



PHTY8101

Applied Sciences for Physiotherapy B

Session 2, Weekday attendance, North Ryde 2021

Archive (Pre-2022) - Department of Health Professions

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Disclaimer

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Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

General Information

Unit convenor and teaching staff

Unit convenor

Joanne Glinsky

joanne.glinsky@mq.edu.au

Contact via Email

Ground Floor, 75T

Email for appointment

Taryn Jones

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Credit points

10

Prerequisites

Admission to DPT

Corequisites

Co-badged status

Unit description

This unit will build upon your prerequisite and assumed knowledge with a focus on movement science in the context of physiotherapy. You will utilise skills in clinical observation and measurement of human performance to analyse the biomechanical and anatomical characteristics of everyday activities in healthy persons and those with health conditions. Using the World Health Organisation's International Classification of Functioning, Disability and Health as a model of clinical reasoning you will apply strategies to manage common impairments, and promote skill acquisition within the context of motor learning, to optimise human movement and participation.

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:

ULO1: Apply proficient knowledge of anatomy to accurately describe and analyse everyday activities. (Scientist & Scholar)

ULO2: Describe the biomechanical characteristics of performance of common everyday activities in healthy persons across the lifespan. (Scientist & Scholar)

ULO3: Utilise clinical observation and measurement skills to identify adaptive behaviours during the performance of everyday activities, and apply sound clinical reasoning and assessment skills to determine the underlying impairments. (Clinical Practitioner)

ULO4: Competently select, perform and interpret tests commonly used in physiotherapy practice to assess human performance, applying strategies to enhance the reliability and validity of specific measurement procedures. (Clinical Practitioner)

ULO5: Design and progress an evidence-based exercise program to enhance motor learning and performance that considers impairments, goals and preferences, as well as social and behavioural factors alongside cultural background. (Clinical Practitioner)

General Assessment Information

Information concerning Macquarie University's [Assessment Policy](#) is available at policies.mq.edu.au. 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 demonstrate sufficient evidence of achievement of the learning outcomes and meet the minimum requirements for the mastery register assessment. Further details for each assessment task will be available on iLearn, including marking rubrics.

All final grades in the Faculty of Medicine, Health and Human Sciences are determined by the Faculty of Medicine, Health and Human 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.

If there is a lack of sufficient evidence demonstrating that a student has met the required level of achievement in all learning outcomes they will be awarded a Fail grading with an assigned mark of 49 or less.

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 Disruption to Studies Policy available at <https://students.mq.edu.au/study/my-study-program/special-consideration/disruption-to-studies>

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, will incur a deduction of 5% of the overall assessment

weighting for the first day, and 5% for each subsequent day, including the actual day on which the work is received. Assessments received 10 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	60

Hurdle Assessment

The PHTY8101 Mastery Register is a hurdle assessment task. A hurdle requirement is an activity for which a minimum level of performance or participation is a condition of passing the unit in which it occurs. **Students are required to achieve 60% completion of the Mastery Register by the due date to successfully complete the unit.** A student who has obtained a SNG over 50, yet failed the hurdle assessment, fails the unit. Please see Macquarie University's [assessment policy](#) for more information about hurdle assessment tasks.

Assessment Tasks

Name	Weighting	Hurdle	Due
Quiz 1	30%	No	Week 7
Quiz 2	30%	No	Week 12
Mastery register	0%	Yes	Week 13
Practical skills examination and viva	40%	No	Week 14/15/16

Quiz 1

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 18 hours

Due: **Week 7**

Weighting: **30%**

The quiz will include short-answer questions on unit content delivered up to the end of the week prior to the quiz.

On successful completion you will be able to:

- Apply proficient knowledge of anatomy to accurately describe and analyse everyday activities. (Scientist & Scholar)
- Describe the biomechanical characteristics of performance of common everyday

- activities in healthy persons across the lifespan. (Scientist & Scholar)
- Utilise clinical observation and measurement skills to identify adaptive behaviours during the performance of everyday activities, and apply sound clinical reasoning and assessment skills to determine the underlying impairments. (Clinical Practitioner)
- Competently select, perform and interpret tests commonly used in physiotherapy practice to assess human performance, applying strategies to enhance the reliability and validity of specific measurement procedures. (Clinical Practitioner)
- Design and progress an evidence-based exercise program to enhance motor learning and performance that considers impairments, goals and preferences, as well as social and behavioural factors alongside cultural background. (Clinical Practitioner)

Quiz 2

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 18 hours

Due: **Week 12**

Weighting: **30%**

The quiz will include short-answer questions on unit content delivered up to the end of the week prior to the quiz.

On successful completion you will be able to:

- Apply proficient knowledge of anatomy to accurately describe and analyse everyday activities. (Scientist & Scholar)
- Describe the biomechanical characteristics of performance of common everyday activities in healthy persons across the lifespan. (Scientist & Scholar)
- Utilise clinical observation and measurement skills to identify adaptive behaviours during the performance of everyday activities, and apply sound clinical reasoning and assessment skills to determine the underlying impairments. (Clinical Practitioner)
- Competently select, perform and interpret tests commonly used in physiotherapy practice to assess human performance, applying strategies to enhance the reliability and validity of specific measurement procedures. (Clinical Practitioner)
- Design and progress an evidence-based exercise program to enhance motor learning and performance that considers impairments, goals and preferences, as well as social and behavioural factors alongside cultural background. (Clinical Practitioner)

Mastery register

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 12 hours

Due: **Week 13**

Weighting: **0%**

This is a hurdle assessment task (see [assessment policy](#) for more information on hurdle assessment tasks)

The mastery register for PHTY8101 is a list of key skills in which competence is considered to be a requirement for the assurance of quality physiotherapy practice for registration. You 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 in order to successfully complete the unit.

On successful completion you will be able to:

- Apply proficient knowledge of anatomy to accurately describe and analyse everyday activities. (Scientist & Scholar)
- Competently select, perform and interpret tests commonly used in physiotherapy practice to assess human performance, applying strategies to enhance the reliability and validity of specific measurement procedures. (Clinical Practitioner)
- Design and progress an evidence-based exercise program to enhance motor learning and performance that considers impairments, goals and preferences, as well as social and behavioural factors alongside cultural background. (Clinical Practitioner)

Practical skills examination and viva

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 26 hours

Due: **Week 14/15/16**

Weighting: **40%**

You will demonstrate selected practical skills and clinical reasoning based on case scenarios. The exam will include practical and viva components.

On successful completion you will be able to:

- Apply proficient knowledge of anatomy to accurately describe and analyse everyday activities. (Scientist & Scholar)

- Describe the biomechanical characteristics of performance of common everyday activities in healthy persons across the lifespan. (Scientist & Scholar)
 - Utilise clinical observation and measurement skills to identify adaptive behaviours during the performance of everyday activities, and apply sound clinical reasoning and assessment skills to determine the underlying impairments. (Clinical Practitioner)
 - Competently select, perform and interpret tests commonly used in physiotherapy practice to assess human performance, applying strategies to enhance the reliability and validity of specific measurement procedures. (Clinical Practitioner)
 - Design and progress an evidence-based exercise program to enhance motor learning and performance that considers impairments, goals and preferences, as well as social and behavioural factors alongside cultural background. (Clinical Practitioner)
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¹ If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

² Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

Assumed knowledge

This unit assumes that you have comprehensive knowledge of anatomy and physiology.

Teaching and Learning Strategy

This unit encompasses an active learning approach where you will be expected to engage in enhancing your own learning experience. The teaching and learning approach will be based on students developing a deep understanding of principles and the ability to independently solve problems, with the expectation that students can then translate this knowledge to different clinical scenarios (e.g. patients with similar impairments but different diagnoses).

Lectures will provide foundation knowledge for this unit. They will be pre-recorded and complimented by online large group discussions and activities.

Practical sessions will focus on the development of technical skills and clinical reasoning. Practical content will be based on clinical skills and case studies. It will be situated in authentic learning environments to optimally prepare students for their future clinical placements.

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

- lecture notes

- worksheets for practical sessions
- preparation and consolidation material
- videos
- assessment details

Attendance

In the Faculty of Medicine, Health & Human Sciences professionalism is a key capability embedded in all our programs. As part of developing professionalism, Faculty of Medicine, Health & Human Sciences students are expected to attend all scheduled teaching and learning activities. You should be punctual and prepared for all sessions.

All 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 unit convener to attend a different tutorial on a one-off basis for extenuating circumstances.

Failure to attend any learning and teaching activities, including tutorials, may impact your final results. It is your responsibility to contact the unit convenors by email to inform tutors if you are going to be absent.

This unit involves essential on-campus learning activities which will be delivered in accordance with a COVID Safe plan. You are expected to attend campus for these activities unless the Public Health Orders and/or University advice changes, you have any symptoms of COVID or you have been identified as a contact of an individual with COVID.

Textbooks & Readings

Essential: This unit does not have any textbooks that are essential for you to purchase.

Recommended: The following texts will be useful 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.
- Carr JH and Shepherd RB (2003) *Stroke rehabilitation: Guidelines for exercise and training to optimize motor skill*. Oxford: Butterworth Heinemann.
- Magill RA (2011) *Motor Learning and Control: Concepts and Applications (9th Ed)*. New York: McGraw Hill.
- Oatis CA (2009) *Kinesiology: The Mechanics & Pathomechanics of Human Movement (2nd Ed)*. Baltimore: Lippincott Williams and Wilkins.

Technology and equipment

On-campus

Teaching rooms are equipped with state of art audio-visual and ICT equipment including internet connection, high quality video cameras and multiple LCD screens.

Off-campus

To study optimally when off campus you will need to have access to a reliable internet connection to retrieve unit information & at times to submit assessment tasks, including multimedia submissions, via iLearn.

Unit Schedule

Detailed information pertaining to the unit schedule can be found on iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au). 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](#)

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

To find other policies relating to Teaching and Learning, visit [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au) and use the [search tool](#).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/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 help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

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.

Changes from Previous Offering

In 2020, due to COVID-19, PHTY8101 was a special circumstance offering. Delivery of content and assessment had to be modified to optimise online teaching and learning. PHTY8101 in 2021 will revert back to the standard weekday attendance offering with all practical classes delivered face-to-face. There will be a range of online activities, including lectures, to complete prior to attending weekly practical classes, allowing for a flexible, blended learning approach.

Changes since First Published

Date	Description
18/07/2021	Update for COVID related advice