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### MEMORANDUM

**To:** Chair, Faculty Graduate Studies Committee  
**Date:** 2 June 2006  
**Subject:** eCDAM Physiotherapy Master of Health Science (Coursework)

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

Minor amendments to the Faculty Handbook 2007 for:  
Aims of the courses,  
Admission criteria to courses  
Unit of Study descriptions.

For the following courses:-

Master of Health Science (Physiotherapy)	SC092
Master of Health Science (Neurological Physiotherapy)	SC088
Master of Health Science (Paediatric Physiotherapy)	SC087
Master of Health Science (Cardiopulmonary Physiotherapy)	SC086
Master of Health Science (Manipulative Physiotherapy)	SC085
Master of Health Science (Sports Physiotherapy)	SC090

Comments were requested by 1 June 2006.

There was one comment. On 29 May 2006, Jill Clarke from MRS noted that Ultrasound for Physiotherapists was listed as an elective but the unit of study description was missing. This omission has been rectified.

Dr Leslie Nicholson  
Chair, School of Physiotherapy Graduate Studies Committee.

**Proposal for Academic Development  
Notification of faculty variation or approval**

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

**Contact person:** Dr Leslie Nicholson, Chair Postgraduate Coursework Committee,  
School of Physiotherapy (FHS)

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**1. Name of award courses**

Master of Health Science (Physiotherapy)	SC092
Master of Health Science (Neurological Physiotherapy)	SC088
Master of Health Science (Paediatric Physiotherapy)	SC087
Master of Health Science (Cardiopulmonary Physiotherapy)	SC086
Master of Health Science (Manipulative Physiotherapy)	SC085
Master of Health Science (Sports Physiotherapy)	SC090

**2. Purpose of proposal**

Minor amendments to the Faculty Handbook 2007 for:

Aims of the courses

Admission criteria to courses

Unit of Study descriptions.

**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

### Master of Health Science (Physiotherapy coursework programs)

The Master of Health Science (Cardiopulmonary Physiotherapy), Master of Health Science (Neurological Physiotherapy), Master of Health Science (Paediatric Physiotherapy) and Master of Health Science (Physiotherapy) are offered by flexible delivery mode. In addition, three units of study within the Master of Health Science (Manipulative Physiotherapy) and the Master of Health Science (Sports Physiotherapy) are offered in flexible delivery mode.

NB: Units of Study with less than 10 enrollments may be withdrawn from offer.

#### Flexible delivery mode

Flexible delivery mode implies a different mode of delivery of course material from the usual on-campus attendance once or twice a week for an entire semester. Flexible delivery mode could include:

- Block mode on-campus delivery: This will comprise 2-4 days of face-to-face teaching on-campus once or twice a semester with work completed by the student between blocks of teaching. Often the teaching block will be scheduled over a weekend.
- On-campus delivery: Some units of study in some coursework programs will require regular attendance at tutorials.
- Web/online delivery: Course material and interaction between students and lecturers will be via the web.
- Text-based delivery: Students will be provided with course material and worksheets in text form. Contact with lecturers and other students will be via email or chat/discussion rooms.
- Structured independent learning: Students will carry out independent research of the literature on an agreed topic while supervised by a lecturer.
- Clinical practice: Some units of study will require students to attend clinics either on or off campus as part of the course requirement.
- Unit of study choice for international students enrolled as full-time students on-campus may be constrained due to visa requirements for campus attendance.
- International students may enrol part-time in distance mode if studying from their home country by visa restrictions preclude part-time study in on-campus mode.

Note: All students enrolled in the Master of Health Sciences through the School of Physiotherapy will undertake some units in flexible mode. Currently, the 3 core units which all students enrolled in the Master of Health Sciences must take, are delivered in block mode. For other students, the course may be entirely delivered in flexible delivery mode (Cardiopulmonary, Neurological, Paediatrics and Physiotherapy specialties). Please contact the appropriate course coordinator for further information regarding the mode of delivery of units of study within any particular coursework program or visit the web site.

#### Credit transfer

Credit transfer follows the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook.

## Master of Health Science (Cardiopulmonary Physiotherapy)

Course Coordinator: Dr Jenny Alison +61 2 9351 9371

### Course aims

The principal aims of the course are to produce a body of graduates:

- ~~Produce a body of graduates with advanced academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of cardiopulmonary physiotherapy that promote a scientific approach to evaluation and practice; and~~
- ~~Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions. who will foster and develop the specialist role of cardiopulmonary physiotherapy in health care.~~

This course will also enable physiotherapists to gain credit towards titled membership as a cardiopulmonary physiotherapist within the Australian Physiotherapy Association.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall possess:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) an award of Master of Physiotherapy from the University of Sydney; or
- (iii) 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
- (iv) such qualifications as are deemed to be equivalent to (i),(ii) or (iii); or
- (v) other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, to ~~To~~ enter this course, the applicant shall ~~normally~~ have at least two years of relevant clinical experience in the area of cardiopulmonary physiotherapy **and** demonstrate ongoing participation in high quality continuing education within the field of cardiopulmonary physiotherapy.

**Comment:** *The above amendments to the course aims and admission requirements for the Master of Health Science (Cardiopulmonary Physiotherapy) are in addition to amendments approved by the Faculty Graduate Studies Committee at its meeting of 27 April 2005 and for this reason the table and units of study have been excluded from this eCDAM.*

# Master of Health Science (Manipulative Physiotherapy)

Course Coordinator: Dr Rob Boland +61 2 9351 9156

## Course aims

The principal aims of the course are to produce a body of graduates:

- Produce a body of graduates with advanced academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of manipulative physiotherapy; and that promote a scientific approach to evaluation and practice; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.  
who will foster and develop the specialist role of manipulative physiotherapy in health care.

This course will also enable physiotherapists to gain credit towards the Australian Physiotherapy Association title of "Musculoskeletal Physiotherapist" and towards the clinical specialisation process of the Australian College of Physiotherapists.

## Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall possess:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) an award of Master of Physiotherapy from the University of Sydney; or
- (iii) 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
- (iv) such qualifications as are deemed to be equivalent to (i),(ii) or (iii); or
- (v) other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, to ~~To~~ enter this course, the applicant shall ~~normally~~ have at least two years of relevant clinical experience in the area of musculoskeletal physiotherapy ~~and~~ and demonstrate ongoing participation in high quality continuing education within the field of manual therapy.

## Course outline

This course is composed of specified units of study totalling 48 credit points as presented in Table 28.3. A dissertation is an additional requirement for the Master of Health Science (Manipulative Physiotherapy) Honours degree (table 28.3.1).

Table 28.3: Master of Health Science (Manipulative Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC085 Award total: 48 credit points							
Full-time, 2 semesters							
Part-time, 4 semesters.							
<b>Full-time mode</b>							
<b>Semester 1</b>							
<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6					Semester 1
<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6					Semester 1
<b>PHTY 5124</b>	Advanced Musculoskeletal Disorders A	6	C PHTY5101	Advanced Anatomy & Biomechanics			Semester 1
<b>PHTY 5125</b>	Clinical Manipulative Physiotherapy A	6	C PHTY5101	Advanced Anatomy & Biomechanics, PHTY5124			Semester 1
<i>Semester 1 total: 24 credit points</i>							
<b>Semester 2</b>							

<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5126</b>	Advanced Musculoskeletal Disorders B	6	<b>P</b> PHTY5101 Advanced Anatomy & Biomechanics	Semester 2
<b>PHTY 5107</b>	Advanced Musculoskeletal Complex Cases	6	<b>P</b> PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B	Semester 2
<b>PHTY 5128</b>	Clinical Manipulative Physiotherapy B	6	<b>P</b> PHTY5101 Advanced Anatomy & Biomechanics PHTY5124 Advanced Musculoskeletal Disorders A PHTY5125 Clinical Manipulative Physiotherapy A. <b>C</b> PHTY5107 Advanced Musculoskeletal Complex Cases PHTY5126 Advanced Musculoskeletal Disorders B	Semester 2

*Semester 2 total: 24 credit points*

## Part-time mode

*(International students: Part-time enrolment is subject to visa requirements)*

### Year 1

#### Semester 1

<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6		Semester 1
<b>PHTY 5124</b>	Advanced Musculoskeletal Disorders A	6	<b>C</b> PHTY5101 Advanced Anatomy & Biomechanics	Semester 1

*Semester 1 total: 12 credit points*

#### Semester 2

<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5126</b>	Advanced Musculoskeletal Disorders B	6	<b>P</b> PHTY5101 Advanced Anatomy & Biomechanics	Semester 2

*Semester 2 total: 12 credit points*

### Year 2

#### Semester 1

<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5125</b>	Clinical Manipulative Physiotherapy A	6	<b>C</b> PHTY5101 Advanced Anatomy & Biomechanics, PHTY5124 Advanced Musculoskeletal Disorders A.	Semester 1

*Semester 1 total: 12 credit points*

#### Semester 2

<b>PHTY 5107</b>	Advanced Musculoskeletal Complex Cases	6	<b>P</b> PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B	Semester 2
<b>PHTY 5128</b>	Clinical Manipulative Physiotherapy B	6	<b>P</b> PHTY5101 Advanced Anatomy & Biomechanics PHTY5124 Advanced Musculoskeletal Disorders A PHTY5125 Clinical Manipulative Physiotherapy A. <b>C</b> PHTY5107 Advanced Musculoskeletal Complex Cases PHTY5126 Advanced Musculoskeletal Disorders B	Semester 2

*Semester 2 total: 12 credit points*

Table 28.3.1 Master of Health Science (Manipulative Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>Session</i>
Course code SC101 Award total: 60 credit points					
Full-time: 3 semesters, Part-time: 5 semesters					
<b>Year 1</b>					
As per Pass course					
<b>Year 2 Honours year</b>					
<b>PHTY</b>	Dissertation	12			Semester 1

5109				
<b>Part-time mode</b>				
<i>(International students: Part-time enrolment is subject to visa requirements)</i>				
<b>Years 1 and 2</b>				
As per Pass course				
<b>Year 3 Honours year</b>				
PHTY 5109	Dissertation	12		Semester 1

# Master of Health Science (Neurological Physiotherapy)



Course Coordinator: Dr Sharon Kilbreath +61 2 9351 9272

## Course aims

The principal aims of the course are to produce a body of graduates:

- ~~Produce a body of graduates with advanced academic and clinical skills to foster and develop the role of physiotherapy that promote a scientific approach to evaluation and practice;~~ and
- who will foster and develop the specialist role of neurological physiotherapy in health care. Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

## Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall possess:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) an award of Master of Physiotherapy from the University of Sydney; or
- (iii) 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
- (iv) such qualifications as are deemed to be equivalent to (i),(ii) or (iii); or
- (v) other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, to ~~To~~ enter this course, the applicant shall ~~normally~~ have at least two years of relevant clinical experience in neurological physiotherapy **and** demonstrate ongoing participation in high quality continuing education within the field of neurological physiotherapy.

## Course outline

This course is composed of specified units of study totalling 48 credit points. A dissertation is an additional requirement for the Master of Health Science (Neurological Physiotherapy) Honours degree. The course outlines for the Master of Health Science (Neurological Physiotherapy) Pass and Honours courses are presented in Tables 28.4 and 28.4.1.

Table 28.4: Master of Health Science (Neurological Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC088 Award total: 48 credit points			
Full-time or Part-time, 2 to 4 semesters. Some on-campus block attendance will be required.			
<b>Full-time mode</b>			
<b>Semester 1</b>			
<b>PHTY 5100</b> Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5101</b> Advanced Anatomy & Biomechanics	6		Semester 1
<b>PHTY</b> Optimising Motor	6	<b>A</b> 2 years Neurology clinical experience.	Semester 1

<b>5114</b>	Performance A			
<b>PHTY 5115</b>	Clinical Neurological Physiotherapy A	6	A Assumed Knowledge: 2 years Neurology clinical experience	Semester 1
<i>Semester 1 total: 24 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5116</b>	Optimising Motor Performance B	6	A 2 years of clinical experience in Physiotherapy.	Semester 2
<b>PHTY 5117</b>	Topics in Neurological Physiotherapy	6	A 2 years Neurology clinical experience.	Semester 2
<b>PHTY 5118</b>	Clinical Neurological Physiotherapy B	6	A 2 years Neurology clinical experience.	Semester 2
<i>Semester 2 total: 24 credit points</i>				
<b>Part-time mode</b>				
<b>Year 1</b>				
<b>Semester 1</b>				
<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6		Semester 1
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5116</b>	Optimising Motor Performance B	6	A 2 years of clinical experience in Physiotherapy.	Semester 2
<i>Semester 2 total: 12 credit points</i>				
<b>Year 2</b>				
<b>Semester 1</b>				
<b>PHTY 5114</b>	Optimising Motor Performance A	6	A 2 years Neurology clinical experience.	Semester 1
<b>PHTY 5115</b>	Clinical Neurological Physiotherapy A	6	A Assumed Knowledge: 2 years Neurology clinical experience	Semester 1
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5117</b>	Topics in Neurological Physiotherapy	6	A 2 years Neurology clinical experience.	Semester 2
<b>PHTY 5118</b>	Clinical Neurological Physiotherapy B	6	A 2 years Neurology clinical experience.	Semester 2
<i>Semester 2 total: 12 credit points</i>				

Table 28.4.1: Master of Health Science (Neurological Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites O: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC089 Award total: 60 credit points			
Full-time: 3 semesters, Part-time: 5 semesters			
Some on-campus block attendance will be required.			
<b>Full-time mode</b>			
<b>Year 1</b>			
As per Pass course			
<b>Year 2 Honours year</b>			
<b>PHTY</b>	Dissertation	12	Semester 1

5109				
<b>Part-time mode</b>				
<b>Years 1 and 2</b>				
As per Pass course				
<b>Year 3 Honours year</b>				
<b>PHTY 5109</b>	Dissertation	12		Semester 1

## Master of Health Science (Paediatric Physiotherapy)

Course Coordinators: Ms Jane Butler +61 2 9351 9265 and Ms Genevieve Dwyer +61 2 9351 9548

### Course aims

The principal aims of the course are to produce a body of graduates:

- ~~Produce a body of graduates with advanced academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of paediatric physiotherapy that promote a scientific approach to evaluation and practice; and~~
- ~~Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions. who will foster and develop the specialist role of paediatric physiotherapy in health care.~~

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall possess:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) an award of Master of Physiotherapy from the University of Sydney; or
- (iii) 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
- (iv) such qualifications as are deemed to be equivalent to (i),(ii) or (iii); or
- (v) other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, to ~~To~~ enter this course, the applicant shall ~~normally~~ have at least two years of relevant clinical experience in paediatric physiotherapy and demonstrate ongoing participation in high quality continuing education within the field of paediatric physiotherapy.

### Course outline

This course is composed of specified units of study totalling 48 credit points. A dissertation is an additional requirement for the Master of Health Science (Paediatric Physiotherapy) Honours degree. The course outlines for the Master of Health Science (Paediatric Physiotherapy) Pass and Honours courses are presented in Tables 28.5 and 28.5.1.

Table 28.5 Master of Health Science (Paediatric Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Course code SC087 Award total: 48 credit points				
Full-time or Part-time, 2 to 4 semesters. Some on-campus block attendance will be required.				
<b>Full-time mode</b>				
<b>Semester 1</b>				
<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6		Semester 1
<b>PHTY 5129</b>	Topics in Paediatric Physiotherapy A	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 1
<b>PHTY 5130</b>	Clinical Paediatric Physiotherapy A	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 1

<i>Semester 1 total: 24 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5131</b>	Concepts in Paediatric Physiotherapy	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 2
<b>PHTY 5132</b>	Topics in Paediatric Physiotherapy B	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 2
<b>PHTY 5133</b>	Clinical Paediatric Physiotherapy B	6	A 2 years Paediatric Physiotherapy clinical experience. P PHTY5129 Topics in Paediatric Physiotherapy A.	Semester 2
<i>Semester 2 total: 24 credit points</i>				
<b>Part-time mode</b>				
<b>Year 1</b>				
<b>Semester 1</b>				
<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6		Semester 1
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5131</b>	Concepts in Paediatric Physiotherapy	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 2
<i>Semester 2 total: 12 credit points</i>				
<b>Year 2</b>				
<b>Semester 1</b>				
<b>PHTY 5129</b>	Topics in Paediatric Physiotherapy A	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 1
<b>PHTY 5130</b>	Clinical Paediatric Physiotherapy A	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 1
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5132</b>	Topics in Paediatric Physiotherapy B	6	A 2 years Paediatric Physiotherapy clinical experience.	Semester 2
<b>PHTY 5133</b>	Clinical Paediatric Physiotherapy B	6	A 2 years Paediatric Physiotherapy clinical experience. P PHTY5129 Topics in Paediatric Physiotherapy A.	Semester 2
<i>Semester 2 total: 12 credit points</i>				
<b>Note</b>				
1. Or approved elective.				

Table 28.5.1: Master of Health Science (Paediatric Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites O: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC123 Award total: 60 credit points			
Full-time: 3 semesters, Part-time: 5 semesters			
<b>Full-time mode</b>			
<b>Year 1</b>			
As per Pass course			
<b>Year 2 Honours year</b>			
<b>PHTY 5109</b>	Dissertation	12	Semester 1

<b>Part-time mode</b>			
<b>Years 1 and 2</b>			
As per Pass course			
<b>Year 3 Honours year</b>			
<b>PHTY 5109</b>	Dissertation	12	Semester 1

## Master of Health Science (Physiotherapy)

Course Coordinator: ~~Mr~~ Dr Martin Mackey +61 2 9351 9374

### Course aims

The principal aims of the course are to produce a body of graduates:

- ~~Produce a body of graduates with advanced academic and clinical skills to foster and develop the role of physiotherapy in a range of professional areas that promote a scientific approach to evaluation and practice; and~~
- ~~Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.~~ who will foster and develop the role of physiotherapy in a range of professional areas in health care.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall possess:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) an award of Master of Physiotherapy from the University of Sydney; or
- (iii) 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
- (iv) such qualifications as are deemed to be equivalent to (i),(ii) or (iii); or
- (v) other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, to ~~To~~ enter this course, the applicant shall ~~normally~~ have at least two years clinical experience in physiotherapy and demonstrate ongoing participation in high quality continuing education in physiotherapy.

### Course outline

This course is composed of specified units of study totaling 48 credit points. A dissertation is an additional requirement for the Master of Health Science (Physiotherapy) Honours degree. The course outlines for the Master of Health Science (Physiotherapy) Pass and Honours courses are presented in Tables 28.6 and 28.6.1.

Table 28.6: Master of Health Science (Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SC092 Award total: 48 credit points							
Full-time or Part-time, 2 to 4 semesters. Some on-campus block attendance will be required.							
<b>Full-time mode</b>							
<b>Semester 1</b>							
<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6					Semester 1
<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6					Semester 1
<b>PHTY 5111</b>	Clinical Practice A	6					Semester 1
Elective (List A) 6							
<i>Semester 1 total: 24 credit points</i>							
<b>Semester 2</b>							
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6					Semester 2

<b>PHTY 5113</b>	Clinical Practice B	6		Semester 2
2 Electives (List B) 12				
<i>Semester 2 total: 24 credit points</i>				
<b>Part-time mode</b> <i>(International students: Part-time enrolment is subject to visa requirements)</i>				
<b>Year 1</b>				
<b>Semester 1</b>				
<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6		Semester 1
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
Elective (List B) 6				
<i>Semester 2 total: 12 credit points</i>				
<b>Year 2</b>				
<b>Semester 1</b>				
<b>PHTY 5111</b>	Clinical Practice A	6		Semester 1
Elective (List A) 6				
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5113</b>	Clinical Practice B	6		Semester 2
Elective (List B) 6				
<i>Semester 2 total: 12 credit points</i>				

## Master of Health Science (Physiotherapy) Electives

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
<b>List A</b>			
<b>Semester 1 (6 credit points)</b>			
<b>PHTY 5110</b>	Introduction to Ergonomics	6	<b>A</b> Undergraduate Ergonomics.
<b>PHTY 5112</b>	Orthopaedic Physiotherapy	6	
<b>PHTY 5121</b>	<u>Cardiopulmonary Physiotherapy A</u>	6	
<b>PHTY 5159</b>	Managing Clinical Education Placements	6	<b>A</b> Professional practice and teaching experience.
<b>PHTY 5164</b>	Ultrasound for Physiotherapists	6	
Approved Faculty and other electives			
<b>List B</b>			
<b>Semester 2 (12 credit points)</b>			
<b>PHTY 5107</b>	Advanced Musculoskeletal Complex Cases	6	<b>P</b> PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A, PHTY5106 Musculoskeletal Sports Injuries B
<b>PHTY 5116</b>	Optimising Motor Performance B	6	<b>A</b> 2 years of clinical experience in Physiotherapy. <b>P</b> PHTY5101 Advanced Anatomy & Biomechanics.

PHTY 5131	Concepts in Paediatric Physiotherapy	6	A 2 years Paediatric Physiotherapy clinical experience.	Cum Sem 2
PHTY 5134	Therapy in Disorders of the Hand	6	A Graduate experience in hand therapy as a qualified Physiotherapist or Occupational Therapist.	Cum Sem 2
Approved Faculty and other electives				

Table 28.6.1: Master of Health Science (Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC093 Award total: 60 credit points			
Full-time: 3 semesters, Part-time: 5 semesters			
<b>Full-time mode</b>			
<b>Year 1</b>			
As per Pass course			
<b>Year 2 Honours year</b>			
PHTY 5109	Dissertation	12	Semester 1
<b>Part-time mode</b>			
<i>(International students: Part-time enrolment is subject to visa requirements)</i>			
<b>Years 1 and 2</b>			
As per Pass course			
<b>Year 3 Honours year</b>			
PHTY 5109	Dissertation	12	Semester 1

# Master of Health Science (Sports Physiotherapy)

Course Coordinator: Dr Leslie Nicholson +61 2 9351 9369

## Course aims

The principal aims of the course are to produce a body of graduates:

- Produce a body of graduates with advanced academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of sports physiotherapy that promote a scientific approach to evaluation and practice; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions who will foster and develop the specialist role of sports physiotherapy in health care.

This course will also enable physiotherapists to gain credit towards Level 2 membership of the Australian Physiotherapy Association's national specialty group, Sports Physiotherapy Australia the Australian Physiotherapy Association of Sports Physiotherapist and towards the clinical specialisation process of the Australian College of Physiotherapists.

## Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall possess:

- an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- an award of Master of Physiotherapy from the University of Sydney; or
- 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
- such qualifications as are deemed to be equivalent to (i),(ii) or (iii); or
- other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, to ~~To~~ enter this course, the applicant shall have at least two years of relevant clinical experience in musculoskeletal/sports physiotherapy ~~and~~ and demonstrate ongoing participation in high quality continuing education within the field of sports physiotherapy.

## Course outline

This course is composed of specified units of study totaling 48 credit points. A dissertation is an additional requirement for the Master of Health Science (Sports Physiotherapy) Honours degree. The course outlines for the Master of Health Science (Sports Physiotherapy) Pass and Honours courses are presented in Tables 28.7 and 28.7.1.

Table 28.7: Master of Health Science (Sports Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites O: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SC090 Award total: 48 credit points			
Full-time, 2 semesters			
Part-time, 4 semesters			
<b>Full-time mode</b>			
<b>Semester 1</b>			
<b>PHTY 5100</b> Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5101</b> Advanced Anatomy & Biomechanics	6		Semester 1
<b>PHTY 5103</b> Musculoskeletal Sports Injuries A	6	C PHTY5101 Advanced Anatomy & Biomechanics	Semester 1
<b>PHTY</b> Clinical Sports	6	C PHTY5103 Musculoskeletal Sports Injuries A	Semester 1

<b>5104</b>	Physiotherapy A		PHTY5101 Advanced Anatomy & Biomechanics	
<i>Semester 1 total: 24 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5106</b>	Musculoskeletal Sports Injuries B	6	P PHTY5101 Advanced Anatomy & Biomechanics.	Semester 2
<b>PHTY 5107</b>	Advanced Musculoskeletal Complex Cases	6	P PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B	Semester 2
<b>PHTY 5108</b>	Clinical Sports Physiotherapy B	6	P PHTY5103 Musculoskeletal Sports Injuries A C PHTY5106 Musculoskeletal Sports Injuries B PHTY5101 Advanced Anatomy & Biomechanics	Semester 2
<i>Semester 2 total: 24 credit points</i>				
<b>Part-time mode</b>				
<i>(International students: Part-time enrolment is subject to visa requirements)</i>				
<b>Year 1</b>				
<b>Semester 1</b>				
<b>PHTY 5101</b>	Advanced Anatomy & Biomechanics	6		Semester 1
<b>PHTY 5103</b>	Musculoskeletal Sports Injuries A	6	C PHTY5101 Advanced Anatomy & Biomechanics	Semester 1
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5105</b>	Theoretical Basis of Clinical Practice	6		Semester 2
<b>PHTY 5106</b>	Musculoskeletal Sports Injuries B	6	P PHTY5101 Advanced Anatomy & Biomechanics.	Semester 2
<i>Semester 2 total: 12 credit points</i>				
<b>Year 2</b>				
<b>Semester 1</b>				
<b>PHTY 5100</b>	Evaluation & Research in Physio Practice	6		Semester 1
<b>PHTY 5104</b>	Clinical Sports Physiotherapy A	6	C PHTY5103 Musculoskeletal Sports Injuries A PHTY5101 Advanced Anatomy & Biomechanics	Semester 1
<i>Semester 1 total: 12 credit points</i>				
<b>Semester 2</b>				
<b>PHTY 5107</b>	Advanced Musculoskeletal Complex Cases	6	P PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B	Semester 2
<b>PHTY 5108</b>	Clinical Sports Physiotherapy B	6	P PHTY5103 Musculoskeletal Sports Injuries A C PHTY5106 Musculoskeletal Sports Injuries B PHTY5101 Advanced Anatomy & Biomechanics	Semester 2
<i>Semester 2 total: 12 credit points</i>				

Table 28.7.1: Master of Health Science (Sports Physiotherapy) Honours

<b>Unit of Study</b>	<b>CP</b>	<b>A: Assumed knowledge</b>	<b>P: Prerequisites</b>	<b>Q: Qualifying</b>	<b>Session</b>
Course code SC091 Award total: 60 credit points					
Full-time: 3 semesters, Part-time: 5 semesters					
<b>Full-time mode</b>					
<b>Year 1</b>					
As per Pass course					
<b>Year 2 Honours year</b>					

<b>PHTY 5109</b>	Dissertation	12		Semester 1
<b>Part-time mode</b>				
<i>(International students: Part-time enrolment is subject to visa requirements)</i>				
<b>Years 1 and 2</b>				
As per Pass course				
<b>Year 3 Honours year</b>				
<b>PHTY 5109</b>	Dissertation	12		Semester 1

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

Course Coordinators: Dr Rob Boland +61 2 9351 9156 and Dr Leslie Nicholson +61 2 9351 9369

## Course aims

The principal aims of the course are to produce a body of graduates:

- Produce a body of graduates with advanced academic and clinical skills to foster and develop the role of physiotherapy in the specialist areas of sports and manipulative physiotherapy that promote a scientific approach to evaluation and practice; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions who will foster and develop the specialist roles of sports and manipulative physiotherapy in health care.

This program will also enable physiotherapists to gain credit towards Level 2 membership of the Australian Physiotherapy Association national specialty groups, Sports Physiotherapy Australia and Musculoskeletal Physiotherapy Australia, the Australian Physiotherapy Association of Sports Physiotherapist, Musculoskeletal Physiotherapist and towards the clinical specialisation process of the Australian College of Physiotherapists.

## Admission requirements

To qualify for admission to this program conducted by the School of Physiotherapy, applicants will possess:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) an award of Master of Physiotherapy from the University of Sydney; or
- (iii) 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
- (iv) such qualifications as are deemed to be equivalent to (i),(ii) or (iii); or
- (v) other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

The successful applicant will have at least two years of relevant clinical experience in musculoskeletal/sports physiotherapy and and demonstrate continuing ongoing participation in high quality education within the field of sports or and manipulative physiotherapy.

## Course outline

The program will require the completion of a 48 credit point Master of Health Science (Sports Physiotherapy) or (Manipulative Physiotherapy) followed by completion of 24 credit points in the other discipline (see Table 28.8). The program can be undertaken in full-time or part-time mode.

~~Normally, students~~ Students enrolled in the combined program will not take out the first award, but will transfer to the combined award. Content will include biomedical and behavioural sciences, research methods and clinical practice.

Full-time mode: Total length of candidature for the combined degree will usually be ~~three~~ four semesters full-time. That is, two semesters for the single degree and an additional ~~one~~ two semesters ~~semester~~ to complete the combined degree.

Part-time mode: Total length of candidature for the combined degree will usually be six semesters part-time. That is, four semesters for the single degree and an additional ~~one or~~ two semesters to complete the combined degree depending on when the units of study are on offer. Candidates will be encouraged to complete the additional units of study in two semesters ~~one semester~~; if they choose to undertake only one unit of study per year, they may be required to return the following year for Semester 2 to complete the second unit of study.

International students: Part time enrolment is subject to visa requirements.

## Credit transfer

For new enrolments, credit transfer will follow the existing Faculty policy as outlined in the Faculty of Health Sciences

handbook. Students must complete the prescribed 48-credit point program in Sports Physiotherapy or Manipulative Physiotherapy before transferring to the combined degree program. The combined degree will require the completion of additional credit points that complement the previous degree (Tables 28.8 and 28.8.1). In other words, those who have completed the requirements of the Master of Health Science (Manipulative Physiotherapy) will complete units of study to expand their Sports Physiotherapy knowledge and skills, and vice versa.

Students who have had the degree of Master of Health Science (Sports Physiotherapy) or (Manipulative Physiotherapy) conferred but elect to return to enrol in the alternate degree, will not be awarded the combined degree. They will, instead, have two masters degrees i.e. Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy).

Credit transfer is outlined below for potential applicants, including:

- Enrolled student of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy)
- Graduates of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy)
- Graduates of Master of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years, and
- Graduates of Graduate Diploma of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years.

*Enrolled students of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy)*

Students enrolled in the Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy) from 2001 who wish to transfer to the 72 credit points combined degree can do so by completing 24 credit points units of study in addition to the 48 credit points of the original degree.

*Graduates of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy) prior to 2001*

The combined course is not available to these applicants. These applicants can take out the award of the alternate master degree by successfully completing 30 credit points.

*Graduates of Master of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years*

The combined course is not available to these applicants. These applicants can take out the award of the alternate master degree by successfully completing 30 credit points.

*Graduates of Graduate Diploma of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years*

These applicants can convert to a Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy), by a path that already exists for this conversion. They can then complete the alternate master degree by completing 30 credit points.

*Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Honours*

As with other master's degree programs within the School and Faculty, students can transfer to a Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Honours, provided they have successfully completed the Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Pass degree at a level deemed to be of sufficient merit by the School.

Table 28.8: Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
Course code SC105 Credit points for award: 72				
Full-time, 3-4 semesters				
Part-time, 6 to 7 semesters (duration depends on when units of study are offered)				
<b>Full-time mode</b>				
<b>Year 1</b>				
See Table 28.7 (Sports Physiotherapy) OR Table 28.3 (Manipulative Physiotherapy)				
<b>Year 2</b>				
PHTY 5155	Clinical Manipulative Physiotherapy C	12	A This unit is only available to students who have completed all requirements for the Master of Health Sciences (Sports Physiotherapy).	Semester 1
PHTY 5156	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	Semester 2
OR				
PHTY	Clinical Sports	12	A This unit of study is available only to students who have completed all	Semester 1

<b>5157</b>	Physiotherapy C		requirements for the MHIthSc(Manipulative Physiotherapy).	
<b>PHTY 5158</b>	Clinical Sports Physiotherapy D	12	<b>A</b> This unit of study is available only to students who have completed the MHIthSc(Manipulative Physiotherapy)	Semester 2
<b>Part-time mode</b> <i>(International students: Part-time enrolment is subject to visa requirements)</i>				
<b>Years 1 and 2</b>				
See Tables 28.7 (Sports Physiotherapy) OR Table 28.3 (Manipulative Physiotherapy)				
<b>Year 3</b>				
<b>Semester 1</b>				
<b>PHTY 5155</b>	Clinical Manipulative Physiotherapy C	12	<b>A</b> This unit is only available to students who have completed all requirements for the Master of Health Sciences (Sports Physiotherapy).	Semester 1
OR				
<b>PHTY 5157</b>	Clinical Sports Physiotherapy C	12	<b>A</b> This unit of study is available only to students who have completed all requirements for the MHIthSc(Manipulative Physiotherapy).	Semester 1
<b>Semester 2</b>				
<b>PHTY 5156</b>	Clinical Manipulative Physiotherapy D	12	<b>A</b> This unit of study is available only to students who have completed all requirements for the MHIthSc(Sports Physiotherapy). <b>C</b> PHTY5155 Clinical Manipulative Physiotherapy C	Semester 2
OR				
<b>PHTY 5158</b>	Clinical Sports Physiotherapy D	12	<b>A</b> This unit of study is available to students who have completed all requirements for the MHIthSc (Manipulative Physiotherapy).	Sem 2

Table 28.8.1: Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
The Combined Master of Health Science Honours degree involves the addition of a 12-credit point dissertation. Students of sufficient merit can apply to enter the Master of Health Science Honours degree in either Sports Physiotherapy or Manipulative Physiotherapy. Full-time: 4 <u>5</u> semesters, Part-time: 8 semesters.				
Course code SC091 (Sports Physiotherapy)				
Course code SC101 (Manipulative Physiotherapy)				
Award total: 12 credit points				
<b>Full-time mode</b>				
<b>PHTY 5109</b>	Dissertation	12		Semester 1
<b>Part-time mode</b> <i>(International students: Part-time enrolment is subject to visa requirements)</i>				
<b>PHTY 5109</b>	Dissertation	12		Semester 1

## Attachment 1

### PHTY 5100 Evaluation & Research in Physio Practice

6 credit points M Hlth Sc (Cardpul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), Associate Professor Rob Herbert, r.herbert@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Block ~~Flexible~~ flexible delivery modes. **Assessment:** Written submission.

The unit will provide the opportunity for students to practise critical evaluation of clinical research pertinent to physiotherapy practice. 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.

### PHTY 5101 Advanced Anatomy & Biomechanics

6 credit points. M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), Assoc Prof Jack Crosbie, J.Crosbie@fhs.usyd.edu.au/Dr Karen Ginn, K.Ginn@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** ~~Web-based block mode~~ On-campus with block modes /flexible delivery **Assessment:** Written examination, individual assignments.

This unit will consist of six modules exploring functional anatomy and biomechanics. Each module will examine one body region and will include an in-depth exploration of the structure and function of joints and soft tissues, as well as the ~~properties~~ properties and characteristics of movement related to these regions.

### PHTY 5103 Musculoskeletal Sports Injuries A

6 credit points. M Hlth Sc (Sports Phty), Dr Leslie Nicholson, l.nicholson@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus 3-4 4-6 hours/week, during the day. **Corequisites:** PHTY5101 Advanced Anatomy & Biomechanics. **Assessment:** Written report, seminar presentation and practical examinations, objective structured clinical exam.

This unit will focus on the assessment, 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.

### PHTY 5104 Clinical Sports Physiotherapy A

6 credit points. M Hlth Sc (Sports Phty), Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus 2 hours/week, and will require off campus commitment. **Corequisites:** PHTY5103 Musculoskeletal Sports Injuries A

PHTY5101 Advanced Anatomy & Biomechanics. **Assessment:** Research based seminar presentations and written reports; Workbook A (50%); Seminar Presentation 30 mins (40%); Workbook B (10%); written examination.

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.

### PHTY 5105 Theoretical Basis of Clinical Practice

6 credit points. M Hlth Sc (Cardpul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty). Dr Sharon Kilbreath, S.Kilbreath, Dr Alison Harmer, A.Harmer@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Web based modules and one 1.5 day block session. **Assessment:** Four written 500-word reports (60%); short answer question exam 2 hrs (40%).

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. It will also cover aspects of the nutritional basis of activity, the pharmacological effects of various medications and the effects of altered sleep patterns on function. The 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.

### PHTY 5106 Musculoskeletal Sports Injuries B

6 credit points. M Hlth Sc (Sports Phty), Dr Leslie Nicholson, l.nicholson@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 3-4 4-6 hours/week, during the day. **Prerequisites:** PHTY5101 Advanced Anatomy & Biomechanics. **Assessment:** Written research based report, seminar presentation and practical examinations; video analysis and report, objective structured clinical exam

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.

### PHTY 5107 Advanced Musculoskeletal Complex Cases

6 credit points. M Hlth Sc (Manip Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), Dr Debra Shirley, d.shirley@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 4 hours/week, during the day. **Prerequisites:** PHTY5101 Advanced Anatomy & Biomechanics, PHTY5103 Musculoskeletal Sports Injuries A, PHTY5106 Musculoskeletal Sports Injuries B. **Assessment:** Case study analyses, group participation and seminar presentations; panel discussion 30mins (20%x2), exam-short answer question 2hrs (60%).

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 evidence and critically evaluate their own and others' management strategies.

### PHTY 5108 Clinical Sports Physiotherapy B

6 credit points. M Hlth Sc (Sports Pty). Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 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

PHTY5101 Advanced Anatomy & Biomechanics. **Assessment:** Peer review, practical examinations, and written reports; ~~Workbook A Wk 8 (25%); Clinical exam 1hr (45%) plus 15mins viva, Workbook B (30%) and a written exam.~~

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.

### PHTY 5110 Introduction to Ergonomics

6 credit points. M Hlth Sc (Pty), . Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On campus attendance for 3-4 hours/week (late afternoon/early evening). **Assumed Knowledge:** Undergraduate Ergonomics. **Assessment:** ~~Written exam and seminar presentation.~~

~~This unit aims to give the student an overview of the discipline of ergonomics and explores the inter-relationship and relevance of a variety of ergonomic issues in the workplace through analysis and exploration of case study scenarios. Ergonomic concepts explored include a review of work physiology, biomechanics and kinesiology, physical and psychological factors influencing the worker, anthropometry and work system issues. A problem based learning approach will be used for content delivery with students working individually and in small groups to acquire and analyse case information and related materials. The tutor will facilitate this learning process. The unit will be assessed by written report and (group) seminar presentation. Peer evaluation, (of each individual's contribution to the group problem solving process), will also form part of the overall assessment for each student.~~

~~Textbooks~~

~~Ergonomics, the Physiotherapist in the Workplace, B.M (1990)~~

~~-Fitting the Task to the Man (4th ed) E. Grandjean (1990)~~

### PHTY 5111 Clinical Practice A

6 credit points. M Hlth Sc (Pty). ~~Mr~~ Dr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Predominantly off campus 50-60 hrs clinical practice. **Assessment:** Clinical journal, seminar presentation.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

Note: To undertake this unit overseas and 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 and certified translations into English will be required.

### PHTY 5112 Orthopaedic Physiotherapy

6 credit points. M Hlth Sc (Pty). Dr Alison Harmer, a.harmer@fhs.usyd.edu.au, Julia Hush, J.Hush@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** off-campus 4 hours/week. **Assessment:** written assignment, seminar presentation, written exam. ~~Includes an on-line exam for the initial (elective) refresher re-entry module and seminars and an essay for the remaining modules.~~

This unit of study provides the student with the opportunity to improve their knowledge and skills in the area of orthopaedic physiotherapy. ~~Students will complete 3 or 4 modules dependent on entry level. The unit will focus on the assessment, clinical diagnosis and management of common orthopaedic conditions including Rheumatology, Osteoporosis and Orthopaedic post-surgical rehabilitation and an independent learning module. This unit will focus on the assessment, clinical diagnosis and management of common orthopaedic conditions such as rheumatoid arthritis and osteoporosis as well as orthopaedic post-surgical rehabilitation.~~ The unit has been designed to be offered in distance education mode with on-line tutorials, electronic student chat rooms and electronically posted assignments, and thus depends upon a core number of students enrolling.

### PHTY 5113 Clinical Practice B

6 credit points. M Hlth Sc (Pty). ~~Mr~~ Dr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Predominantly off campus clinical practice, 50 – 60 hrs per week. **Assessment:** Clinical journal, seminar presentation.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

Note: To undertake this unit overseas and 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 and certified translations into English will be required.

### PHTY 5114 Optimising Motor Performance A

6 credit points. M Hlth Sc (Neuro Pty). ~~Dr Louise Ada, L.Ada~~ Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Flexible delivery modes. **Assumed Knowledge:** 2 years Neurology clinical experience. **Assessment:** Written exam 50% (40%); Seminar presentation (class) (30%) (50%); Seminar presentation (20%).

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.

### PHTY 5115 Clinical Neurological Physiotherapy A

6 credit points. M Hlth Sc (Neuro Phty). ~~Dr Colleen Canning, C.Canning@fhs.usyd.edu.au.~~ Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Flexible delivery modes. **Assumed Knowledge:** Assumed Knowledge: 2 years Neurology clinical experience. **Assessment:** Assignment 1 (30%); Assignment 2 (30%); take-home exam (40%).

This unit is designed to enable students to explore in some depth aspects of clinical practice ~~in order~~ 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.

### PHTY 5116 Optimising Motor Performance B

6 credit points. M Hlth Sc (Neuro Phty), M Hlth Sc (Phty). Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Flexible delivery modes. **Assumed Knowledge:** 2 years of clinical experience in Physiotherapy. **Assessment:** Written assignment (50%) (30%); viva exam 15 mins (50%) (40%); essay 1500 words (30%).

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.

### PHTY 5117 Topics in Neurological Physiotherapy

6 credit points. M Hlth Sc (Neuro Phty). ~~Dr Colleen Canning, C.Canning@fhs.usyd.edu.au.~~ Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Depends on elective chosen. **Assumed Knowledge:** 2 years Neurology clinical experience. **Assessment:** Varies, depending on electives chosen.

This unit is designed to allow the student choice in studying an area pertinent to neurological physiotherapy. With the approval of the course academic adviser, students may choose from units offered within the faculty, the University, or by other universities.

### PHTY 5118 Clinical Neurological Physiotherapy B

6 credit points. M Hlth Sc (Neuro Phty), . ~~Dr Colleen Canning, C.Canning@fhs.usyd.edu.au.~~ Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 4 hours/week, late afternoon and evening. **Assumed Knowledge:** 2 years Neurology clinical experience. **Assessment:** Training videotape (50%); written report of a case study (50%).

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.

### PHTY 5121 Cardiopulmonary Physiotherapy A

6 credit points. M Hlth Sc (Cardpul Phty), M Hlth Sc (Phty). ~~Dr Jenny Alison, J.Alison@fhs.usyd.edu.au.~~ Dr Martin Mackey, M.Mackey@fhs.usyd.edu.au **Session:** Semester 1. **Classes:** ~~Text based off campus mode. Independent learning package with one-day workshop.~~ **Corequisites:** PHTY 5100 Evaluation and Research in Physiotherapy Practice. **Assessment:** Five worksheets, three written assignments (2000 words each).

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.

### PHTY 5124 Advanced Musculoskeletal Disorders A

6 credit points. M Hlth Sc (Manip Phty), M Hlth Sc (Paed Phty). Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus 4 hours/week during day. **Corequisites:** PHTY5101 Advanced Anatomy & Biomechanics. **Assessment:** Essay 1500 words (40%); Objective structured clinical exam 2hrs (60%).

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 cervical ~~and upper thoracic spines, spine~~ and upper limbs. Specific emphasis is placed on manipulative physiotherapy, but in the context of total patient management applied with emphasis on evidence based practice. Current clinical evidence for the role of therapeutic exercise is a focus in all areas. ~~The unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice.~~

### PHTY 5125 Clinical Manipulative Physiotherapy A

6 credit points. M Hlth Sc (Manip Phty). Dr Rob Boland, R.Boland@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 12 hours/week. **Corequisites:** PHTY5101 Advanced Anatomy & Biomechanics, PHTY5124 Advanced Musculoskeletal Disorders A.. **Assessment:** Clinical exam short case (x2) (30% each 15% and 35%); Clinical exam long case (includes viva) (40-50%).

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical 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 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.~~ This unit will have some on-campus hours but will require considerable off-campus commitment.

### **PHTY 5126 Advanced Musculoskeletal Disorders B**

6 credit points. M Hlth Sc (Manip Phty). Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 3-4 4-6 hours/week, during the day. **Prerequisites:** PHTY5101 Advanced Anatomy & Biomechanics. **Assessment:** Essay 1500 words (40%); Objective structured clinical exam 2hrs (60%).

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, thoracic spine and lower limbs. Specific emphasis is placed on manipulative physiotherapy, but in the context of total patient management applied with emphasis on evidence based practice. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

### **PHTY 5128 Clinical Manipulative Physiotherapy B**

6 credit points. M Hlth Sc (Manip Phty). Dr Rob Boland, R.Boland@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 12 hours/week. **Prerequisites:** PHTY5101 Advanced Anatomy & Biomechanics  
PHTY5124 Advanced Musculoskeletal Disorders A, PHTY5125 Clinical Manipulative Physiotherapy A. **Corequisites:** PHTY5107 Advanced Musculoskeletal Complex Cases, PHTY5126 Advanced Musculoskeletal Disorders B. **Assessment:** Clinical exam short case (x2), 1hr (30% each) 15% and 35% ; Clinical exam long case (includes viva) (40%) -50%

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. 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 in the lower body. 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.

### **PHTY 5129 Topics in Paediatric Physiotherapy A**

6 credit points. M Hlth Sc (Paed Phty). Ms Genevieve Dwyer, G.Dwyer@fhs.usyd.edu.au. Ms Jane Butler, J.Butler@fhs.usyd.edu.au **Session:** Semester 1. **Classes:** Independent learning package Predominantly off-campus. **Assumed Knowledge:** 2 years Paediatric Physiotherapy clinical experience. **Assessment:** Seminar presentation 45mins (40%); assignment 2000-4000 words (60%).

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.

### **PHTY 5130 Clinical Paediatric Physiotherapy A**

6 credit points. M Hlth Sc (Paed Phty). Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Independent learning package Predominantly off-campus. **Assumed Knowledge:** 2 years Paediatric Physiotherapy clinical experience. **Assessment:** Seminar presentation 45 minutes (50%) and written report 3000-4000 words (50%).

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.

### **PHTY 5131 Concepts in Paediatric Physiotherapy**

6 credit points. M Hlth Sc (Paed Phty), M Hlth Sc (Phty). Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Independent learning package Predominantly 4 hours/week, off-campus. **Assumed Knowledge:** 2 years Paediatric Physiotherapy clinical experience. **Assessment:** Seminar presentation-individual, 20 mins (30%); Written assignment 2000 words (70%).

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.

### **PHTY 5132 Topics in Paediatric Physiotherapy B**

6 credit points. M Hlth Sc (Paed Phty). Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Independent learning package Off-campus. **Assumed Knowledge:** 2 years Paediatric Physiotherapy clinical experience. **Assessment:** In accordance with selected unit.

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.

### **PHTY 5133 Clinical Paediatric Physiotherapy B**

6 credit points. M Hlth Sc (Paed Phty). Dr Adrienne Hunt, A.Hunt@fhs.usyd.edu.au Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Independent learning package Predominantly off-campus. **Assumed Knowledge:** 2 years Paediatric Physiotherapy clinical experience. **Prerequisites:** PHTY5129 Topics in Paediatric Physiotherapy A. **Assessment:** Seminar presentation (50%), Written report of a case study (50%).

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.

### **PHTY 5134 Therapy in Disorders of the Hand**

6 credit points. M Hlth Sc (Phy).-Ms Rosemary Prosser, [rosemary\\_hands@msn.com.au](mailto:rosemary_hands@msn.com.au). Dr Martin Mackey, [M.Mackey@fhs.usyd.edu.au](mailto:M.Mackey@fhs.usyd.edu.au). **Session:** Semester 2. **Classes:** On-campus (block) and off-campus distance mode. **Two 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:** Seminar presentation, participation, essay, group participation and mastery of practical skills.

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.

### **PHTY 5155 Clinical Manipulative Physiotherapy C**

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty). Dr Rob Boland, [r.boland@fhs.usyd.edu.au](mailto:r.boland@fhs.usyd.edu.au). **Session:** Semester 1. **Assumed Knowledge:** This unit is only available to students who have completed all requirements for the Master of Health Sciences (Sports Physiotherapy). **Assessment:** Assessment will be clinical and practical examinations and seminar presentation.

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.

### **PHTY 5156 Clinical Manipulative Physiotherapy D**

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty). Dr Rob Boland, [R.Boland@fhs.usyd.edu.au](mailto:R.Boland@fhs.usyd.edu.au). **Session:** Semester 2. **Assumed Knowledge:** This unit of study is available only to students who have completed all requirements for the MHIthSc(Sports Physiotherapy). **Corequisites:** PHTY5155 Clinical Manipulative Physiotherapy C. **Assessment:** Assessment will be by clinical and practical examinations and seminar presentation.

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.

### **PHTY 5157 Clinical Sports Physiotherapy C**

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty). Dr Leslie Nicholson, [L.Nicholson@fhs.usyd.edu.au](mailto:L.Nicholson@fhs.usyd.edu.au). **Session:** Semester 1. **Classes:** 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 MHIthSc(Manipulative Physiotherapy). **Assessment:** Assessment will include clinical exams, seminar presentations and written reports.

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 of the upper body sustained in sports 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.

### **PHTY 5158 Clinical Sports Physiotherapy D**

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty). Dr Leslie Nicholson, [L.Nicholson@fhs.usyd.edu.au](mailto:L.Nicholson@fhs.usyd.edu.au). **Session:** Semester 2. **Classes:** On campus classes plus off-campus clinical work. **Assumed Knowledge:** This unit of study is available only to students who have completed the MHIthSc(Manipulative Physiotherapy). **Assessment:** Assessment will include clinical exams, seminar presentations and written reports.

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 in the lower body. 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.

### **PHTY 5159 Managing Clinical Education Placements**

6 credit points. H Sc D, M Hlth Sc (Cardpul Pty), M Hlth Sc (Phy), -Prof Joy Higgs, [J.Higgs@fhs.usyd.edu.au](mailto:J.Higgs@fhs.usyd.edu.au); Ms Cheryl Hobbs, [c.hobbs@fhs.usyd.edu.au](mailto:c.hobbs@fhs.usyd.edu.au). Contact Ms Shiva Chetty, [S.Chetty@fhs.usyd.edu.au](mailto:S.Chetty@fhs.usyd.edu.au) **Session:** Semester 1. **Classes:** Distance education with 1 or 2 on-campus block workshops. **Assumed Knowledge:** Professional practice and teaching experience. **Assessment:** Completion of 5 modules (40%). Workplace project OR A practical guide for organising your clinical placement (60%).

Within the overall curriculum framework, fieldwork and clinical educators face the task of designing, implementing and

evaluating clinical/fieldwork practicums/placements. They need to liaise with the relevant educational and fieldwork/clinical institutions. This unit will focus on the practical aspects of structuring and organising clinical placements. It will deal with the various organisational, interpersonal, and administrative aspects of this challenging task. Learning activities include reflecting on the participants' experience in conducting clinical education and exploring new strategies for structuring their clinical education/fieldwork placements. This will be supplemented by an ~~on-campus~~ on-campus workshop and independent learning based on readings and self-directed learning activities.

### **PHTY 5164 Ultrasound for Physiotherapists**

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Debra Shirley, d.shirley@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** ~~Distance education with intensive block mode.~~ Flexible delivery mode with 2 intensive block attendances. **Assessment:** Assignment, written exam, practical exam.

This unit of study aims to introduce graduate physiotherapists to the use of real time ultrasound in the visualization 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.