



# PHTY804

## Evidence-based Healthcare

S1 Day 2015

*Department of Health Professions*

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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

Unit convenor, Lecturer, Tutor

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Clinical Educator (HAWCs)

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Tutor

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Credit points

4

Prerequisites

PHTY800 and PHTY801 and PHTY802 and PHTY803

Corequisites

PHTY805 and PHTY806 and PHTY 807

Co-badged status

Unit description

This unit introduces students to the principles underpinning and practice of evidence-based health care, whereby research evidence is integrated with clinical expertise and patients' values. Specifically, students will learn how to formulate clinical questions about diagnosis, prognosis and treatment, and locate and critically appraise relevant high-quality evidence to answer those questions. This unit provides an evidence-based framework for concurrent and future units of study and is embedded in the curriculum to enhance life-long learning skills. By integration with a clinical component, students will develop foundational skills in how to implement evidence-based health care in clinical practice.

## 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:

Demonstrate competency in formulating relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek physiotherapy care.

Demonstrate competency in using electronic resources to locate relevant research evidence to answer clinical questions to enhance the practice of physiotherapy.

Critically appraise relevant research to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment.

Describe and demonstrate practical strategies to successfully implement current evidence into clinical practice.

Apply evidence-based health care knowledge and skills to concurrent units of study and commence development of evidence summaries relevant to physiotherapy health care.

Demonstrate effective communication and professional behaviour in accordance with ethical, legal and professional standards of care while observing, recording and monitoring volunteers from the Health and Wellbeing Collaboration (HAWCs).

## **General Assessment Information**

Grade descriptors and other information concerning grading are contained in the Macquarie University Grading Policy, which is available at: <http://www.mq.edu.au/policy/docs/grading/policy.html>

To pass this unit, students must demonstrate sufficient evidence of achievement of the 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 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 the Grading Policy.

### **Extensions for Assessment Tasks**

Applications for assessment task extensions must be submitted via [www.ask.mq.edu.au](http://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](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 course convenor or tutor, 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	Due
<a href="#"><u>Health Condition Worksheet</u></a>	30%	Weeks 5-10
<a href="#"><u>HAWC Seminar</u></a>	30%	Weeks 10-11
<a href="#"><u>HAWC Report</u></a>	40%	Week 15/16

### Health Condition Worksheet

Due: **Weeks 5-10**

Weighting: **30%**

For this assessment task students will work in pairs to complete a Health Condition Worksheet, on one health condition that they chose from a list provided of common health conditions.

Part 1 due: 5pm Friday, 27th March (Week 5) - 20%

Part 2 due: 5pm Friday 15th May (Week 10) - 10%

On successful completion you will be able to:

- Demonstrate competency in formulating relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek physiotherapy care.
- Demonstrate competency in using electronic resources to locate relevant research evidence to answer clinical questions to enhance the practice of physiotherapy.
- Critically appraise relevant research to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment.
- Apply evidence-based health care knowledge and skills to concurrent units of study and commence development of evidence summaries relevant to physiotherapy health care.

### HAWC Seminar

Due: **Weeks 10-11**

Weighting: **30%**

In the designated tutorial, each student will have 8 minutes (6' presentation + 2' discussion) to present his or her HAWC Seminar. In the seminar, students will present an overview of their

HAWC's health condition and summarise the best evidence they can locate.

In preparing for the seminar, students will complete their Critical Appraisal Summary (CAS) for the treatment they have investigated. The completed CAS will be submitted at the time of the seminar, together with the research paper that the CAS is based on and a copy of the slides. Marks are allocated for both the presentation component of the seminar (15%) and the critical appraisal (CAS, paper and information in slides) (15%).

On successful completion you will be able to:

- Demonstrate competency in formulating relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek physiotherapy care.
- Demonstrate competency in using electronic resources to locate relevant research evidence to answer clinical questions to enhance the practice of physiotherapy.
- Critically appraise relevant research to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment.

## HAWC Report

Due: **Week 15/16**

Weighting: **40%**

In this assessment task students are required to submit your HAWC Report, which will consist of the following 3 components:

1. Clinical Placement Logbook (4 marks)
2. HAWC Clinical Observation Report (6 marks)
3. Evidence-Based Reflection of HAWC (30 marks)

On successful completion you will be able to:

- Demonstrate competency in formulating relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek physiotherapy care.
- Demonstrate competency in using electronic resources to locate relevant research evidence to answer clinical questions to enhance the practice of physiotherapy.
- Critically appraise relevant research to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment.
- Describe and demonstrate practical strategies to successfully implement current evidence into clinical practice.
- Demonstrate effective communication and professional behaviour in accordance with ethical, legal and professional standards of care while observing, recording and

monitoring volunteers from the Health and Wellbeing Collaboration (HAWCs).

## Delivery and Resources

### Teaching and Learning Strategy

This unit integrates the development of Evidence-based Health Care skills in lectures and tutorials with Clinical experience with the HAWCs program. Lectures will provide foundation knowledge and also use large group discussions to consolidate understanding. Tutorials will give students the opportunity to develop practical skills in the key areas of EHC, such as formulating clinical questions, searching electronic databases and critical appraisal of evidence. By integration of these skills with real-life clinical examples from the students' HAWCs, students will develop the ability to implement EHC in clinical practice.

### Unit Organisation

This four credit point unit runs over a 13 week session. There is an average of one hour of lecture content each week and a one hour tutorial, although some weeks there are two hours of tutorials and none in other weeks. Further information is available in iLearn.

### HAWC Activities

The HAWC program commences in Week 3 of Semester B and runs until end Week 16. Details of the HAWC program will be explained to you in Week 1 of Semester. Further information is available on iLearn in the "HAWC" section. During the semester, you must spend a **minimum of 70 hours** completing HAWC activities and you will log this information on your Activities Log (available on iLearn).

### Attendance

All lectures and tutorials are scheduled in your individual timetable. You may make a request to your tutor to attend a different tutorial on a one-off basis for extenuating circumstances. In most cases lectures are recorded; however, attendance is expected at both lectures and tutorials, as this is where the majority of learning occurs. Failure to attend may impact your final results. It is the responsibility of the student to contact their tutor by email to inform tutors 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/>.

### Unit materials and readings

The recommended textbook for this unit is Herbert et al "Practical Evidence-Based Physiotherapy", 2nd edition. Copies of this book are available in the MQ library and in the co-op bookshop. Weekly readings will come from journal articles and a range of text book chapters. Most weekly readings will be available on e-reserve or as full text articles through the library.

Where this is not possible a hard copy will be placed in the library reserve. Weekly readings will be listed on iLearn.

## Technology and Equipment

### On-campus

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

**Consultation with staff:** All staff will be available for individual consultation. See iLearn for contact details.

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

- lecture notes
- tutorial worksheets
- preparation and consolidation material
- other EHC 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](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](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](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/](https://students.mq.edu.au/support/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](http://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](http://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](http://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 - 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 outcome**

- Demonstrate effective communication and professional behaviour in accordance with ethical, legal and professional standards of care while observing, recording and monitoring volunteers from the Health and Wellbeing Collaboration (HAWCs).

### **Assessment tasks**

- HAWC Seminar
- HAWC Report

## **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**

- Demonstrate competency in formulating relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek physiotherapy care.
- Demonstrate competency in using electronic resources to locate relevant research evidence to answer clinical questions to enhance the practice of physiotherapy.
- Critically appraise relevant research to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment.
- Describe and demonstrate practical strategies to successfully implement current evidence into clinical practice.
- Apply evidence-based health care knowledge and skills to concurrent units of study and commence development of evidence summaries relevant to physiotherapy health care.
- Demonstrate effective communication and professional behaviour in accordance with ethical, legal and professional standards of care while observing, recording and monitoring volunteers from the Health and Wellbeing Collaboration (HAWCs).

### **Assessment tasks**

- Health Condition Worksheet
- HAWC Seminar
- HAWC Report

## 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

- Demonstrate competency in formulating relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek physiotherapy care.
- Demonstrate competency in using electronic resources to locate relevant research evidence to answer clinical questions to enhance the practice of physiotherapy.
- Critically appraise relevant research to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment.
- Describe and demonstrate practical strategies to successfully implement current evidence into clinical practice.
- Apply evidence-based health care knowledge and skills to concurrent units of study and commence development of evidence summaries relevant to physiotherapy health care.

### Assessment tasks

- Health Condition Worksheet
- HAWC Seminar
- HAWC Report

## 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

- Demonstrate competency in using electronic resources to locate relevant research evidence to answer clinical questions to enhance the practice of physiotherapy.
- Critically appraise relevant research to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment.
- Describe and demonstrate practical strategies to successfully implement current

evidence into clinical practice.

- Apply evidence-based health care knowledge and skills to concurrent units of study and commence development of evidence summaries relevant to physiotherapy health care.

## Assessment tasks

- Health Condition Worksheet
- HAWC Seminar
- HAWC Report

## 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

- Demonstrate competency in formulating relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek physiotherapy care.
- Describe and demonstrate practical strategies to successfully implement current evidence into clinical practice.
- Apply evidence-based health care knowledge and skills to concurrent units of study and commence development of evidence summaries relevant to physiotherapy health care.
- Demonstrate effective communication and professional behaviour in accordance with ethical, legal and professional standards of care while observing, recording and monitoring volunteers from the Health and Wellbeing Collaboration (HAWCs).

## Assessment tasks

- Health Condition Worksheet
- HAWC Seminar
- HAWC Report

## 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 and demonstrate practical strategies to successfully implement current evidence into clinical practice.
- Apply evidence-based health care knowledge and skills to concurrent units of study and commence development of evidence summaries relevant to physiotherapy health care.
- Demonstrate effective communication and professional behaviour in accordance with ethical, legal and professional standards of care while observing, recording and monitoring volunteers from the Health and Wellbeing Collaboration (HAWCs).

## Assessment tasks

- Health Condition Worksheet
- HAWC Report