



PHTY807

Physiotherapy Practice C

S1 Day 2014

Department of Health Professions

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General Information

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Credit points

4

Prerequisites

PHTY800 and PHTY801 and PHTY802 and PHTY803

Corequisites

PHTY804

Co-badged status

Unit description

This unit will focus on the development of knowledge, skills and attributes required by physiotherapists to assess and treat clients of all ages with disorders of the cardiorespiratory and neurological systems. This unit builds on knowledge and skill previously attained and integrates with the concurrent unit PHTY804. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence-based practice, and safety, in preparation for clinical placements.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

On successful completion of this unit, you will be able to:

Describe common disorders of the cardiorespiratory and neurological systems and understand the principles of medical and physiotherapy treatment of these conditions.

Describe the role of other health professionals in the treatment of individuals with cardiorespiratory and/or neurological conditions.

Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.

Analyse assessment findings to form a diagnosis and a prioritised list of problems in impairments, activity limitations and participation restrictions.

Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.

Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.

Develop and implement a person-centred physiotherapy plan that addresses the

individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.

Demonstrate competency in performing technical skills for both assessment and treatment

Assessment Tasks

Name	Weighting	Due
<u>Mastery of clinical skills</u>	10%	13th June
<u>Clinical Simulation Exam 1</u>	25%	28 or 29 April
<u>Clinical Simulation Exam 2</u>	25%	End of semester exam period
<u>Written Examination</u>	40%	End of semester exam period

Mastery of clinical skills

Due: **13th June**

Weighting: **10%**

Students will be required to demonstrate mastery of 10 specified key clinical skills (5 neurological physiotherapy and 5 cardiorespiratory physiotherapy skills). Students will be responsible for ensuring that their tutor assesses their competence on the 10 skills during the semester. When students demonstrate competency in a skill the tutor will sign their mastery registry.

On successful completion you will be able to:

- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Demonstrate competency in performing technical skills for both assessment and treatment

Clinical Simulation Exam 1

Due: **28 or 29 April**

Weighting: **25%**

Students will perform a practical examination which involves assessment and treatment of a another student simulating a person with a neurological condition.

On successful completion you will be able to:

- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Analyse assessment findings to form a diagnosis and a prioritised list of problems in impairments, activity limitations and participation restrictions.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.
- Demonstrate competency in performing technical skills for both assessment and treatment

Clinical Simulation Exam 2

Due: **End of semester exam period**

Weighting: **25%**

Students will perform a practical examination which involves assessment and treatment of a another student simulating a person with a cardiorespiratory condition.

On successful completion you will be able to:

- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Analyse assessment findings to form a diagnosis and a prioritised list of problems in impairments, activity limitations and participation restrictions.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the

individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.

- Demonstrate competency in performing technical skills for both assessment and treatment

Written Examination

Due: **End of semester exam period**

Weighting: **40%**

Final written examination covering all content from this unit. 20% of the exam will be devoted to cardiorespiratory physiotherapy and 20% to neurological physiotherapy.

On successful completion you will be able to:

- Describe common disorders of the cardiorespiratory and neurological systems and understand the principles of medical and physiotherapy treatment of these conditions.
- Describe the role of other health professionals in the treatment of individuals with cardiorespiratory and/or neurological conditions.
- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Analyse assessment findings to form a diagnosis and a prioritised list of problems in impairments, activity limitations and participation restrictions.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.

Delivery and Resources

Textbooks and Readings

The following texts are essential resources and available in the library reserve. Recommendations about specific readings from these and other resources (such as research papers, books, websites and videos) will be listed on iLearn.

Carr JH and Shepherd RB (2010) Neurological rehabilitation: Optimizing motor performance (2nd ed). Elsevier Health Sciences

Pryor JA and Prasad SA (2008) Physiotherapy for Respiratory and Cardiac Problems (4th ed). London: Churchill Livingstone Elsevier.

Technology and equipment

Teaching rooms are equipped with state of art audio-visual and ICT equipment including 1 laptop and 1 iPad per 2 students, internet connection, high quality video cameras and multiple LCD screens. Students will use a range of physiotherapy specific equipment typically used in the assessment and management of neurological and cardiorespiratory conditions. Videos of many of the assessment and treatment skills will be available on the iLearn site.

Assessment/Standards

Details for each assessment task will be available on iLearn. Marking rubrics for the clinical simulation (practical exams) will be available on iLearn. The unit consists of two distinct modules: cardiorespiratory physiotherapy and neurological physiotherapy. The assessment of each module makes up 50% of the total grade. Students must reach a satisfactory standard for each module, students who do not reach a satisfactory standard in one or both of the modules will achieve a Standardised Numerical Grade (SNG) of no more than 45 Fail for the unit.

Teaching and Learning Strategy

This unit will have 13 hours of lectures and 52 hours of tutorials. Lectures will provide foundation knowledge and also use large group demonstrations and discussion, enabling students to use tutorial time efficiently to develop technical clinical skills and clinical decision making. Tutorials will rely heavily on the use of case studies and authentic learning environments to assist student engagement and preparation for clinical placements in the following semester.

iLearn: This unit's iLearn site will provide weekly resources for students, including:

- lecture notes
- tutorial worksheets
- preparation and consolidation material
- videos
- other teaching resources
- assessment details

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy http://mq.edu.au/policy/docs/academic_honesty/policy.html

Assessment Policy <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Grievance Management Policy http://mq.edu.au/policy/docs/grievance_management/policy.html

Disruption to Studies Policy http://www.mq.edu.au/policy/docs/disruption_studies/policy.html *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of Policy Central.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/support/student_conduct/

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

IT Help

For help with University computer systems and technology, visit <http://informatics.mq.edu.au/help/>.

When using the University's IT, you must adhere to the [Acceptable Use Policy](#). The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

Learning outcomes

- Describe common disorders of the cardiorespiratory and neurological systems and understand the principles of medical and physiotherapy treatment of these conditions.
- Describe the role of other health professionals in the treatment of individuals with cardiorespiratory and/or neurological conditions.
- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Analyse assessment findings to form a diagnosis and a prioritised list of problems in impairments, activity limitations and participation restrictions.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.
- Demonstrate competency in performing technical skills for both assessment and

treatment

Assessment tasks

- Clinical Simulation Exam 1
- Clinical Simulation Exam 2
- Written Examination

PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

Learning outcomes

- Describe common disorders of the cardiorespiratory and neurological systems and understand the principles of medical and physiotherapy treatment of these conditions.
- Describe the role of other health professionals in the treatment of individuals with cardiorespiratory and/or neurological conditions.
- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Analyse assessment findings to form a diagnosis and a prioritised list of problems in impairments, activity limitations and participation restrictions.
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- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.
- Demonstrate competency in performing technical skills for both assessment and treatment

Assessment tasks

- Clinical Simulation Exam 1
- Clinical Simulation Exam 2
- Written Examination

PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

Learning outcomes

- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Analyse assessment findings to form a diagnosis and a prioritised list of problems in impairments, activity limitations and participation restrictions.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.
- Demonstrate competency in performing technical skills for both assessment and treatment

Assessment tasks

- Clinical Simulation Exam 1
- Clinical Simulation Exam 2
- Written Examination

PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different

social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

Learning outcomes

- Describe the role of other health professionals in the treatment of individuals with cardiorespiratory and/or neurological conditions.
- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.
- Demonstrate competency in performing technical skills for both assessment and treatment

Assessment tasks

- Mastery of clinical skills
- Clinical Simulation Exam 1
- Clinical Simulation Exam 2

PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

Learning outcomes

- Describe the role of other health professionals in the treatment of individuals with cardiorespiratory and/or neurological conditions.

- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate outcome measures.

Assessment task

- Written Examination

PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

Learning outcomes

- Describe the role of other health professionals in the treatment of individuals with cardiorespiratory and/or neurological conditions.
- Plan and conduct an assessment of people with cardiorespiratory and neurological disorders including a comprehensive history and physical examination.
- Demonstrate competency in communicating with people with cardiorespiratory and neurological disorders to provide appropriate information about their diagnosis and prognosis and to select a treatment with consideration of the individual's preferences and expectations.
- Describe the efficacy of physiotherapy treatments for cardiorespiratory and neurological disorders based on current evidence and demonstrate competence in implementing these treatments with peers.
- Develop and implement a person-centred physiotherapy plan that addresses the individual's goals, utilises evidence-based treatment and is evaluated using appropriate

outcome measures.

Assessment tasks

- Mastery of clinical skills
- Clinical Simulation Exam 1
- Clinical Simulation Exam 2
- Written Examination