PHTY807

Physiotherapy Practice C

S1 Day 2019

Department of Health Professions

Contents

General Information 2

Learning Outcomes 3

General Assessment Information 4

Assessment Tasks 5

Delivery and Resources 8

Policies and Procedures 9

Graduate Capabilities 11

Changes from Previous Offering 16

Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

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 skills attained in the first semester of the porgram, 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 of common disorders of the cardiorespiratory and neurological systems.

General Assessment Information

Information concerning Macquarie University's assessment policy is available at https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/assessment . Grade descriptors and other information concerning grading requirements are contained in Schedule 1 of the Macquarie University Assessment Policy.

To pass this unit, students must have:

- Attempted all assessment tasks; **AND**
- Demonstrated sufficient evidence of achievement of the unit learning outcomes.

Further details for each assessment task will be available on iLearn, including marking rubrics.

All final grades in the Department of Health Professions are determined by the Faculty of Medicine and Health Sciences Assessment Committee, and are approved by the Faculty Board. They are not the sole responsibility of the Unit Convenor. Students will be awarded an Assessment Grade plus a Standardised Numerical Grade (SNG). The SNG is not necessarily a summation of the individual assessment components. The final grade and SNG that are awarded reflect the corresponding grade descriptor in Schedule 1 of the Assessment Policy.

This unit consists of two distinct modules: cardiorespiratory physiotherapy and neurological physiotherapy. To pass this unit, students must demonstrate sufficient evidence of achievement of learning outcomes for both the neurological physiotherapy and cardiorespiratory physiotherapy modules. 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.

Mastery - Hurdle Requirement

In this unit mastery is a hurdle requirement. A hurdle requirement is an assessment task mandating a minimum level of performance as a condition of passing a unit of study. The mastery register for PHTY807 PPC is a list of 10 skills in which competence is considered to be a requirement for the assurance of quality physiotherapy practice for registration. Students must demonstrate a minimum level of competence in these skills as a condition of passing this unit by achieving **60% completion** of the mastery register (that is to achieve completion of **6/10 items**) by the date stipulated by 5pm on Friday in week 13 in order to successfully complete the unit. For PHTY807 PPC there are 5 mastery items related to the neurological module and 5 items related to the cardiorespiratory module. Students are required to achieve **60% completion** of the mastery register **within each of these modules** (that is to achieve completion of **3/5 items for each module**) in order to successfully complete the unit.

Extensions for Assessment Tasks

Applications for assessment task extensions may be considered for short-term, unexpected, serious, and unavoidable circumstances affecting assessment. Applications must be submitted via www.ask.mq.edu.au . For further details please refer to the Special Considerations Policy available at https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration

Late Submission of Work

All assignments which are officially received after the due date, and where no extension has been granted by the Unit Convenor, may incur a deduction of 10% of the overall assessment weighting for the first day, and 10% for each subsequent day, including the actual day on which the work is received. Assessments received 5 days or more beyond the due date, without an approved extension, will be awarded a maximum of 50% of the overall assessment marks. Weekends and public holidays are included. For example:

Due Date	Received	Days Late	Deduction	Raw Mark	Final Mark
Friday, 14th	Monday, 17th	3	30%	75%	45%

Assessment Tasks

Name	Weighting	Hurdle	Due
Clinical Simulation Exam 1	25%	No	10th or 12th April
Clinical Simulation Exam 2	25%	No	End of session exam period
Written Examination	50%	No	End of session exam period
Mastery of clinical skills	0%	Yes	Friday 7th June

Clinical Simulation Exam 1

Due: **10th or 12th April**
Weighting: **25%**

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

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.
- Demonstrate competency in performing technical skills for both assessment and treatment of common disorders of the cardiorespiratory and neurological systems.

Clinical Simulation Exam 2

Due: **End of session exam period**
Weighting: **25%**

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

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.
- Demonstrate competency in performing technical skills for both assessment and treatment of common disorders of the cardiorespiratory and neurological systems.

Written Examination

Due: **End of session exam period**
Weighting: **50%**

Final written examination covering all content from this unit. Half of the exam will be devoted to cardiorespiratory physiotherapy (25% of total unit weighting) and half to neurological physiotherapy (25% of total unit weighting).

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.

Mastery of clinical skills

Due: **Friday 7th June**
Weighting: **0%**
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Students will be required to attempt 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 9 of the skills during tutorials throughout the semester. When a student demonstrates competency in a skill, the tutor will sign their mastery registry.

The final mastery skill will be assessed by completion of an independent learning module and the recording of a video demonstrating the student's performance of the skill.

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 of common disorders of the cardiorespiratory and neurological systems.

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 and Shepherd (2010) Neurological rehabilitation: Optimizing motor performance (2nd ed). Elsevier Health Sciences
- Main and Denehey (2016) Cardiorespiratory Physiotherapy: Adults and Paediatrics (5th Edition). Elsevier Health Sciences

Technology and Equipment

Teaching rooms are equipped with state of art audio-visual and ICT equipment including iPads, 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.

Consultation with staff

All staff will be available for individual consultations, please see iLearn site for information on staff availability for consultation.

Teaching and Learning Strategy

This unit will have 1 lecture and 2 tutorials per week. 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.

Attendance

In the Faculty of Medicine and Health Sciences professionalism is a key capability embedded in all our programs. As part of developing professionalism, Faculty of Medicine and Health Sciences students are expected to attend all small group interactive sessions including tutorials, clinical and laboratory practical sessions. In most cases lectures are recorded; however, lecture recordings cannot be guaranteed and some discussion or content may not be available via the recording system.

All lectures and tutorials are scheduled in your individual timetable. The timetable for classes can be found on the University web site at: http://www.timetables.mq.edu.au/. You may make a request to your tutor to attend a different tutorial on a one-off basis for extenuating circumstances.

Failure to attend any learning and teaching activities, including lectures and tutorials, may impact your final results. It is the responsibility of the student to contact their tutor or the unit convenor by email to inform tutors if they are going to be absent.

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 (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy

- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Grade Appeal Policy
- Complaint Management Procedure for Students and Members of the Public
- Special Consideration Policy *(**Note:** The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)*

Undergraduate students seeking more policy resources can visit the Student Policy Gateway (https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/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/study/getting-started/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

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

If you are a Global MBA student contact globalmba.support@mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

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

- Clinical Simulation Exam 1
- Clinical Simulation Exam 2

- Written Examination
- Mastery of clinical skills

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 of common disorders of the cardiorespiratory and neurological systems.

Assessment tasks

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

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.
- 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 of common disorders of the cardiorespiratory and neurological systems.

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 of common disorders of the cardiorespiratory and neurological systems.

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 of common disorders of the cardiorespiratory and neurological systems.

Assessment tasks

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

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 tasks

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

Changes from Previous Offering

Lecture and tutorial notes have been updated from previous offerings as appropriate