MEDI8102

Evidence-Based Healthcare

Session 1, Weekday attendance, North Ryde 2020

Medicine, Health and Human Sciences Faculty level units

Contents

Disclaimer

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General Information

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Credit points
10

Prerequisites
Admission to MD or ((PHTY800 or PHTY8100) and (PHTY801 or PHTY8101) and (PHTY802 or PHTY8102) and (PHTY803 or MEDI805 or MEDI8105))

Corequisites
((MEDI910 or MEDI8100) and (MEDI911 or MEDI8101)) or ((PHTY805 or PHTY8105) and (PHTY806 or PHTY8106) and (PHTY807 or PHTY8107))

Co-badged status

Unit description

This unit will introduce you to the principles underpinning the practice of evidence-based health care, whereby research evidence is integrated with clinical expertise and clients' / patients' values. Specifically, you will learn how to formulate clinical questions about diagnosis, prognosis and treatment, and locate and critically appraise relevant evidence to answer those questions. This unit will provide you with an evidence-based framework for concurrent and future units, that are embedded in the Doctor of Medicine and Doctor of Physiotherapy curricula to enhance communication, reflection and life-long learning skills. By integration with an interprofessional community-based clinical component, you 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:

ULO1: Critical appraise relevant research using standardised checklists to evaluate the validity and interpretation of studies about diagnosis, prognosis and treatment (Capability 1: Scientist and Scholar)

ULO2: Competently formulate relevant clinical questions about diagnosis, prognosis and treatment of conditions for which people seek healthcare (Capability 2: Clinical Practitioner)

ULO3: Apply knowledge and skills in evidence-based healthcare to develop relevant written reports and critically appraise topic reviews which meet academic writing and referencing standards (Capability 1: Scientist and Scholar)

ULO4: Competently use electronic resources to search health and medical literature to locate relevant research evidence to answer clinical questions to enhance the practice of medicine and/or physiotherapy (Capability 1: Scientist and Scholar)

ULO5: Discuss practical strategies to successfully implement current evidence into clinical practice (Capability 2: Clinical Practitioner)

ULO6: Explain how psychological, social and cultural issues affect the health of individuals and populations and how diversity can be respected within the context of evidence-based healthcare (Capability 3: Engaged Global Citizen)

ULO7: Participate effectively in classes and peer teams, by seeking and reflecting upon feedback on own your performance to generate strategies that optimise individual and team performance (Capability 4: Professional)

ULO8: Communicate and behave effectively and professionally in accordance with ethical, legal and professional standards of care whilst undertaking community clinical placement activities. (Capability 4: Professional)

Assessment Tasks

Coronavirus (COVID-19) Update

Assessment details are no longer provided here as a result of changes due to the Coronavirus (COVID-19) pandemic.

Students should consult iLearn for revised unit information.

Find out more about the Coronavirus (COVID-19) and potential impacts on staff and students

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. A description of the Coarse Grading used in this unit is provided on iLearn.

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 Faculty of Medicine and Health Sciences 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 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. 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 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

Professional Expectations for MD Students: Professionalism is a key capability embedded in the Macquarie MD. Professional Behaviour Notifications (PBN) which can be a breach (PBNB) or a commendation (PBNC) may be awarded. PBNs will be recorded in the student's portfolio. As part of developing professionalism, Macquarie MD students are expected to attend all small

group interactive sessions including clinical, practical, laboratory and team-based learning activities. If attendance is deemed to be of concern, the student will be referred to the Lead (Student Professionalism) for remediation, subsequent monitoring, and recording in the portfolio. Similarly, as part of developing professionalism, Macquarie MD students are expected to submit all work by the due date. **Late submission** without prior approved extension will result in a professional behaviour notification- breach (PBNB) in the portfolio.

Late Submission of Work - Information for DPT Students:

All assignments which are officially received after the due date, and where no extension has been granted by the unit convenor or course director, 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. 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%

Hurdle Assessment

In this unit, the Clinical Placement Logbook (AT3) is a hurdle assessment. This is a requirement for an activity for which a minimum level of performance is a condition of passing the unit in which it occurs. A student who has obtained a SNG over 50, yet fails the hurdle assessment, fails the unit. Please see Macquarie University's Assessment Policy for more information about hurdle assessment tasks.

Delivery and Resources

> **Coronavirus (COVID-19) Update**
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> Any references to on-campus delivery below may no longer be relevant due to COVID-19.
>
> Please check here for updated delivery information: https://ask.mq.edu.au/account/pub/display/unit_status

Teaching and Learning Strategy

This unit integrates the development of Evidence-based and Inter-professional Health Care skills in lectures and tutorials with clinical application in the Community Clinical Placement. Lectures will provide foundation knowledge, using a variety of delivery modes, including face-to-face lectures, online lectures and Connected Curriculum modules. Tutorials will give students the opportunity to develop practical skills in the key topics, 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' experiences on their Community Clinical Placement, students will develop the ability to implement Evidence-Based Health Care in clinical practice.

Inter-professional Learning and Teaching

In this unit, students will have a unique opportunity to work together with inter-professional peers across the Doctor of Physiotherapy and Doctor of Medicine courses on their Community Clinical Placements. Lectures and tutorials will be conducted with students from both courses together in the learning spaces, to facilitate inter-professional team work and understanding. The unit is delivered by an inter-professional team, including health professionals, academics and clinicians with expertise in medicine, physiotherapy, psychology and other clinical backgrounds.

Attendance

Professionalism is a key capability embedded in the Macquarie MD and DPT courses. As part of developing professionalism, students are expected to attend all small group interactive sessions including tutorials. If attendance is deemed to be of concern, this will be referred to the Lead (Student Professionalism) for remediation, subsequent monitoring, and recording.

Unit materials and readings

The textbooks for the unit are:

- Strauss et al. Evidence-Based Medicine: How to Practice and Teach it. 4th or 5th Edition.
- Herbert et al. Evidence-based Physiotherapy. 2nd Edition

Copies of these books 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 iLearn (Unit Readings and Access to Papers) or MQ Library e-reserve.

Technology and Equipment

On-campus: Teaching rooms are equipped with state of art audio-visual and ICT equipment, internet connection, high quality video cameras and LCD screens. **Students are advised to bring their own electronic device (eg laptop) to all tutorials.**

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.m

q.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-centr al). 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.)*

Students seeking more policy resources can visit the Student Policy Gateway (https://students.m q.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 (http s://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/p olicy-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://stu dents.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

MEDI8102 is an inter-professional unit, delivered to students in both MD and DPT courses. The unit has been combined from units in 2019 named MEDI912 (Evidence-Based and Inter-Professional Healthcare 1) and PHTY804 (Evidence-Based Healthcare).

In response to student feedback, and review of the unit by the teaching team, clinical education team, and learning and teaching specialists in the faculty, the following major changes have been made to the unit:

- Assessment tasks have been revised and streamlined to better align with the Community Clinical Placement experiences of students and to reduce student workload.
- An additional 11 hours of lecture content will be delivered in online format, rather than face-to-face

Changes since First Published

Date	Description
12/ 02/ 2020	Professional Expectations (including late submission of Axs) and Professional Breach Notifications for MD students has been added.

Date	Description
09/ 02/ 2020	Staff contact details have been updated (note: email address of one tutor not available as she is currently being appointed to MQ - Dr Tram Bui). A description of the hurdle assessment has been provided A typographic error in teaching resources has been corrected