



MEDI8400

Research Project and Presentation

Medicine and Health Sciences MDE, Infrequent attendance, North Ryde 2021

Medicine, Health and Human Sciences Faculty level units

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Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff

Frances Rapport

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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:

ULO1: Complete a substantial research project within time and funding constraints (Capability 1 Scientist and Scholar).

ULO2: Analyse and interpret data appropriately and evaluates results with reference to existing literature (Capability 1 Scientist and Scholar).

ULO3: 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).

ULO4: 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).

ULO5: Draft discussion section of manuscript which answers the specific research question/s including generating appropriate tables and/or figures (Capability 2 Clinical Practitioner).

ULO6: 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).

ULO9: Work collaboratively with peers and supervisors, giving and receiving feedback, generating improvement strategies and promoting a collaborative research environment (Capability 4 Professional).

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Supervisors Report, Research Logbook and Learning Plan</u>	20%	No	19 April 2021
<u>Final Research Manuscript</u>	50%	No	24 May 2021

Name	Weighting	Hurdle	Due
<u>Oral Presentation & Short Extract</u>	30%	No	24 June 2021

Supervisors Report, Research Logbook and Learning Plan

Assessment Type ¹: Log book

Indicative Time on Task ²: 10 hours

Due: **19 April 2021**

Weighting: **20%**

Submission of research activities logbook as well as reflection and learning plan for future research activities. Supervisors will also be required to evaluate the development of research scholarship, teamwork and professionalism. Assessment criteria will be mapped to specific 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).
- 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).

- Work collaboratively with peers and supervisors, giving and receiving feedback, generating improvement strategies and promoting a collaborative research environment

(Capability 4 Professional).

Final Research Manuscript

Assessment Type ¹: Professional writing

Indicative Time on Task ²: 40 hours

Due: **24 May 2021**

Weighting: **50%**

Submission of a Final research manuscript in format of the specified journal. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities. Overall and capability aspect performance and EPAs 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).

- Work collaboratively with peers and supervisors, giving and receiving feedback, generating improvement strategies and promoting a collaborative research environment (Capability 4 Professional).

Oral Presentation & Short Extract

Assessment Type ¹: Presentation

Indicative Time on Task ²: 20 hours

Due: **24 June 2021**

Weighting: **30%**

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).
- 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).

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.

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.