MEDI8400
Research Project and Presentation
Medicine and Health Sciences MDE, In person-scheduled-infrequent, North Ryde 2022

Medicine, Health and Human Sciences Faculty level units

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General Information

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Credit points
10

Prerequisites
MEDI8303

Corequisites
MEDI8401

Co-badged status
Unit description
This unit is the final of three research units which are integrated with clinical learning in Stage 2 of the Doctor of Medicine (Doctor of Medicine). It concludes an 18-month research experience culminating in the completion and presentation of an individual research project. The unit builds on the research training embedded in Stage 1 of the Macquarie MD, MEDI8300: Research Project A, and MEDI8303: Research Project B. The research projects offered broadly focus on making a scholarly contribution to learning health systems and may include projects related to health systems development and delivery, infrastructure and resource-use in healthcare, patient safety and quality, patient and clinician experience of service delivery, patient- and professional-reported determinants of health and wellbeing, and medical education. In this unit, you will continue to work with peers involved in similar projects and your project supervisors to complete your research project and present it in the form of a written manuscript suitable for submission to a relevant journal and orally as part of a Macquarie MD research conference. The focus of this unit is interpreting and discussing the results, implications for healthcare and recommendations for future research. You will further develop and demonstrate your skills in communicating research effectively.

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:

UL01: Complete a substantial research project within time and funding constraints (Capability 1 Scientist and Scholar).
UL02: Analyse and interpret data appropriately and evaluates results with reference to existing literature (Capability 1 Scientist and Scholar).
UL03: Identify strengths and weaknesses of the conduct and methodology used in the research project, implications for health care and recommendations for future research (Capability 1 Scientist and Scholar).
UL04: Refine introduction, methodology and results sections of manuscript based on feedback from MEDI8300: Research Project A and MEDI8303: Research Project B (Capability 2 Clinical Practitioner).
UL05: Draft discussion section of manuscript which answers the specific research question/s including generating appropriate tables and/or figures (Capability 2 Clinical Practitioner).
UL06: Communicate research findings effectively in a professional and scholarly manner using both written and oral delivery modes (Capability 2 Clinical Practitioner).
**ULO7:** Discuss the implications of the research findings and future research designed to enhance health systems or healthcare broadly (Capability 3 Engaged Global Citizen).

**ULO8:** Demonstrate initiative and practice scientific and professional responsibilities including an adherence to the ethical and regulatory requirements relevant to the research project (Capability 4 Professional).

## General Assessment Information

### Grading

All final grades in the Macquarie MD are reviewed by the MD Course Board and Faculty Assessment Committee and ratified by the Faculty of Medicine, Health and Human Sciences Faculty Board. Therefore, they are not the sole responsibility of the Unit Convenor. To pass this unit students must demonstrate sufficient evidence of achievement of the learning outcomes, attempt all assessment tasks, and meet any ungraded requirements which include professionalism.

Further Grading information can be found in MD Research handbook on iLearn.

### Extensions for Assessment tasks

Applications for assessment task extensions must be submitted via [https://ask.mq.edu.au/](https://ask.mq.edu.au/). For further details please refer to the Special Consideration Policy available at [https://students.mq.edu.au/study/assessment-exams/special-consideration](https://students.mq.edu.au/study/assessment-exams/special-consideration)

### Professional Expectations

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. If attendance is deemed to be of concern, the student will be referred to the Stage 2 Lead 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.

## Assessment Tasks

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<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
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<tbody>
<tr>
<td>Final Research Manuscript</td>
<td>60%</td>
<td>No</td>
<td>23 May 2022</td>
</tr>
<tr>
<td>Oral Presentation &amp; Short Extract</td>
<td>40%</td>
<td>No</td>
<td>tbd June 2022</td>
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[https://unitguides.mq.edu.au/unit_offerings/150667/unit_guide/print](https://unitguides.mq.edu.au/unit_offerings/150667/unit_guide/print)
Final Research Manuscript

Assessment Type 1: Professional writing
Indicative Time on Task 2: 50 hours
Due: 23 May 2022
Weighting: 60%

Submission of a Final research manuscript in format of the specified journal. Assessment criteria will be mapped to relevant capability aspects. Overall and capability aspect performance will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

• Complete a substantial research project within time and funding constraints (Capability 1 Scientist and Scholar).
• Analyse and interpret data appropriately and evaluates results with reference to existing literature (Capability 1 Scientist and Scholar).
• Identify strengths and weaknesses of the conduct and methodology used in the research project, implications for health care and recommendations for future research (Capability 1 Scientist and Scholar).
• Refine introduction, methodology and results sections of manuscript based on feedback from MEDI8300: Research Project A and MEDI8303: Research Project B (Capability 2 Clinical Practitioner).
• Draft discussion section of manuscript which answers the specific research question/s including generating appropriate tables and/or figures (Capability 2 Clinical Practitioner).
• Communicate research findings effectively in a professional and scholarly manner using both written and oral delivery modes (Capability 2 Clinical Practitioner).
• Discuss the implications of the research findings and future research designed to enhance health systems or healthcare broadly (Capability 3 Engaged Global Citizen).
• Demonstrate initiative and practice scientific and professional responsibilities including an adherence to the ethical and regulatory requirements relevant to the research project (Capability 4 Professional).

Oral Presentation & Short Extract

Assessment Type 1: Presentation
Indicative Time on Task 2: 20 hours
Due: tbd June 2022
Weighting: 40%

Oral Presentation of Research Project & Submission of Short Extract as part of a research conference. Assessment criteria will be mapped to relevant capability aspects. Overall and capability aspects performance will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Complete a substantial research project within time and funding constraints (Capability 1 Scientist and Scholar).
- Analyse and interpret data appropriately and evaluates results with reference to existing literature (Capability 1 Scientist and Scholar).
- Identify strengths and weaknesses of the conduct and methodology used in the research project, implications for health care and recommendations for future research (Capability 1 Scientist and Scholar).
- Refine introduction, methodology and results sections of manuscript based on feedback from MEDI8300: Research Project A and MEDI8303: Research Project B (Capability 2 Clinical Practitioner).
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- Discuss the implications of the research findings and future research designed to enhance health systems or healthcare broadly (Capability 3 Engaged Global Citizen).
- Demonstrate initiative and practice scientific and professional responsibilities including an adherence to the ethical and regulatory requirements relevant to the research project (Capability 4 Professional).

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

This unit runs concurrently with a clinical placements. All students and supervisors working on related projects will be connected using the MS Teams software. Students are expected to commit an average of 1 day a week (i.e. approx. 8 hours per week) for 20 weeks to finalise their research project under supervision. This time also includes participation in research team, including with peers and supervisor meetings along with final preparation of assessment tasks. The goal of which is to present their project to the standard of a BMJ Open paper. Oral presentation is also assessed in this unit in a peer forum.

Technology and Equipment

MQ is a BYOD environment where students are encouraged to bring their personally owned devices (laptops, tablets, etc) to class and to use these devices to access information and study. Teaching rooms are equipped with audio-visual and ICT equipment. To study optimally when off campus you will need to have access to a reliable internet connection to retrieve unit information and engage with online resources.

Consultation with staff

Staff will be available for individual consultations. Please email your MD Research Project supervisor or Unit Co-ordinator with questions.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (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
- Assessment Procedure
- Complaints Resolution 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). 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) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of 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

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

The Writing Centre

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the 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

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual
assault

• Social support including information about finances, tenancy and legal issues

Student Enquiries
Got a question? Ask us via AskMQ, or contact Service Connect.

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
Eliminated the Logbook assessment, thus decreasing the assessments from three to two for this unit.

Changes since First Published

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<tr>
<th>Date</th>
<th>Description</th>
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<tr>
<td>10/02/2022</td>
<td>as per MEDI8300</td>
</tr>
<tr>
<td>08/02/2022</td>
<td>Removed Late Submission of work as requested.</td>
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