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**MEMORANDUM**

**To: Chair, Faculty Graduate Coursework Committee**

**Date: June 2nd, 2006**

**Subject: Report on CDAM Master of Physiotherapy (Graduate Entry)**

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An electronic CDAM was submitted to the staff broadcast site on 25th May 2006 by the School of Physiotherapy in order to:

- a) Activate the unit of study descriptors for Year 2 for this course as they run for the first time in 2007. The Units of Study for this entire course have already been approved at a CDAM and subsequent Faculty Graduate Studies Committee Meetings in June 2005. The unit of study descriptors pertaining to Year 2 now need to be activated and included in the 2007 Faculty Handbook.
- b) Make minor amendments to some Unit of Study descriptions for the Faculty Handbook 2007.

Comments were requested by June 1<sup>st</sup> 2006. Comments received and responses are detailed below:

Ms Nancy Leong noted the imbalance of credit points in each semester for Year 2, 2007. This has been discussed with Dr Alastair Davison who has granted us special dispensation to run the Yr 2 2007 program with an imbalance in semester credit points. The briefing document outlining the rationale for credit point imbalance is attached to this memorandum.

Ms Angela Stark and Dr Jane Latimer  
Course Coordinators, Master of Physiotherapy (Graduate Entry)

1/6/06

Dear Alastair,

Following our discussion this morning regarding the Master of Physiotherapy (Graduate Entry Masters) I have prepared the following briefing paper to place on record the reasons why our Yr 2 program needs to be conducted with an imbalance in Semester credit points. For 2007, the Yr 2 program for the Master of Physiotherapy will have 18 credit points in the first semester and 30 credit points in the second semester, giving a total of 48 credit points for the year. This imbalance exists due to the following reasons:

- (i) In order to maintain accreditation for our program and ensure that our graduates may be registered with the Physiotherapy Registration Board, students must have a minimum of 20 weeks of clinical practice (that is, 4 blocks of 5 weeks). In order to obtain this we have placed 3 blocks of clinical in Semester 1 of Yr 2 and added a 4<sup>th</sup> clinical to the last 5 weeks of Semester 2. This semester has been increased by 3 weeks to accommodate this clinical teaching.
- (ii) The constraints of our clinical placements do not allow us to move the fifth clinical to a summer teaching semester. The January/February timeslot is an extremely difficult time of the year to find clinical placements. There are fewer staff available to supervise students as the public hospital system (our major clinical placement provider) operates at a lower capacity with elective surgery lists closed. As a consequence of this staff often take annual leave, leaving Physiotherapy Departments with lower staffing levels. In addition, fewer private sector placements are available as these staff also take annual leave during the summer holidays.
- (iii) No academic subjects from Semester 2, Year 2 can be run concurrently with the semester 1 clinical units as some students will be completing their clinical in the country and therefore unable to attend morning or evening lectures in the city.

For these reasons we need to continue with the Yr 2 program as planned for 2007. We will review this program for 2008 to see whether factors in the clinical teaching environment enable us to reschedule the Yr 2 Semester 2 clinical.

Kind Regards,

Jane Latimer

**Proposal for Academic Development  
Notification of Faculty Variation or Approval**

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**Faculty:** Faculty of Health Sciences (FHS)

**Contact person:** Angela Stark, Masters of Physiotherapy (Graduate Entry) Program  
Coordinator, School of Physiotherapy (FHS)

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**1. Name of award course**

SC104: Masters of Physiotherapy (Graduate Entry)

**2. Purpose of proposal**

a) To activate the unit of study descriptors for Year 2 for this course as they run for the first time in 2007. The Units of Study for this entire course have already been approved at a CDAM and subsequent Faculty Graduate Studies Committee Meetings in June 2005. The unit of study descriptors pertaining to Year 2 now need to be activated and included in the 2007 Faculty Handbook.

b) Minor amendments to some Unit of Study descriptions for the Faculty Handbook 2007.

**3. Details of amendment**

The changes for the Faculty Handbook for the 2007 academic year are outlined in Attachment 1.

**4. Transitional arrangements**

Not applicable.

**5. Other relevant information**

Nil.

**6. Signature of Dean's Delegate**

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**Associate Professor Martin Thompson  
Associate Dean (Graduate Coursework) and  
Chair, Graduate Coursework Committee  
Faculty of Health Sciences  
8 June 2006**

## Attachment 1

### **BACH 5325 Society, Health and Behaviour Change M**

2 credit points. M Phty, PG Coursework Exchange. Dr Robert Heard (02) 9351 9494. Email: r.heard@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Presented on campus with regularly scheduled classes held during the day. **Assessment:** Project 1000 wd (50%), Written examination 1.5 hr (50%).

This unit of study covers two areas. First, it provides an understanding of key aspects of the relationship between society, health, and health service provision. It discusses Australian health policy and services and the importance of a holistic and preventative health care focus. Secondly, it describes abnormal and illness behaviours using relevant theoretical frameworks for understanding these phenomena, as well as examining behavioural management strategies as adjuvant methods in patient care.

#### *Textbooks*

Reference list but no prescribed texts.

### **BIOS 5055 Neurosciences for Physiotherapists**

3 credit points. M Phty, PG Coursework Exchange. Dr John Burne, [J.Burne@fhs.usyd.edu.au](mailto:J.Burne@fhs.usyd.edu.au) **Session:** Semester 1. **Classes:** 3 hrs per week. **Assumed Knowledge:** Basic neuroscience equivalent to BIOS1137 Introductory Neuroscience. **Assessment:** Midsemester written exam (20%) and endsemester written exam (80%).

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 on-line. 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](#)

### **BIOS 5073 Functional Musculoskeletal Anatomy**

3 credit points. M Phty, PG Coursework Exchange. Ms Jan Douglas-Morris, [J.Douglas-Morris@fhs.usyd.edu.au](mailto:J.Douglas-Morris@fhs.usyd.edu.au) **Session:** Semester 1. **Classes:** 3 hours per week. **Assumed Knowledge:** Basic Musculoskeletal anatomy. **Assessment:** Mid-semester practical examination; end-semester practical examination; end-semester MCQ examination.

Assuming a knowledge of basic musculoskeletal anatomy, this unit will cover an in depth exploration of the functional musculoskeletal anatomy of the trunk, pelvis thorax and neck. Material will be presented in lectures, tutorials, laboratory classes and on-line. 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*

Palastanga, Field and Soames (2002) Anatomy and Human Movement (4th edition)

### **PHTY 5146 Cardiopulmonary Physiotherapy M2**

2 credit points. M Phty, PG Coursework Exchange. Dr Lyndal Maxwell, [L.Maxwell@fhs.usyd.edu.au](mailto:L.Maxwell@fhs.usyd.edu.au). **Session:** Semester 1. **Classes:** presented on campus with regularly scheduled classes held during the day. **Prerequisites:** PHTY5141 Cardiopulmonary Physiotherapy M1. **Assessment:** Written examination (60%) and case study (40%).

The aim of this unit is to continue to develop knowledge and skills in the assessment and management of patients with cardiopulmonary dysfunction. 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 treatment management of intubated and non-intubated patients in respiratory failure. They will also examine issues related to and develop skills in the early rehabilitation of acute care patients.

#### *Textbooks*

Oh's Intensive Care Manual (2003) (5th ed) Oh T.E. Sydney: Bewsten A.D & Soni N.

### **PHTY 5148 Neurological Physiotherapy M**

5 credit points. M Phty, PG Coursework Exchange. Dr Louise Ada, [L.Ada@fhs.usyd.edu.au](mailto:L.Ada@fhs.usyd.edu.au). **Session:** Semester 1. **Classes:** Presented on campus with regularly scheduled classes held during the day. **Prerequisites:** BIOS5054 Functional Musculoskeletal Anatomy M and BIOS5055 Neurosciences for Physiotherapists M. **Assessment:** Oral exam 30%, written exam 70%.

Neurological Physiotherapy M aims to develop in students an ability to apply relevant theoretical and data based scientific findings to clinical practice in the area of movement dysfunction associated with disease and trauma to the nervous system. Module 1 introduces the impairments and disability arising from brain damage of acute onset using examples such as stroke and brain injury. Impairments such as weakness, loss of dexterity, loss of sensation, ataxia and spasticity as well as adaptations to these impairments such as the development of contracture will be studied. Students will learn to assess, train and measure outcome of everyday activities such as standing up, balancing in sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed, and swallowing. Module 2 introduces the impairments and disability arising from long term conditions of the nervous system such as Guillain Barr syndrome, motor neuron disease, traumatic spinal cord injury, Parkinson's disease and multiple sclerosis. The relation between the pathology and prognosis of these conditions will be examined. Students will learn to plan, implement and evaluate therapeutic intervention for individuals with long term conditions of the nervous system. In addition, analysis of the rehabilitation environment and strategies to increase the amount of practice carried out will be covered.

### **PHTY 5150 Community & Occupational Physiotherapy M**

5 credit points. M Phty, PG Coursework Exchange. Dr Eva Schonstein, e.schonstein@fhs.usyd.edu.au. **Session:** Semester 1.

**Classes:** Presented on-campus with regularly scheduled classes held during the day. **Prerequisites:** BIOS5054 Functional Musculoskeletal Anatomy M and BIOS5055 Neurosciences for Physiotherapists M. **Corequisites:** PHTY5167 Musculoskeletal Physiotherapy M2A

PHTY5146 Cardiopulmonary Physiotherapy M2

PHTY5148 Neurological Physiotherapy M. **Assessment:** Sem 1—written exam 1 hr (30%), viva exam 10 min (20%); sem 2—Group seminar (20%), written exam 1 hr (30%).

This unit examines primary health care issues that are pertinent to physiotherapy practice. Semester 1 covers the modules special populations (They include healthy elderly people and those with disease and/or disability; pregnant women; incontinence; people with burn injuries—especially children, people with amputations, with HIV/AIDS, diabetes, mental illness and Aboriginal health issues pertinent to physiotherapy), and infection control. Students will develop their skills in analysing and planning management of patients with multi-system and/or complex problems. This involves in-depth discussion of a small number of case studies in tutorials. Lectures provide extra information to the cases under discussion. Semester 2 covers the modules health promotion, ergonomics and occupational health. The principles and practice of health promotion are explored within a community based framework, with specific reference to the well elderly, and are applied to the role of the physiotherapist's contribution in a number of healthcare areas. Other issues that are examined are those that are important in the provision of a professional physiotherapy service, which include marketing and business and quality management.

*Textbooks*

Reference list but no prescribed texts.

### **PHTY 5152 Clinical Education M2A**

7 credit points. M Phty, PG Coursework Exchange. Ms Angela Stark, A.Stark@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:**

185 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY5165 Musculoskeletal Physiotherapy IA and

PHTY5166 Musculoskeletal Physiotherapy IB. **Corequisites:** PHTY5146 Cardiopulmonary Physiotherapy M2

PHTY5148 Neurological Physiotherapy M. **Assessment:** Continuous assessment.

The student will continue clinical placements in one of the following areas—neurological, cardiopulmonary, or musculoskeletal (outpatient department). Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### **PHTY 5153 Clinical Education M2B**

7 credit points. M Phty, PG Coursework Exchange. Ms Cheryl Hobbs, C.Hobbs@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:**

185 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY 5146 Cardiopulmonary Physiotherapy M2.

**Corequisites:** PHTY5148 Neurological Physiotherapy M

PHTY5167 Musculoskeletal Physiotherapy M2A

PHTY5168 Musculoskeletal Physiotherapy M2B. **Assessment:** Continuous assessment.

The student will continue clinical placements in one of the following areas—neurological, cardiopulmonary, or musculoskeletal (outpatient department). Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### **PHTY 5154 Clinical Education M2C**

7 credit points. M Phty, PG Coursework Exchange. Ms Sharon Faulkner, S.Faulkner@fhs.usyd.edu.au. **Session:** Semester 2.

**Classes:** 185 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY 5146 Cardiopulmonary Physiotherapy

M2. **Corequisites:** PHTY5148 Neurological Physiotherapy M PHTY5167 Musculoskeletal Physiotherapy M2A PHTY5168

Musculoskeletal Physiotherapy M2B. **Assessment:** Continuous assessment.

The student will continue clinical placements in one of the following areas—neurological, cardiopulmonary, or musculoskeletal (outpatient department). Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### **PHTY 5160 Physiotherapy Research A**

2 credit points. M Phty, PG Coursework Exchange. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-

campus. **Assessment:** Written assignment (1,000 wds) 50%, Practical Report (50%).

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. This unit 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 unit 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, enter, analyse and interpret data, and how to use a variety of statistical packages.

### **PHTY 5161 Physiotherapy Research B**

2 credit points. M Phty, PG Coursework Exchange. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-

campus delivery. This unit of study provides students with an in-depth understanding about how research evidence can guide clinical practice.

Complex issues related to 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 understand how to find and critically appraise research into the diagnosis, prognosis and treatment of conditions seen by physiotherapists and how to tailor this information to individual patients.

#### **PHTY 5162 Management of Physiotherapy Practice**

3 credit points. M Pty, Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** on campus. **Assessment:** Written assignment 1,000 wd 60%, Seminar 15 min (40%).

This unit of study will provide a forum for guided discussion on aspects important to physiotherapy practice. 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 recognized experts in the field, together with open interviews and discussions with successful physiotherapy practitioners both from private and public settings. The unit will be assessed by written report and group seminar.

#### **PHTY 5167 Musculoskeletal Physiotherapy M2A**

3 credit points. M Pty, PG Coursework Exchange. Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On campus. **Prerequisites:** PHTY5165 Musculoskeletal Physiotherapy IA and PHTY5166 Musculoskeletal Physiotherapy IB. **Assessment:** Written exam 70%, clinical skills assessment 30%.

This unit of study aims to develop the cognitive and practical skills needed to manage patients presenting with selected musculoskeletal disorders of the vertebral column. Students will learn how to apply the principles of assessment and management learned in PHTY5165 Musculoskeletal Physiotherapy IA and PHTY5166 Musculoskeletal Physiotherapy IB to patients with disorders affecting the lumbar, thoracic and cervical spines and sacroiliac joints. Students will discuss the diagnostic triage of patients with spinal pain and will be taught the necessary practical assessment procedures for examining a patient with spinal pain. As before, the emphasis in this unit is on evidence based practice with students exposed to a range of physiotherapy management options for spinal pain, such as advice, manual therapy and various forms of exercise including the McKenzie program and the medical options for spinal pain. Students will also study the assessment and treatment of patients with whiplash associated disorder. Time is spent with students discussing how one would integrate selected manual therapy procedures into the overall management of a patient's problem.

#### **PHTY 5168 Musculoskeletal Physiotherapy M2B**

3 credit points. M Pty, PG Coursework Exchange. Dr Eva Schonstein, E.Schonstein@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On campus delivery. **Prerequisites:** PHTY 5167 Musculoskeletal Physiotherapy M2A. **Assessment:** Written exam, group assignment, oral examination.

This unit examines major primary and secondary health care issues that are pertinent to physiotherapy practice. It incorporates three modules: physiotherapy within special populations, complex physiotherapy cases and occupational health physiotherapy. The special populations module considers issues related to elderly people in health or disease/disability and people with burn injuries, amputations, HIV/AIDS, diabetes, mental illness or cancer. In addition, issues specific to indigenous Australians and specific to women (eg pregnancy) will be discussed. Other issues examined in this module are those that are important in the provision of a professional physiotherapy service, including marketing and business and quality management. The complex cases module will develop students' skills in analysing and planning management of patients with multi-system and/or complex problems. This module involves in depth discussion of a small number of case studies during tutorial classes. The occupational health module examines the role of the physiotherapist in occupational health, preventative ergonomics and occupational rehabilitation and explores the theoretical sociological perspectives on work and organisations in relation to injury causation and rehabilitation.

#### **PHTY 5170 Cardiopulmonary Physiotherapy I**

4 credit points. M Pty, PG Coursework Exchange. Dr Bredge McCarren, B.McCarren@fhs.usyd.edu.au and Ms Nia Luxton, N.Luxton@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 3 hrs per week. **Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester practical assessment; end of semester written examination.

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.

#### **PHTY 5171 Musculoskeletal Physiotherapy I**

6 credit points. M Pty, PG Coursework Exchange. Ms Karyn Whelan, K.Whelan@fhs.usyd.edu.au. Ms Sharon Czerniec, S.Czerniec@fhs.usyd.edu.au **Session:** Semester 1. **Classes:** 4 6 hrs per week. **Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester written assignment; mid semester practical assessment; end of semester practical assessment; end of semester written examination.

This unit aims to introduce students to musculoskeletal physiotherapy practice. Students will study the pathophysiology and management of musculoskeletal disorders of the lower limb, and will be taught the cognitive and practical skills required for assessment, treatment and clinical decision making at an introductory level. Students will learn to take a history, perform selected physical examination techniques and integrate this information to plan and implement a management program. Opportunities will

be provided for students to develop basic knowledge and skills in safe and effective selection and use of a range of treatment modalities. Methods of measuring the outcome of these treatment modalities will also be explored. Selected physical and electrical treatment modalities will also be covered.

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 Musculoskeletal Physiotherapy II and lays the foundation for Musculoskeletal Physiotherapy III and Musculoskeletal Physiotherapy IV which will further develop skills in the management of disorders of the spine, lower extremity and more complex musculoskeletal conditions.

#### **PHTY 5172 Musculoskeletal Physiotherapy II**

4 credit points. M Phty, PG Coursework Exchange. ~~Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au, Dr Julia Hush, J.Hush@fhs.usyd.edu.au/Karyn Whelan, K.Whelan@fhs.usyd.edu.au~~ **Session:** Semester 1. **Classes:** 6 4.5 hrs per week.

**Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester practical assessment; ~~end of semester practical assessment~~; end of semester written examination.

This unit introduces students to the physiotherapy assessment and management of spinal 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 ~~education and~~ advice, manual therapy, exercise, McKenzie therapy etc. ~~Non-physiotherapy treatments such as surgery and drug therapy are also covered.~~ 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 pain.

#### **PHTY 5173 Scientific Practice I**

3 credit points. M Phty, PG Coursework Exchange. Dr Rob Herbert. R.Herbert@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 3 hrs per week. **Assumed Knowledge:** Background research methods equivalent to Designing Health Research, Analyzing Quantitative/Qualitative Health and Social Research and Foundations of Psychology for the Health Sciences; ~~Foundations of Health Sociology.~~ **Assessment:** Mid semester report and end of semester written examination.

In this unit of study students will learn how research evidence can guide clinical practice. Complex issues related to 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.

*Textbook*

Herbert, R. D., Jamtvedt, G., Mead, J., Hagen, K.B. (2005) Practical Evidence-based Physiotherapy. Oxford: Elsevier.

#### **PHTY 5174 Professional Practice I**

3 credit points. M Phty, PG Coursework Exchange. Ms Vicki Williams. V.Williams@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** ~~3 hrs per week.~~ One (1) hr lecture and two (2) hrs tutorials per week. **Assessment:** Mid semester oral presentation; end of semester written examination.

~~This unit consists of two modules—evidence based practice and professional practice for physiotherapists. In the professional practice module, students~~ 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 Australian Physiotherapy Association Professional Code of Conduct and learn to apply this code 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.

#### **PHTY 5175 Cardiopulmonary Physiotherapy II**

4 credit points. M Phty, PG Coursework Exchange. Dr Lyndal Maxwell, ~~/Dr Jenny Alison.~~ L.Maxwell@fhs.usyd.edu.au /Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** ~~4 hrs~~ 4.5 hrs per week. Wks 1-6: 2 x 1 hr lectures, 2 x 2 hr tutorials/per week; Wks 8-13: 1 x 1 hr lecture, 1 x 2 hr tutorial/per week. **Prerequisites:** PHTY 5170 Cardiopulmonary Physiotherapy I. **Assessment:** Mid semester seminar presentation; written assignment, end of semester written examination.

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.

### **PHTY 5176 Neurological Physiotherapy I**

4 credit points. M Phty, PG Coursework Exchange. ~~Dr Louise Ada, L.Ada@fhs.usyd.edu.au.~~ Angela Stark, A.Stark@fhs.usyd.edu.au **Session:** Semester 1. **Classes:** ~~7 hrs~~ 4.5 hrs per week. **Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester practical assessment; end of semester practical assessment; end of semester written examination.

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, ataxia 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 swallowing) 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.

### **PHTY 5177 Neurological Physiotherapy II**

4 credit points. M Phty, PG Coursework Exchange. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 3 hrs per week. **Prerequisites:** PHTY 5176 Neurological Physiotherapy I. **Assessment:** End of semester practical assessment; end of semester written examination.

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, and 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 and motor neuron disease ~~and muscular dystrophy~~). Students will learn to assess and train or prescribe appropriate aids to enable activities to be carried out.

### **PHTY 5178 Musculoskeletal Physiotherapy III**

6 credit points. M Phty, PG Coursework Exchange. ~~Mr Andrew Leaver, A.Leaver@fhs.usyd.edu.au.~~ Co-ordinator to be confirmed. **Session:** Semester 2. **Classes:** ~~7 hrs~~ 6 hrs per week. **Prerequisites:** PHTY 5171 Musculoskeletal Physiotherapy I; PHTY 5172 Musculoskeletal Physiotherapy II. **Assessment:** Mid semester ~~written assignment;~~ mid semester practical assessment; end of semester practical assessment; end of semester written examination.

~~This unit will further develop clinical reasoning skills in the practice of musculoskeletal physiotherapy. Students will learn to apply more advanced assessment and management skills with a focus on the upper limb. This unit will also discuss relevant pathology, post surgical management and the involvement of other professionals in the overall management of these patients. The safe and effective selection and use of a range of more complex physical and electrical treatment modalities will be studied. The use of electro physical agents for patient assessment will also be covered eg EMG. The overall aim of this unit is to further develop skills for assessment, diagnosis and management of musculoskeletal conditions, including rheumatoid arthritis, 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, and include a module on rheumatology. 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 Musculoskeletal Physiotherapy I and Musculoskeletal Physiotherapy II, and will complement Musculoskeletal Physiotherapy IV.~~

### **PHTY 5179 Musculoskeletal Physiotherapy IV**

4 credit points. M Phty, PG Coursework Exchange. ~~Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au.~~ Dr Sue Coulson, S.Coulson@fhs.usyd.edu.au / Dr Alison Harmer, A.Harmer@fhs.usyd.edu.au **Session:** Semester 2. **Classes:** ~~4 hrs~~ 4.5 hrs per week. **Prerequisites:** PHTY 5171 Musculoskeletal Physiotherapy I; PHTY 5172 Musculoskeletal Physiotherapy II. **Assessment:** Mid semester practical assessment; end of semester practical assessment; end of semester written examination.

~~This unit will focus on the further development of clinical reasoning in relation to more complex musculoskeletal problems and builds on the information provided in Musculoskeletal Physiotherapy I and II. There will be an emphasis on integration with material from other units of study. Students will learn how to assess and manage cervical and thoracic spine conditions using evidence based practice and to understand how to differentiate symptoms arising from different regions eg the shoulder from the cervical spine. Modules on rheumatological diseases and the assessment and management of chronic pain will be included. 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 outcomes of treatment. This unit also includes modules on chronic pain and rheumatology. This unit of study builds upon information provided in Musculoskeletal Physiotherapy I and II.~~

### PHTY 5XXX Physiotherapy Practicum I

6 credit points. Dr Catherine Dean, C.Dean@fhs.usyd.edu.au **Session.** Semester 1. **Classes:** Off-campus setting. **Prerequisite:** PHTY 5175 Cardiopulmonary Physiotherapy II, PHTY 5177 Neurological Physiotherapy II, PHTY 5178 Musculoskeletal Physiotherapy III, PHTY 5179 Musculoskeletal Physiotherapy IV. **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism

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. 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.

### PHTY 5XXX Physiotherapy Practicum II

6 credit points. Dr Catherine Dean, C.Dean@fhs.usyd.edu.au **Session.** Semester 1. **Classes:** Off-campus setting. **Prerequisite:** PHTY 5175 Cardiopulmonary Physiotherapy II, PHTY 5177 Neurological Physiotherapy II, PHTY 5178 Musculoskeletal Physiotherapy III, PHTY 5179 Musculoskeletal Physiotherapy IV. **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism

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. 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.

### PHTY 5XXX Physiotherapy Practicum III

6 credit points. Dr Catherine Dean, C.Dean@fhs.usyd.edu.au **Session.** Semester 1. **Classes:** Off-campus setting. **Prerequisite:** PHTY 5175 Cardiopulmonary Physiotherapy II, PHTY 5177 Neurological Physiotherapy II, PHTY 5178 Musculoskeletal Physiotherapy III, PHTY 5179 Musculoskeletal Physiotherapy IV. **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism

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. 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.

### PHTY 5XXX Advanced Physiotherapy

4 credit points. Dr Debra Shirley, D.Shirley@fhs.usyd.edu.au/Dr Jenny Alison, J.Alison@fhs.usyd.edu.au/Dr Louise Ada, L.Ada@fhs.usyd.edu.au **Session:** Semester 2. **Classes:** To be confirmed. **Prerequisite:** 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 ~~examination~~ assignment.

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. Medico legal report writing will also be covered. 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 ~~encompass a historical perspective incorporating an evaluation of the post war neurotherapies as well as science based and evidence based practice.~~ examine the history of neurological rehabilitation, acute neuromedical and neurosurgical interventions and the management of some less common neurological conditions.

### PHTY 5XXX Paediatric Physiotherapy

4 credit points. Ms Jane Butler. **Session:** Semester 2. **Classes:** To be confirmed. **Prerequisite:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II; PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV. **Assessment:** Mid-~~semester~~ unit seminar; end of ~~semester~~ unit assignment.

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. ~~based learning.~~ 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.

### PHTY 5XXX Physiotherapy for Older Persons

4 credit points. ~~Ms Cheryl Hobbs.~~ Dr Catherine Dean, C.Dean@fhs.usyd.edu.au **Session:** Semester 2. **Classes:** 3 hrs per week **Prerequisite:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV. **Assessment:** Mid-~~semester~~ unit seminar; end of ~~semester~~ unit assignment.

This unit of study is designed to enable students to examine the physiological, psychological and social changes associated with

healthy aging 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, CD ROM and hard copy format, but students will also be required to research topics independently in areas not previously encountered in their program.

#### **PHTY 5XXX Physiotherapy in Selected Populations**

4 credit points. Unit Coordinator: Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. Module Coordinators: Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au (Occupational Physiotherapy), Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au (Community Physiotherapy), Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au (Sports Physiotherapy) **Session:** Semester 2. **Classes:** 3 hrs/wk. **Prerequisite:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II; PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV. **Assessment:** Mid-~~semester~~ unit seminar; end of ~~semester~~ unit assignment

The unit comprises 3 integrated modules: 1) occupational physiotherapy, 2) sports physiotherapy, and 3) 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~~ community-physiotherapy module, students will assess and design program for common community health issues. ~~such as cancer.~~

#### **PHTY 5XXX Scientific Practice II**

4 credit points. Dr Roger Adams, R.Adams@fhs.usyd.edu.au **Session:** Semester 2. **Classes:** 2 hrs/wk. **Pre-requisites:** PHTY5XXX Physiotherapy Practicum I, PHTY5XXX Physiotherapy Practicum II, PHTY5XXX Physiotherapy Practicum III. **Assessment:** Report and written examination,

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. This 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, enter, analyse and interpret data, and how to use a variety of statistical packages.

#### **PHTY 5XXX Professional Practice II**

4 credit points. ~~Dr Jane Latimer~~ Dr Bronwyn Ackerman, B.Ackerman@fhs.usyd.edu.au **Session:** Semester 2. **Classes:** 4 hrs per week for 5 weeks. **Assessment:** Written assignment and oral presentation (seminar).

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 recognized experts in the field, together with open interviews and discussions with successful physiotherapy practitioners both from private and public settings

#### **PHTY 5XXX Physiotherapy Practicum IV**

6 credit points. Dr Catherine Dean, C.Dean@fhs.usyd.edu.au **Session:** Semester 2. **Classes:** Off-campus setting. **Prerequisites:** PHTY5XXX Physiotherapy Practicum I, PHTY5XXX Physiotherapy Practicum II, PHTY5XXX Physiotherapy Practicum III. **Corequisites:** PHTY5XXX Advanced Physiotherapy, PHTY5XXX Physiotherapy, PHTY5XXX Physiotherapy for Older Persons, PHTY5XXX Physiotherapy in Selected Populations. **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism.

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. 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.