



PHTY819

Advanced Research Training

S2 Day 2018

Department of Health Professions

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Disclaimer

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General Information

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Credit points

4

Prerequisites

PHTY815

Corequisites

Co-badged status

Unit description

This unit will consist of two modules. The first module will involve a seminar series showcasing and evaluating the work of distinguished scientists in physiotherapy and related fields. In the second module, students will develop a full proposal for the research project for completion in PHTY904. Throughout both modules students will extend their skills developed in PHTY804 to understand advanced methodological, regulatory and professional aspects of physiotherapy research.

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:

1. Discuss the national regulatory and ethical issues underpinning research in health care, in the context of NHMRC National Statement on Ethical Conduct in Human Research
2. Explain the contribution of high quality research to the advancement of physiotherapy practice and the profession
3. Work collaboratively with peers, staff and guest researchers to convene professional research seminars
4. Discuss contemporary career pathways for physiotherapists that involve the conduct or leadership of physiotherapy research

5. Demonstrate advanced skills in the methodology, analysis and critical appraisal of epidemiological studies, clinical trials, qualitative studies and experimental research
6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements
7. Present and justify a research proposal which meets time and funding constraints

General Assessment Information

Information concerning Macquarie University's assessment policy is available at http://mq.edu.au/policy/docs/assessment/policy_2016.html. 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 have attempted all assessment tasks.

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 a grading committee and are not the sole responsibility of the Unit Convenor.

Students will be awarded one of these grades 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.

Extensions for Assessment Tasks

Applications for assessment task extensions must be submitted via www.ask.mq.edu.au. For further details please refer to the Disruption to Studies Policy available at http://mq.edu.au/policy/docs/disruption_studies/policy.html

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 10% for the first day, and 10% for each subsequent day including the actual day on which the work is received. 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
Seminar Series	25%	No	Weeks 5-7
Project Plan	50%	No	Week 12
Oral Skills Development	25%	No	Week 14

Seminar Series

Due: **Weeks 5-7**

Weighting: **25%**

Showcase Series Written Reflection - Students will be involved in convening, participating and reflecting on the three Physiotherapy showcase seminars. They will assist with organising the seminar series including: hosting, introducing and questioning the distinguished researcher. To complete the assessment individual students will be required to submit a written (750 -1000 words) reflection on the distinguish researcher's career and their impact on the physiotherapy profession.

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- 2. Explain the contribution of high quality research to the advancement of physiotherapy practice and the profession
- 3. Work collaboratively with peers, staff and guest researchers to convene professional research seminars
- 4. Discuss contemporary career pathways for physiotherapists that involve the conduct or leadership of physiotherapy research

Project Plan

Due: **Week 12**

Weighting: **50%**

Submission of full research project plan.

On successful completion you will be able to:

- 1. Discuss the national regulatory and ethical issues underpinning research in health care, in the context of NHMRC National Statement on Ethical Conduct in Human

Research

- 5. Demonstrate advanced skills in the methodology, analysis and critical appraisal of epidemiological studies, clinical trials, qualitative studies and experimental research
- 6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements
- 7. Present and justify a research proposal which meets time and funding constraints

Oral Skills Development

Due: **Week 14**

Weighting: **25%**

In this assessment students will undertake a short oral presentation to their peers and staff. The presentations will be in 5 slides by 5 min format. The slides will provide an overview of the student's research project with focus on the background a justification of their projects and the intended methodology.

On successful completion you will be able to:

- 2. Explain the contribution of high quality research to the advancement of physiotherapy practice and the profession
- 3. Work collaboratively with peers, staff and guest researchers to convene professional research seminars
- 4. Discuss contemporary career pathways for physiotherapists that involve the conduct or leadership of physiotherapy research
- 5. Demonstrate advanced skills in the methodology, analysis and critical appraisal of epidemiological studies, clinical trials, qualitative studies and experimental research
- 6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements
- 7. Present and justify a research proposal which meets time and funding constraints

Delivery and Resources

Unit Organisation

This is a four credit point unit run over a 13 week session. Content is delivered predominantly in half and full day workshops and seminars. Online content is used to enhance and support learning and teaching activities. Further information is available via the PHTY819 online Learning Management System (LMS) iLearn <http://ilearn.mq.edu.au>

Assumed knowledge

This unit builds on your learning in the previous four semesters and assumes you have knowledge and skills in all key areas of physiotherapy

Teaching and Learning Strategy

The teaching strategy will comprise a combination of online activities and face-to-face contact. There will also be regular meetings with supervisors, tutorials /workshops for learning core (technical) research skills and workshops in preparation for convening the three departmental showcases. Further details will be available on iLearn.

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 interactive sessions including tutorials, workshops, seminars and practical sessions. In most cases lectures are recorded; however, lecture recordings cannot be guaranteed and some discussion or content may not be available for viewing via the recording system. Specifically, not all content will be recorded for this unit, due to the interactive nature of the activities and personal insights being delivered by leaders and business owners. Therefore, attendance is expected at all learning and teaching activities.

All lectures, tutorials and workshops 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 the unit convenor by email to inform them if they are going to be absent. The timetable for classes can be found on the University web site at: <http://www.timetables.mq.edu.au/>.

Textbooks

There is no prescribed textbook for this unit.

Readings

Readings for each learning and teaching activity will be listed on iLearn. For readings that are journal articles available electronically through the library it is your responsibility to find and download these. For readings that are chapters from a textbook and meet copyright restrictions they will be available on e-reserve as a PDF.

Technology and equipment

On-campus

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.

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 via iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](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 \(https://students.mq.edu.au/support/study/student-policy-gateway\)](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 \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](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 shown in *iLearn*, 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.

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://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

1. Discuss the national regulatory and ethical issues underpinning research in health care, in the context of NHMRC National Statement on Ethical Conduct in Human Research
3. Work collaboratively with peers, staff and guest researchers to convene professional research seminars
4. Discuss contemporary career pathways for physiotherapists that involve the conduct or leadership of physiotherapy research
6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements
7. Present and justify a research proposal which meets time and funding constraints

Assessment tasks

- Seminar Series

- Project Plan

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

- 2. Explain the contribution of high quality research to the advancement of physiotherapy practice and the profession
- 5. Demonstrate advanced skills in the methodology, analysis and critical appraisal of epidemiological studies, clinical trials, qualitative studies and experimental research
- 6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements

Assessment tasks

- Project Plan
- Oral Skills Development

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

- 2. Explain the contribution of high quality research to the advancement of physiotherapy practice and the profession
- 5. Demonstrate advanced skills in the methodology, analysis and critical appraisal of epidemiological studies, clinical trials, qualitative studies and experimental research
- 6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements

Assessment tasks

- Project Plan
- Oral Skills Development

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

- 2. Explain the contribution of high quality research to the advancement of physiotherapy practice and the profession
- 5. Demonstrate advanced skills in the methodology, analysis and critical appraisal of epidemiological studies, clinical trials, qualitative studies and experimental research
- 6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements
- 7. Present and justify a research proposal which meets time and funding constraints

Assessment tasks

- Project Plan
- Oral Skills Development

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

- 2. Explain the contribution of high quality research to the advancement of physiotherapy practice and the profession
- 3. Work collaboratively with peers, staff and guest researchers to convene professional research seminars
- 5. Demonstrate advanced skills in the methodology, analysis and critical appraisal of epidemiological studies, clinical trials, qualitative studies and experimental research
- 6. Prepare a research proposal in accordance with relevant regulatory and ethical requirements
- 7. Present and justify a research proposal which meets time and funding constraints

Assessment tasks

- Seminar Series
- Project Plan
- Oral Skills Development

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

- 1. Discuss the national regulatory and ethical issues underpinning research in health care, in the context of NHMRC National Statement on Ethical Conduct in Human Research
- 4. Discuss contemporary career pathways for physiotherapists that involve the conduct or leadership of physiotherapy research

Assessment tasks

- Seminar Series
- Project Plan

Changes from Previous Offering

There have been no major changes since the previous iteration.