



# MEDI8400

## Research Project and Presentation

MD4A, In person-scheduled-infrequent, North Ryde 2024

*Macquarie Medical School*

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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

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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).

## General Assessment Information

Technology and equipment MQ is a BYOD environment where students are encouraged to bring their personally owned devices (laptops, tables, 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.

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/>. For further details please refer to the Special Consideration Policy available at <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

Name	Weighting	Hurdle	Due
<a href="#"><u>Final Research Manuscript</u></a>	60%	No	Week 12 of MD4A
<a href="#"><u>Oral Presentation &amp; Short Extract</u></a>	40%	No	Week 16 of MD4A

### Final Research Manuscript

Assessment Type <sup>1</sup>: Professional writing

Indicative Time on Task <sup>2</sup>: 50 hours

Due: **Week 12 of MD4A**

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 <sup>1</sup>: Presentation

Indicative Time on Task <sup>2</sup>: 20 hours

Due: **Week 16 of MD4A**

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).
- 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).

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<sup>1</sup> 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.

<sup>2</sup> 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

See the many resources provided on the Research iLearn site.

## 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](#)
- [Assessment Procedure](#)
- [Complaints Resolution Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/support/study/policies\)](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](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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 Advocacy](#) provides independent advice on MQ policies, procedures, and processes

## 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/](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.

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Unit information based on version 2024.03 of the [Handbook](#)