HIMT5058, **222, 223, 226, 227, 228, 331**

Health Informatics Evaluation HIMT5088, **222, 223, 226, 227, 228, 333**

Health Informatics Principles HIMT5086, **221, 226, 227, 333**

Health Informatics Research Project HIMT5079, **222, 227, 229, 333**

Health Physics and Radiation Biology MRTY1036, **78, 152**

Health Planning, Policy and Evaluation A AHCD4032, **74, 126**

Health Planning, Policy and Evaluation BACH3133, **102, 130**

Health Policy and Service Delivery BACH2127, **72, 86, 128**
Health Policy Development BACH2137, **121, 128, 129**
Health Promotion AHCD5039, **184, 309, 311**
Health Psychology BACH3075, **121, 129**
Health Science and Research HSBH1007, **47, 48, 49, 50, 58, 99, 149, 150, 221, 222, 256, 257, 276, 277**
Health Service Leadership and Change SING5003, **297, 370**
Health Service Marketing SING5005, **297, 370**
Health Service Stategy and Policy HSBH3003, **47, 150, 222, 257, 277**
Health Systems Data Analysis HIMT5089, **222, 223, 227, 228, 333**
Healthy Behaviours-Promoting Self Change BACH5340, **213, 214, 216, 310, 318**
Hearing Science and Audiology BIOS1165, **48, 109, 110, 134, 139**
Hearing Science BIOS1118, **113, 113, 140, 140**
High Performance Coaching EXSS3043, **57, 59, 147**
High Performance Coaching EXSS5055, **214, 215, 218, 329**
History & Philosophy of Science BACH3127, **121**
History and Philosophy of Science BACH4019, **122, 130**
History and Philosophy of Science BACH5298, **209, 245, 311, 316**
History of Medical Radiations MRTY5047, **240, 339**
HIV/AIDS: Developments in Rehabilitation REHB3069, **102, 174, 277, 283, 365**
Honours A: Project Development OCCP5229, **250, 348, 349**
Honours B: Research Analysis and Report OCCP5230, **250, 349**
Honours Dissertation A MRSC5008, **233, 235, 237, 334, 335**
Honours Dissertation B MRSC5021, **231, 233, 235, 237, 335**
Honours Paper I CSCD4039, **113, 143**
Honours Paper II CSCD4040, **113, 143**
Honours Research Dissertation PHTY4101, **96, 98, 172**
Honours Research Proposal BHSC3003, **47**
Honours Research Proposal BHSC3014, **47, 133**
Honours Research Seminar 1 BHSC4001, **47**
Honours Research Seminar 2 BHSC4002, **47**
Honours Research Seminar I CSCD3051, **108, 109, 140, 143**
Honours Research Seminar II CSCD3054, **108, 109, 140, 143**
Honours Research Seminar II OCCP4019, **88, 165**
Honours Research Seminar I OCCP3029, **88, 164**
Honours Thesis/Research Report A BHSC4003, **47**
Honours Thesis/Research Report B BHSC4004, **47**
Honours Thesis 1A MRTY4032, **81, 157**
Honours Thesis 1B MRTY4033, **82, 157**
Honours Thesis A EXSS4004, **59, 66, 148**
Honours Thesis A MRTY4034, **82, 158**
Honours Thesis B EXSS4005, **59, 66, 148**
Honours Thesis B MRTY4035, **82, 158**
Honours Thesis C MRTY4036, **82, 158**
Honours Thesis CSCD4038, **109, 143**
Honours Thesis D MRTY4037, **82, 158**
Honours Thesis I CSCD4045, **113, 143**
Honours Thesis II CSCD4046, **113, 143**
Honours Thesis OCCP4072, **88, 166**
Honours Workshop AHCD4052, **53, 54, 126, 132**
Human Biochemistry BCHM2072, **57, 58, 61, 64, 132, 145**
Human Biology and Biochemistry BIOS1126, **86, 86, 133, 133**
Human Biology BIOL1003, **48, 49, 50, 133, 134**
Human Biology Workshop A AHCD1060, **76, 124**
Human Biology Workshop B AHCD1066, **76, 125**
Human Cell Biology BIOS1167, **48, 58, 61, 63, 64, 67, 78, 89, 98, 99, 109, 121, 134, 135, 144**
Human Communication CSCD1032, **48, 109, 137, 138**
Human Development HSBH1005, **122, 149**
Human Mechanics EXSS5030, **212, 213, 214, 215, 216, 218, 310, 327, 328**
Human Molecular Cell Biology BCHM3072, **62, 64, 132**
Human Motor Learning and Control EXSS5050, **212, 214, 215, 216, 218, 328**
Human Occupations IIA OCCP2041, **86, 163**
Human Occupations IIB OCCP2042, **87, 163**
Human Occupations III OCCP3064, **87, 88, 164, 166**
Human Occupations OCCP5216, **247, 248, 346, 347**
Human Resource Management HIMT5070, **221, 310, 332**
Human Rights and Social Justice AHCD4053, **74, 126**

I

Illness Experience and Nursing Care NURS5006, **51, 67, 68, 159**
Imaging Applications in RT SING4077, **118, 177**
In-service and Continuing Education BACH5024, **316**
Independent Investigation I BACH5151, **208, 309, 315**
Independent Investigation II BACH5022, **209, 309, 313**
Independent Study in Sonography MRTY5072, **245, 341, 342**
Indigenous Community Health AHCD5052, **183, 184, 237, 281, 309, 311**
Indigenous Community Health Project A AHCD3008, **74, 125**
Indigenous Community Health Project B AHCD4001, **74, 125**
Indigenous Community Health Promotion A AHCD4034, **74, 126**
Indigenous Health: Research & Evaluation AHCD5054, **184, 311**
Indigenous Primary Health Care AHCD5070, **184, 312**
Information and Decision Analysis SING5008, **297, 370**
Information Systems in Health Care HIMT5085, **221, 226, 227, 333**
Inquiry and Research in Nursing NURS6008, **51, 68, 161**
Inquiry Topic GSDD5006, **196, 330**
Instrumentation III ORTH3055, **91, 92, 167, 168**
Integrated Diagnosis and Treatment MRTY2089, **79, 80, 153, 155**
Integrated Diagnosis and Treatment SING4075, **118, 176**
Integration of Health Informatics HIMT5060, **222, 223, 226, 227, 228, 229, 332**
Intermediate Clinical IA CSCD3063, **107, 141**
Intermediate Clinical IB CSCD3065, **107, 141**
Intermediate Clinical IH CSCD3050, **108, 140**
Intermediate Clinical IIA CSCD3064, **107, 108, 141, 142, 143, 144**
Intermediate Clinical IIB CSCD3066, **107, 108, 141, 142, 143, 144**
Intermediate Clinical IIH CSCD3053, **108, 109, 140, 142**
Intermediate Statistics BACH4043, **122, 130**

Intermediate Statistics BACH4055, **122, 131**

Intermediate Statistics BACH5253, **209, 300, 316**

International Disease Classification A HIMT5092, **222, 333, 334**

International Disease Classification B HIMT5093, **222, 333**

International Disease Classifications A HIMT5050, **227, 331**

International Disease Classifications B HIMT5051, **228, 331**

International Health and Society BACH5196, **209, 310, 315**

International Health Project HSBH3009, **47, 150, 222, 257, 277**

Introduction to Counselling Skills AHCD1032, **74, 126**

Introduction to Epidemiology HIMT5027, **223, 224, 229, 310, 331**

Introduction to Gerontology BACH5041, **295, 313**

Introduction to Health Psychology BACH1133, **86, 87, 88, 96, 98, 107, 108, 112, 127, 128, 149**

Introduction to Health Research AHCD2022, **74, 126**

Introduction to Management Principles HIMT1051, **51, 148, 221**

Introduction to Professional Practice ORTH5041, **256, 259, 351**

Introduction to Sexual Health BIOS5069, **197, 198, 199, 200, 319**

Introduction to STIs & HIV SEXH5109, **201, 369**

Introductory Behavioural Health Sciences BACH1161, **57, 58, 59, 63, 67, 78, 121, 127, 130**

Introductory Biostatistics PUBH5018, **300, 361**

Introductory Clinical I CSCD2048, **107, 108, 112, 139, 140**

Introductory Clinical II CSCD2049, **107, 108, 112, 113, 139, 140, 141**

Introductory Neuroscience BIOS1137, **49, 49, 57, 57, 58, 58, 61, 61, 63, 63, 64, 64, 67, 67, 68, 68, 99, 99, 121, 121, 122, 122, 133, 133, 135, 135, 136, 136, 144, 144, 262, 262, 319, 319**

Introductory Practice 1: Clinical CSCD2060, **110, 138**

Introductory Practice 1: Community CSCD2061, **110, 138**

Introductory Rehabilitation Counselling REHB5076, **275, 277, 279, 281, 282, 366, 367**

Introductory Sonography MRTY3115, **80, 157**

Introductory Toxicology BIOS2111, **50, 50, 51, 51, 122, 122, 136, 136**

Investigative Project MRTY5086, **244, 342**

K

Kinesiology for Occupational Therapy EXSS2015, **87, 144**

L

Language 1 CSCD5021, **286, 287, 288, 289, 324, 325**

Language 2 CSCD5024, **286, 287, 288, 289, 324, 325**

Language Impairments in Children I CSCD2041, **107, 108, 113, 139**

Language Impairments in Children II CSCD2042, **107, 108, 112, 113, 139, 140, 141**

Language Impairments in Children III CSCD3036, **107, 108, 113, 139, 142**

Law and Ethics in Sexual Health BIOS5080, **202, 322**

Leadership in Speech Pathology CSCD5055, **192, 326**

Leading in the Health Professions DHSC7006, **300, 302, 327**

Learning in Groups BACH5118, **208, 309, 314**

Learning in the Workplace BACH5284, **209, 294, 310, 316**

Lecturing and Large Group Teaching BACH5336, **208, 294, 310, 317**

Legal Aspects of Rehabilitation REHB5052, **280, 364**

Legal Perspectives and Health Care SING4063, **115, 117, 118, 175**

Life Sciences Calculus MATH1011, **62, 64, 151**

Literacy - Developmental Disability GSDD5019, **192, 197**

M

Maladaptive Behaviours/Behaviour Change BACH2126, **87, 88, 96, 106, 108, 112, 128**

Management, Marketing and the Law EXSS3041, **57, 59, 102, 147**

Management Principles and Practice B HIMT3056, **72, 149**

Managing HR and IR in the Health Sector SING5007, **297, 370**

Managing Occupational Therapy Services SING4055, **117, 175**

Managing Resources in Health Services SING4065, **116, 117, 118, 119, 176**

Managing Sexual Dysfunctions BIOS5075, **199, 200, 201, 320**

Maternity, Child & Adolescent Nursing I NURS6002, **51, 68, 160**

Mathematics Workshop B AHCD1064, **76, 124**

Maths Workshop A AHCD1058, **76, 124**

Medical and Metabolic Biochemistry BCHM3082, **62, 64, 132**

Medical Aspects of Disability REHB5012, **276, 279, 280, 281, 282, 362, 364**

Medical Radiation Physics MRTY1031, **78, 79, 151, 152, 153**

Medical Radiation Project MRTY3102, **81, 155**

Medical Radiation Science 1 MRSC5002, **232, 233, 234, 235, 236, 237, 334, 337, 338**

Medical Radiation Science Nuclear Med 2 MRSC5040, **234, 235, 337, 338**

Medical Radiation Science Nuclear Med 3 MRSC5041, **234, 235, 337**

Medical Radiation Science Physics MRTY3104, **81, 155**

Medical Radiation Science Radiography 2 MRSC5038, **232, 233, 337**

Medical Radiation Science Radiography 3 MRSC5039, **232, 233, 337**

Medical Radiation Science Rad Therapy 2 MRSC5042, **236, 237, 338**

Medical Radiation Science Rad Therapy 3 MRSC5043, **236, 237, 338**

Mental Health - Developmental Disability GSDD5018, **196, 331**

Mental Health in Later Life BACH5027, **182, 296, 309, 313**

Mental Health Interventions OCCP4075, **87, 166**

Mental Health Nursing Practice II NURS6006, **51, 68, 160**

Mental Health Nursing Practice I NURS5007, **51, 68, 159**

Metabolic Epidemiology BACH4073, **122, 131**

Methods in Nutrition Practice NUTR3921, **62, 64, 148, 162**

Molecular Biology and Genetics (Intro) MBLG1001, **63, 151**

Molecular Biology and Genetics A MBLG2071, **61, 63, 151**

Molecules and Energy BIOS1130, **57, 57, 61, 61, 67, 67, 96, 96, 135, 135, 144, 144**

Motor Control and Learning EXSS2025, **46, 49, 57, 59, 62, 64, 67, 99, 145**

Motor Control EXSS2016, **57, 59, 61, 67, 144, 147**

Motor Performance and Learning PHTY1021, **96, 169**
Motor Speech and Dysphagia CSCD2062, **110, 139**
MR Applications 1 MRTY5052, **241, 339**
MR Applications 2 MRTY5053, **241, 339**
MR Theory MRTY3118, **81, 157**
MR Theory MRTY5051, **241, 339, 342**
Multicultural Rehabilitation Management REHB5067, **278, 283, 365**
Multidisciplinary-Collaborative Practice GSDD5004, **192, 196, 330**
Muscle Mechanics and Training EXSS1029, **58, 61, 64, 99, 144**
Muscle Mechanics EXSS1028, **96, 169**
Musculoskeletal Physiotherapy A PHTY2050, **96, 97, 169, 170**
Musculoskeletal Physiotherapy B PHTY2051, **96, 97, 169, 170**
Musculoskeletal Physiotherapy C PHTY3053, **97, 98, 170, 171**
Musculoskeletal Physiotherapy D PHTY3054, **97, 98, 170, 171**
Musculoskeletal Physiotherapy E PHTY4092, **97, 98, 171, 172**
Musculoskeletal Physiotherapy III PHTY5178, **262, 358, 359, 360**
Musculoskeletal Physiotherapy II PHTY5172, **262, 358, 359**
Musculoskeletal Physiotherapy I PHTY5171, **262, 358, 359**
Musculoskeletal Physiotherapy IV PHTY5179, **262, 358, 359, 360**
Musculoskeletal Principles of Exercise EXSS5062, **212, 330**
Musculoskeletal Sonography MRTY5102, **245, 343**
Musculoskeletal Sports Injuries A PHTY5103, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354**
Musculoskeletal Sports Injuries B PHTY5106, **263, 264, 265, 266, 267, 268, 269, 270, 272, 273, 354, 355**

N

Neurobiology II: Communication Disorders BIOS2062, **107, 107, 108, 108, 113, 113, 139, 139, 140, 140, 141, 141**
Neurobiology Support AHCD1019, **75, 123**
Neurogenics 2 CSCD5029, **192, 287, 288, 289, 290, 291, 325, 326**
Neurogenics I CSCD2047, **106, 108, 113, 139**
Neurogenics II CSCD3023, **106, 107, 108, 113, 139, 140, 141, 142**
Neurological Eye Movement Disorders ORTH4020, **91, 92, 167, 168**
Neurological Physiotherapy A PHTY2049, **96, 97, 169, 170**
Neurological Physiotherapy B PHTY3052, **97, 98, 170, 171**
Neurological Physiotherapy II PHTY5177, **262, 359, 360**
Neurological Physiotherapy I PHTY5176, **262, 359**
Neuro Orthoptics ORTH5046, **255, 259, 352**
Neuroscience BIOS1166, **48, 58, 61, 64, 99, 109, 110, 134, 135, 139, 144**
Neuroscience BIOS1171, **49, 58, 63, 68, 89, 99, 121, 135**
Neuroscience I: Communication Disorders BIOS1166, **48, 109, 134**
Neuroscience I BIOS1132, **109, 109, 135, 135**
Neuroscience II: Communication Disorders BIOS2062, **109, 135**
Neuroscience II BIOS1141, **86, 86, 109, 109, 113, 113, 121, 121, 133, 133, 135, 135, 140, 140**
Neurosciences for Physiotherapists BIOS2103, **49, 49, 58, 58, 63, 63, 68, 68, 99, 99, 121, 121, 122, 122, 135, 135, 136, 136**
Neurosciences for Physiotherapists BIOS5055, **262, 262, 319, 319, 358, 358, 359, 359**
Normal Communication Development CSCD1028, **106, 108, 112, 139**
Nosology HIMT5084, **228**
Nuclear Cardiology MRTY5054, **241, 340**
Nuclear Medicine Physics 2 MRTY2084, **79, 81, 153, 155, 156**
Nuclear Medicine Physics 3 MRTY3110, **81, 156**
Nuclear Medicine Practice 1 MRTY1034, **78, 79, 152, 153**
Nuclear Medicine Practice 2.1 MRTY2083, **79, 153**
Nuclear Medicine Practice 2.2 MRTY2095, **79, 80, 154, 156**
Nuclear Medicine Practice 3 MRTY3108, **80, 156**
Nursing and Health Assessment SING4087, **116, 177**
Nursing and the Politics of Health Care NURS6004, **51, 68, 160**
Nursing Care for Chronic Conditions NURS6003, **51, 68, 160**
Nursing Concepts: Bodies and Boundaries NURS5001, **51, 68, 158**
Nursing in Complex Clinical Situations SING4088, **116, 177**
Nursing Knowledge and Health Care SING4072, **115, 176**
Nursing Observations and Bio Parameters NURS6001, **51, 68, 159**
Nutrition, Health and Performance EXSS2021, **57, 58, 145**
Nutritional Assessment Methods NUTR3911, **62, 64, 148, 161**
Nutritional Science Introductory (Adv) NUTR2912, **61, 64, 161**
Nutrition and Chronic Disease NUTR3922, **62, 65, 162**
Nutrition for Health, Exercise & Sport EXSS3042, **68, 147**
Nutrition for Health, Exercise and Sport EXSS5047, **214, 215, 216, 218, 328**
Nutrition Practice for Health & Exercise EXSS3047, **62, 148**
Nutrition Research A NUTR4101, **62, 65, 162**
Nutrition Research B NUTR4102, **62, 65, 162**
Nutrition Research C NUTR4103, **63, 65, 162**
Nutrition Research D NUTR4104, **63, 65, 162**

O

Observation in Nursing Practice NURS5003, **51, 67, 68, 158**
Occ Therapy Theory and Process III OCCP3032, **87, 88, 164**
Occupational Peerformance: Healthcare 1 OCCP1099, **89, 163**
Occupations/Roles Across the Lifespan II OCCP2077, **86, 164**
Ocular Pathology A ORTH5023, **258, 349, 350**
Ocular Pathology B ORTH5026, **258, 349, 350**
Ocular Pathology ORTH5050, **255, 256, 259, 352**
Older People in the Community BACH3096, **102, 121, 129**
Optimising Motor Performance A PHTY5114, **266, 271, 355**

Optimising Motor Performance B PHTY5116, **266, 271, 273, 355**

Organisational and Managerial Behaviour SING5001, **297, 369**

Organisational Management BACH5224, **209, 296, 310, 316**

Orthoptics in Adult Practice ORTH4021, **91, 92, 167**

Orthoptics in Ophthalmic Practice ORTH4022, **91, 92, 167**

OT Assessment and Planning OCCP5217, **247, 248, 249, 346, 347, 348**

OT in Home and Community Environments OCCP5218, **248, 347**

OT in Learning & Co-ord Difficulties OCCP4056, **87, 165**

OT in Occ Health, Safety & Rehab OCCP4068, **87, 166**

OT in School and Work Environments OCCP5219, **248, 249, 347**

OT Theory and Process II OCCP2076, **86, 164**

P

Paediatric Physiotherapy PHTY5184, **262, 360, 361**

Paediatric Sonography MRTY5076, **245, 341, 342**

Paediatrics ORTH5030, **258, 349, 350**

Parenting with Developmental Disability GSDD5014, **196**

Pathophysiology A SING4066, **115, 115, 117, 117, 118, 118, 119, 119, 176, 176**

Pathophysiology B SING4067, **115, 115, 117, 117, 118, 118, 119, 119, 176, 176**

Patient-Practitioner Relationships SING4071, **116, 119, 176**

Patient/Client Education SING4064, **116, 118, 175**

Patient/Practitioner Communication MRTY5056, **241, 310, 340**

Patient Management Theories/Applications BACH3056, **106, 108, 112, 128**

People with Intellectual Disability OCCP4078, **87, 166**

Peri Operative Practice ORTH5055, **190, 191, 353**

Person - Enviromment - Occupation OCCP5228, **248, 249, 250, 348**

Perspectives on Rehab Legislation REHB5079, **276, 277, 282, 367**

Physical Activity and Public Health PUBH5022, **216, 362**

Physical Health-Developmental Disability GSDD5015, **197**

Physics and Instrumentation II MRTY5068, **243, 244, 341**

Physics and Instrumentation I MRTY5088, **243, 244, 246, 341, 342**

Physics Support AHCD1014, **75, 123**

Physiological Testing and Training EXSS3040, **57, 59, 147**

Physiotherapy for Older People PHTY4100, **96, 97, 98, 172**

Physiotherapy for Older Persons PHTY5185, **262, 360, 361**

Physiotherapy in Childhood PHTY4096, **96, 97, 98, 171**

Physiotherapy in Pulmonary Rehab PHTY5163, **263, 264, 269, 358**

Physiotherapy in Recreation PHTY4098, **96, 97, 98, 172**

Physiotherapy in Selected Populations PHTY5186, **262, 360, 361**

Physiotherapy in the Community PHTY4099, **96, 97, 98, 172**

Physiotherapy in the Workplace PHTY4097, **96, 97, 98, 171**

Physiotherapy Management in Acute Care PHTY5169, **264, 269, 358**

Physiotherapy Practicum A PHTY3055, **97, 170**

Physiotherapy Practicum B PHTY3056, **97, 170**

Physiotherapy Practicum C PHTY3057, **97, 170**

Physiotherapy Practicum D PHTY4094, **97, 98, 171, 172**

Physiotherapy Practicum E PHTY4095, **97, 98, 171, 172**

Physiotherapy Practicum III PHTY5182, **262, 360, 361**

Physiotherapy Practicum II PHTY5181, **262, 360, 361**

Physiotherapy Practicum I PHTY5180, **262, 360, 361**

Physiotherapy Practicum IV PHTY5189, **262, 361**

Positive Behaviour Support:Promoting QOL GSDD5012, **196, 331**

Post Trauma Stress BACH5165, **209, 310, 315**

Preparation for Practice MRTY1032, **78, 80, 83, 151, 152, 155**

Prevention and Care of Radiation Injury MRTY5057, **241, 340**

Primary Health Care II AHCD2015, **74, 126**

Primary Health Care III AHCD4035, **74, 126**

Principles of Exercise Programming EXSS5058, **212, 329, 330**

Principles of Exercise Science EXSS1033, **57, 58, 61, 63, 145, 146**

Principles of Sexual Health Research BIOS5085, **199, 200, 201, 202, 319, 323**

Professional Development 1 CSCD5026, **286, 287, 288, 289, 325**

Professional Development 2 CSCD5030, **287, 288, 289, 290, 325, 326**

Professional Development 2H CSCD5035, **288, 289, 290, 325, 326**

Professional Development IIB CSCD2052, **107, 108, 112, 139, 140**

Professional Development III CSCD3032, **107, 108, 112, 139, 142**

Professional Development IIIH CSCD3052, **108, 109, 140, 142**

Professional Development IVA CSCD4027, **107, 142**

Professional Development IVB CSCD4031, **108, 142**

Professional Development IVH CSCD4036, **109, 142**

Professional Development ORTH5033, **258, 350, 351**

Professional Development Skills BACH5186, **181, 182, 185, 186, 187, 188, 189, 209, 241, 294, 296, 310, 315**

Professional Elective - General OCCP4077, **87, 166**

Professional Experience 1A ORTH5024, **258, 349, 350**

Professional Experience 1B ORTH5027, **258, 349, 350**

Professional Experience 1C ORTH5028, **258, 349, 350**

Professional Experience 2A ORTH5035, **258, 350, 351**

Professional Experience 2B ORTH5036, **258, 350, 351**

Professional Experience 2C ORTH5037, **258, 350, 351**

Professional Experience HIMT5091, **222, 333**

Professional Issues MRTY5067, **243, 244, 246, 341**

Professional Practice-Health Informatics HIMT5087, **222, 226, 227, 333**

Professional Practice A ORTH5044, **255, 256, 259, 351**

Professional Practice A REHB5074, **275, 277, 279, 281, 283, 366**

Professional Practice B HIMT3058, **72, 149**

Professional Practice B ORTH5045, **255, 256, 259, 352**

Professional Practice B REHB5080, **276, 277, 282, 283, 367**

Professional Practice C HIMT4054, **72, 149**

Professional Practice C ORTH5048, **255, 257, 259, 352**

Professional Practice D ORTH5049, **255, 257, 259, 352**

Professional Practice EXSS5059, **212, 329, 330**

Professional Practice II AHCD2020, **74, 125**

Professional Practice IIA REHB2021, **101, 174**
Professional Practice IIB REHB2025, **101, 174**
Professional Practice III AHCD3009, **74, 125**
Professional Practice IIIA OCCP3061, **87, 88, 89, 164, 165, 166**
Professional Practice IIIA ORTH3062, **167, 168**
Professional Practice IIIA REHB3049, **101, 174**
Professional Practice IIIB OCCP3065, **87, 88, 89, 165**
Professional Practice IIIB ORTH3063, **92, 167, 168**
Professional Practice IIIB REHB3050, **101, 174**
Professional Practice IIID OCCP3070, **165**
Professional Practice IIIE OCCP3071, **85, 165**
Professional Practice IIIF OCCP3072, **85, 165**
Professional Practice IIIHA ORTH3064, **92, 167, 168**
Professional Practice IIIHB ORTH3065, **92, 167, 168**
Professional Practice II OCCP2081, **87, 88, 164, 165**
Professional Practice II PHTY5188, **262, 361**
Professional Practice I OCCP1094, **87, 164**
Professional Practice I OCCP1100, **89, 163**
Professional Practice I PHTY5174, **262, 359**
Professional Practice IV (Hons) OCCP4071, **88, 166**
Professional Practice IV AHCD4002, **74, 125**
Professional Practice IVA ORTH4035, **92, 167**
Professional Practice IVA REHB4021, **101, 174**
Professional Practice IVB ORTH4036, **92, 168**
Professional Practice IVB REHB4022, **101, 174**
Professional Practice IVC ORTH4037, **92, 168**
Professional Practice IVHA ORTH4027, **92, 167, 168**
Professional Practice IVHA REHB4024, **101, 174**
Professional Practice IVHBA ORTH4045, **92, 168**
Professional Practice IVHBB ORTH4046, **92, 168**
Professional Practice IVHBC ORTH4047, **92, 168**
Professional Practice IVHB REHB4025, **101, 174**
Professional Practice IV OCCP4051, **87, 165**
Professional Practice Nuclear Medicine 1 MRSC5009, **234, 235, 334, 335**
Professional Practice Nuclear Medicine 2 MRSC5010, **234, 235, 335**
Professional Practice Nuclear Medicine 3 MRSC5022, **234, 235, 335, 338**
Professional Practice Nuclear Medicine 4 MRSC5023, **234, 235, 335**
Professional Practice PHTY2046, **96, 97, 98, 100, 168, 170, 171**
Professional Practice Radiography 1 MRSC5001, **232, 233, 334**
Professional Practice Radiography 2 MRSC5005, **232, 233, 334, 335**
Professional Practice Radiography 3 MRSC5013, **232, 233, 234, 235, 236, 237, 335, 338**
Professional Practice Radiography 4 MRSC5014, **232, 233, 335**
Professional Practice Rad Therapy 1 MRSC5011, **236, 237, 335**
Professional Practice Rad Therapy 2 MRSC5012, **236, 237, 335**
Professional Practice Rad Therapy 3 MRSC5024, **232, 233, 234, 235, 236, 237, 336, 338**
Professional Practice Rad Therapy 4 MRSC5025, **236, 237, 336**
Professional Studies ORTH4023, **91, 92, 167, 168**
Professional Studies Support (1A) AHCD1016, **75, 123**
Professional Studies Support (1B) AHCD1017, **75, 123**
Professional Studies Support (2) AHCD2009, **75, 125**
Program Planning and Evaluation AHCD5002, **281, 311**
Project Design and Management BIOS3063, **46, 46, 47, 47, 51, 51, 136, 136, 255, 255**
Project Management HIMT5065, **222, 223, 224, 225, 226, 227, 228, 229, 332**
Psychiatric Rehabilitation REHB5042, **276, 277, 281, 282, 283, 362, 367**
Psychiatric Rehabilitation REHB5077, **276, 277, 282, 283, 367**
Psychology 1001 PSYC1001, **47, 48, 49, 50, 172, 221, 256, 276**
Psychology and Cognitive Factors (Intro) BACH1165, **109, 110, 127, 128**
Psychology and Mental Health BACH3144, **121, 129**
Psychology for Graduate Students BACH5321, **209, 237, 310, 315, 317**
Psychology of Ageing BACH5147, **182, 189, 309, 314**
Psychosocial and Cognitive Strategies OCCP5222, **248, 249, 348**
Psychosocial Aspects of Disability REHB5047, **276, 279, 280, 281, 282, 363, 364**
Psychotherapy BACH5324, **208, 310, 317**
PTSD and Rehabilitation REHB3065, **102, 122, 173, 277, 283, 365**
Public Health Aspects of HIV/AIDS SEXH5102, **202, 369**
Public Health Aspects of STDs SEXH5101, **202, 368**
Public Offenders: Aspects of Rehab REHB5068, **278, 283, 365**
Public Offenders: Criminality & Rehab REHB3062, **102, 122, 173, 278, 283, 365**

Q

Qualitative Health and Social Research BACH1147, **72, 87, 127, 252, 311, 344**
Qualitative Research Methods BACH4045, **102, 122, 131**
Qualitative Research Methods BACH4056, **54, 131**
Qualitative Research Methods BACH5255, **209, 228, 300, 311, 316**
Quality Management in Medical Radiations MRTY5058, **241, 340**
Quantitative Health and Social Research BACH1145, **51, 86, 101, 102, 106, 108, 112, 122, 127, 130, 209, 252, 311, 316, 344**

R

Radiation Safety MRTY5059, **241, 340**
Radiation Therapy Physics 2 MRTY2087, **79, 80, 81, 153, 155, 157**
Radiation Therapy Practice 1 MRTY1035, **78, 79, 152, 153**
Radiation Therapy Practice 2.1 MRTY2086, **79, 80, 153, 155, 157**
Radiation Therapy Practice 2.2 MRTY2098, **80, 155, 156, 157**
Radiation Therapy Practice 3.1 MRTY3111, **80, 81, 156, 157**
Radiation Therapy Practice 3.2 MRTY3113, **81, 157**
Radiation Therapy Tmt Planning Systems MRTY5060, **241, 340**
Radiographic Image Interpretation A MRTY5098, **241, 343**
Radiographic Image Interpretation B MRTY5099, **241, 343**
Radiographic Image Interpretation C MRTY5100, **241, 343**
Radiographic Interpretation of Pathology SING4076, **118, 176**

Radiographic Physics 2 MRTY2082, **79, 80, 81, 152, 155, 156**

Radiographic Physics 3 MRTY3107, **81, 156**

Radiographic Practice 1 MRTY1033, **78, 152**

Radiographic Practice 2.1 MRTY2080, **78, 152**

Radiographic Practice 2.2 MRTY2092, **79, 80, 154, 155, 156**

Radiographic Practice 3 MRTY3105, **80, 155**

Readings 1 CSCD3060, **113, 141**

Readings II CSCD3073, **113, 141**

Reflexive Practice 1 OCCP5223, **248, 249, 346, 348**

Reflexive Practice 2 OCCP5224, **248, 249, 250, 348**

Refraction Practice ORTH5054, **190, 191, 353**

Rehab Counselling Dissertation A REHB5078, **276, 277, 282, 283, 367**

Rehab Counselling Dissertation B REHB5081, **276, 277, 282, 283, 367**

Rehabilitation and Case Management REHB5051, **29, 275, 277, 279, 280, 281, 282, 363, 366**

Rehabilitation and PTSD REHB5034, **277, 281, 283, 362, 365**

Rehabilitation and Substance Abuse REHB5014, **277, 281, 283, 362, 365**

Rehabilitation Counselling A REHB5043, **275, 277, 279, 280, 281, 282, 362, 363, 367**

Rehabilitation Counselling B REHB5049, **275, 277, 279, 280, 281, 282, 363, 366**

Rehabilitation Counselling IIIB REHB3043, **101, 174**

Rehabilitation Counselling IV REHB4009, **101, 174**

Rehabilitation for Vision Impairment ORTH4024, **91, 167**

Rehabilitation of Alcohol & Drug Misuse REHB5069, **277, 283, 365**

Rehabilitation of PTSD REHB5063, **277, 283, 365**

Rehabilitation of Public Offenders REHB5016, **278, 281, 283, 362, 365**

Rehabilitation Philosophy REHB5060, **276, 278, 279, 281, 282, 364**

Rehabilitation Theory REHB5045, **276, 278, 279, 280, 281, 282, 363, 364**

Rehab of Persons with Hearing Loss REHB3056, **102, 172**

Relational Database Management Systems COMP5138, **222, 226, 227, 324**

Reproduction and Cancer RHHG5021, **202, 368**

Reproductive, Maternal and Child Health RHHG5006, **202, 368**

Reproductive Sciences and Medicine RHHG5005, **202, 368**

Reproductive Sciences RHHG5010, **201, 368**

Research & Inquiry in Health Professions BACH5341, **181, 182, 184, 185, 186, 187, 188, 189, 190, 191, 192, 201, 209, 213, 214, 216, 218, 222, 223, 225, 226, 227, 228, 229, 232, 233, 234, 235, 236, 237, 249, 250, 252, 258, 259, 311, 318, 327, 332, 333, 350, 351**

Research and Practice EXSS3036, **57, 146**

Research Dissertation HSGS5001, **193, 334**

Research Elective Independent Study OCCP4070, **88**

Research Elective Independent Study OCCP5145, **252, 311, 344**

Research in Clinical Practice 1 CSCD5036, **289, 290, 326**

Research in Clinical Practice 2 CSCD5037, **290, 326**

Research in Medical Radiation Sciences MRTY3099, **80, 81, 155**

Research Led Practice CSCD5032, **192, 287, 288, 289, 290, 324, 325**

Research Methods: Analysis SING4069, **116, 118, 119, 176**

Research Methods: Design SING4068, **116, 118, 119, 176**

Research Methods for Health Sciences BACH2140, **78, 80, 128, 155**

Research Methods I BACH2115, **122, 131**

Research Methods II BACH3059, **131**

Research Methods in Health HSBH3006, **47, 150, 222, 257, 277**

Research Methods Support (1) AHCD1015, **75, 123**

Research Methods Support (2B) AHCD2011, **75, 125**

Research Project 1 ORTH5047, **255, 257, 259, 352**

Research Project 2 ORTH5051, **255, 257, 259, 352**

Research Project: Data Collection BACH4082, **53, 132**

Research Project: Interpretation BACH4083, **54, 132**

Research Project Development BACH3126, **122, 129**

Research Project I HIMT4055, **72, 149**

Research Project II HIMT4056, **72, 149**

Research Project in Leisure and Health OCCP3052, **85, 164**

Research Project ORTH5038, **258, 350**

Research Report A ORTH4028, **92, 167**

Research Report B ORTH4030, **92, 167**

Research Thesis Support BACH4080, **54, 132**

Residential Care Policies and Services BACH5058, **296, 309, 313**

S

Scholarship in Speech-Language Pathology CSCD5050, **192, 290, 326**

Scientific Practice II PHTY5187, **262, 361**

Scientific Practice I PHTY5173, **262, 358**

Selected Topic OCCP5070, **253, 344**

Selected Topic OCCP5185, **253, 345**

Sensory Processing: Theory to Practice OCCP5225, **190, 252, 348**

Sex, Gender and Sexuality BIOS5083, **202, 322**

Sexology/Sexual Hlth: Global Perspective HSBM4001, **122, 150**

Sexual Assault BIOS5081, **202, 322**

Sexual Attitude Reassessment BIOS5084, **202, 323**

Sexual Counselling Practicum BIOS5087, **199, 200, 202, 323**

Sexual Health Placement and Supervision BIOS5067, **198, 199, 200, 201, 319, 323**

Sexual Health Research Project BIOS5086, **202, 323**

Sexuality and Ageing BIOS5079, **182, 183, 201, 321**

Sexuality and Developmental Disability GSDD5016, **197**

Sexuality for Health Professionals BIOS4035, **102, 122, 137**

Sexuality in Illness and Disability BIOS5088, **201, 323**

Skills for Teaching Health AHCD4049, **74, 126**

Social & Policy Aspects of Sexual Health SEXH5100, **202, 368**

Social Contexts of Health NURS5002, **51, 67, 68, 158**

Sociology for Health Professionals BACH5322, **310**

Sociology of Sport BACH3081, **57, 59, 121, 129, 130**

Sociology of the Aged and Ageing BACH3082, **121, 129**

Sociology of Work and Organisations SING4070, **116, 118, 119, 176**

Sonography in Obstetrics and Gynaecology MRTY5069, **245, 341, 342**

Special Investigation BACH4084, **54, 132**

Special Investigation BACH5026, **182, 183, 185, 187, 189, 190, 209, 214, 218, 252, 253, 300, 302, 311, 313**

Specialised Skeletal Scintigraphy MRTY5062, **241, 340**

Specialist Intervention OCCP5206, **188, 345**

Specialist Studies 1 CSCD5022, **192, 286, 287, 288, 289, 290, 291, 324, 325**

Specialist Studies 2 CSCD5025, **286, 287, 288, 325**

Specialist Studies 3 CSCD5028, **192, 287, 288, 289, 290, 291, 324, 325, 326**

Special Study A ORTH5019, **258, 349**

Speech Pathology Practice (Introduction) CSCD5019, **286, 287, 288, 324, 325**

Speech Science BIOS1163, **48, 109, 110, 134, 139**

Speech Science I BIOS1116, **48, 48, 107, 107, 108, 108, 109, 109, 112, 112, 113, 113, 134, 134, 139, 139**

Speech Science II BIOS1117, **107, 107, 108, 108, 112, 112, 113, 113, 139, 139**

Sport, Society & Social Theory BACH3130, **57, 59, 121, 130**

Sport Coaching EXSS1034, **57, 59, 147**

Sports Biomechanics EXSS5046, **212, 214, 215, 216, 218, 328**

Stabilisation and Positioning MRTY5064, **241, 341**

Statistical Tests STAT2012, **62, 64, 177**

Statistics for Clinical Research BACH5068, **222, 223, 224, 225, 226, 227, 228, 229, 300, 311, 313, 333**

Strategic Management and Planning SING5006, **297, 370**

Stress and Illness: Management Issues BACH5180, **209, 310, 315**

Structure, Function and Disease A BIOS1155, **78, 78, 80, 80, 133, 133, 157, 157, 256, 256**

Structure, Function and Disease B BIOS1158, **78, 78, 134, 134, 157, 157, 256, 256**

Study Skills AHCD1006, **75, 122**

Stuttering CSCD2058, **109, 138**

Superficial Structures Sonography MRTY5074, **245, 341, 342**

Survey Research Methods BACH4046, **122, 131**

Survey Research Methods BACH4057, **54, 131**

Survey Research Methods BACH5011, **209, 300, 311, 313**

Swallowing and Neurogenics 1 CSCD5023, **192, 286, 287, 288, 289, 290, 291, 324, 325**

Swallowing Impairments CSCD3037, **107, 108, 113, 139, 140, 141, 142**

T

Teaching Clinical Reasoning BACH5042, **209, 241, 294, 309, 313**

Teaching Occupations and Performance OCCP1098, **89, 163**

Technology for Living OCCP4076, **87, 166**

The Eye and Vision ORTH2059, **166, 256**

The Eye and Visual Systems ORTH5039, **259, 351**

Theoretical Basis of Clinical Practice PHTY5105, **263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 354**

Theory in Occupational Therapy OCCP5186, **185, 186, 187, 188, 189, 252, 345**

Theory in the Health Professions DHSC7001, **300, 302, 311, 326**

The Quality Perspective Applied to MRT SING4061, **118, 175**

Therapies for Children and Adolescents BACH5063, **208, 309, 313**

Therapy in Disorders of the Hand PHTY5134, **273, 310, 357**

Thesis A REHB4019, **101, 102, 174**

Thesis B REHB4026, **102, 174**

Topics in Cardiopulmonary Physiotherapy PHTY5119, **269, 355**

Topics in Paediatric Physiotherapy A PHTY5129, **271, 272, 356, 357**

Topics in Paediatric Physiotherapy PHTY5132, **267, 268, 272, 357**

Topics in Physiotherapy Management SING4052, **117, 174**

Topics in Specialised Physiotherapy PHTY5191, **263, 264, 267, 361**

Trends in Speech-Language Pathology CSCD5051, **192, 290, 326**

U

Ultrasound for Physiotherapists PHTY5164, **272, 358**

Understanding Gender and Sexuality BIOS5082, **202, 322**

Understanding Occupation-People-Context OCCP1096, **88, 162**

Understanding Reproductive Health BIOS5076, **201, 321**

Using Water to Promote Participation OCCP5199, **186, 189, 252, 345**

V

Vascular Sonography MRTY5071, **245, 341, 342**

Vision and Driving ORTH5056, **191, 353**

Vision Impairment ORTH5058, **191, 353**

Vocational Development and Counselling REHB5044, **275, 277, 279, 280, 281, 282, 363, 366**

Vocational Development and Counselling REHB5070, **275, 276, 277, 279, 282, 283, 366**

Voice and Voice Disorders 1 CSCD2063, **110, 139**

Voice Science and Disorders CSCD2030, **107, 108, 139, 140, 141**

W

Wellness AHCD4042, **74, 126**

Workers Compensation and Rehabilitation REHB5053, **280, 364**

Work Injury and Disability REHB5046, **275, 277, 279, 280, 282, 363, 366**

Work Injury and Workers' Compensation REHB5071, **275, 277, 279, 282, 366**

Workplace Attachment BACH3077, **46, 129**

Writing a Research Proposal AHCD3016, **54, 132**

The University of Sydney

'09

Quick links:
www.facilities.syd.edu.au/maps
Campuses
Bicycle map
Precincts
Disability access
Parking layout

2009 handbook maps

Set a course for Handbooks online: www.usyd.edu.au/handbooks

Map Code: 0102_MAIN

Camperdown and Darlington Campuses

Directory

University buildings

O6	Aeronautical Engineering Building
J4	Anderson Stuart Building
G3	Badham Building
H3	Bank Building
L2	Baxter's Lodge
L8	Biochemistry and Microbiology Building
E6	Blackburn Building
E7	Bosch Building 1A
E7	Bosch Building 1B
H3	Brennan MacCallum Building
E6	Bruce Williams Pavilion
L6	Carslaw Building
F4	Chaplaincy
M8	Chemical Engineering Building
J5	Chemistry Building
N8	Civil Engineering Building
N9	Civil Engineering Workshop
K10	Clark Building
J9	Darlington Centre
J10	Darlington House
K9	Darlington Road Terraces
L10	Demountable Village
K5	Eastern Avenue Auditorium & Lecture Theatre Complex
L9	Economics and Business Building
H2	Edgeworth David Geology Building
G4	Education Building
G4	Education Building Annexe
H5	Edward Ford Building
N7	Electrical Engineering Building
N7	Engineering Link Building
C3	Evelyn Williams Building
K3	Fisher Library
K4	Fisher Library Stack
G2	Footbridge Theatre
C3	Gatekeeper's Lodge
J7	Gatekeeper's Lodge (City Road)
M8	Gordon Yu-Hoi Chui Building
J2	Great Hall
G3	Griffith Taylor Building
D4	H.K. Ward Gymnasium
F2	Heydon - Laurence Building
G2	Holme Building
N5	Information Technologies
K8	Institute Building
N5	International House
J10	IXL Building
D3	J.D. Stewart Building
F2	J.R.A. McMillan Building
L7	Jane Foss Russell Building
F3	John Woolley Building
F1	Mackie Building
H3	MacLaurin Hall
H2	Macleay Building
G1	Margaret Telfer Building
J6	Madsen Building
H4	Manning House
H4	Manning Squash Courts
D3	McMaster Annexe
D3	McMaster Building
O6	Mechanical Engineering Building
A2	Medical Foundation Building
K8	Merewether Building
E1	No. 1-3 Ross Street
M7	Old School Building
F4	Old Teachers' College
H3	Pharmacy Building
H6	Physics Annexe
G5	Physics Building
N8	P.N.R. Building
E6	Queen Elizabeth II Research Institute
H5	R.C. Mills Building
F2	R.D. Watt Building
D4	R.M.C. Gunn Building
M9	Raglan Street Building
N7	Rose Street Building
E2	Ross Street Building
G2	Science Road Cottage
E1	Selle House
M10	Services Building
N6	Seymour Centre
K10	Shepherd Centre
O6	Shepherd Street Carpark
K9	Storie Dixson Wing
F5	The Arena Sports Centre
J3	The Quadrangle
J5	Transient Building
L10	University Computing Centre
M9	University Sports & Aquatic Centre
D3	Veterinary Science Conference Centre
E6	Victor Coppleson Building
F3	Wallace Theatre
K7	Wentworth Building
E7	Western Avenue Carpark
M6	W.H. Maze Building
M6	Wilkinson Building

Childcare centres

K11	Boundary Lane
F9	Carillon 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
G7	St Paul's College
E1	Selle House
D10	Sydney University Village
F7	Wesley College
G8	Women's College

Computer Access Centres

H3	Brennan
G4	Education
K3	Fisher
N7	Link
L6	McGrath (Carslaw)
H3	Pharmacy

Cultural venues

H2	Macleay Museum
J3	Nicholson Museum
N6	Seymour Centre
K7	Sir Hermann Black Gallery
M6	Tin Sheds Gallery
J2	War Memorial Art Gallery

Faculties (offices)

F2	Agriculture, Food and Natural Resources
M6	Architecture
H3	Arts
K8	Economics & Business
G4	Education and Social Work
N7	Engineering
H5	Medicine
H3	Pharmacy
L6	Science
D3	Veterinary Science

Libraries

G3	Badham
H5	Burkitt-Ford
K3	Curriculum Resources
K3	Fisher
E7	Medical
N6	Music
H5	Schaeffer Fine Arts
L7	SciTech

Retail

H3	Australia Post Office
J9	Darlington Centre
G2	Holme 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 University Sport
G2	University of Sydney Union

University administration, centres & services

H3	Alumni Relations Office
L7	Careers Centre
L7	Cashier
D10	Centre for Continuing Education
K7	Centre for English Teaching
H3	Chancellor
L10	Computing Centre
H2	Executive Offices
J3	Information Centre
L10	Information and Communications Technology
L7	International Office
K8	Office of Development
M10	Office of University Relations (OUR)
G1	Personnel
L7	Publications Office
H3	Research Office
M10	Room Bookings & Venue Management
L7	Scholarships Unit
M10	SydneyPeople - HR Service Centre
G1	SydneyPeople - SydneyLearning
E1	SydneyPeople - Unistaff
L7	Student Centre
M10	Student Housing
L7	Student Services Unit
K8	Summer School
O5	Sydnovate
F3	United States Studies Centre
H3	University Relations (Vice Principal)
C3	Veterinary Hospital & Clinic
H2	Vice-Chancellor

CAMPUS INFRASTRUCTURE SERVICES. COPYRIGHT © MAY 2008 THE UNIVERSITY OF SYDNEY

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)

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 NCCH (M Building)
C4	Rehabilitation Research Centre (C Building)

Library

F3	Health Sciences Library (R 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)

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)

Security

E5	Emergency
E5	Parking

Sport and recreation venues

B3	Oval
C4	Sport centre (V Building)
C4	Tennis courts

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)

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)

PRODUCE BY CAMPUS INFRASTRUCTURE SERVICES OFFICE. COPYRIGHT © JUNE 2008 THE UNIVERSITY OF SYDNEY

Course planner

Year	Semester	Unit of study 1 & credit points		Unit of study 2 & credit points		Unit of study 3 & credit points		Unit of study 4 & credit points		Total credit points
1	1									
	2									
2	summer									
	1									
	winter									
	2									
3	summer									
	1									
	winter									
	2									
4	summer									
	1									
	winter									
	2									
5	summer									
	1									
	winter									
	2									
								Total credit points		