



# MEDI8300

## Research Project A

Medicine and Health Sciences MDC, In person-scheduled-weekday, North Ryde 2023

*Macquarie Medical School*

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### Disclaimer

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## General Information

Unit convenor and teaching staff

Unit Convenor

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MQ Health

Unit Coordinator

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Veronica Preda

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Credit points

10

Prerequisites

(MEDI924 or MEDI8204)

Corequisites

MEDI8301

Co-badged status

Unit description

This unit is the first of three research units which are integrated with clinical learning in Stage 2 of the Doctor of Medicine (Macquarie MD). It contributes to an 18-month research experience culminating in the completion and presentation of an individual research project in MEDI8400: Research Project and Presentation. The unit builds on the research training embedded in Stage 1 of the Macquarie MD. 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 work with peers involved in similar projects and your project supervisors to undertake relevant research training; conduct a literature review and finalise your research questions; develop a comprehensive research plan; commence implementation of the plan and develop skills in communicating research.

## 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:** Conduct a comprehensive literature review relevant to the research topic (Capability 1: Scientist and Scholar).

**ULO2:** Formulate answerable specific research question/s which are designed to enhance healthcare (Capability 1: Scientist and Scholar).

**ULO3:** Develop and align research methodology to ensure the specific research question/s can be answered (Capability 1: Scientist and Scholar).

**ULO4:** Develop and implement a comprehensive research plan (Capability 1: Scientist and Scholar).

**ULO5:** Communicate a research plan effectively and concisely using multimedia (Capability 2: Clinical Practitioner).

**ULO6:** Discuss the significance of the research project and how it will contribute to the enhancement of health systems or healthcare broadly (Capability 3: Engaged Global Citizen).

**ULO7:** 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).

**ULO8:** Work collaboratively with peers and supervisors, giving and receiving feedback, generating improvement strategies and promoting a collaborative research environment (Capability 4: Professional).

## General Assessment Information

There are two assessments for MEDI8300.

AT1 - Outline Research Plan with Timelines. This is a HURDLE assessment and worth 40%. Due date is 27 March 2023.

AT2 - Draft of Introduction and Background. This assessment is worth 60% and is due on 8 May 2023.

Please see the iLearn tab heading MD Research Macquarie MD Research - Intake 2021 and refer to the Handbook on page 27 (AT1) and page 32 (AT2) for a detailed description of the assessments.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#"><u>Research plan</u></a>	40%	Yes	27/03/2023
<a href="#"><u>Draft of Component of Research Manuscript</u></a>	60%	No	08/05/2023

### Research plan

Assessment Type <sup>1</sup>: Plan

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

Due: **27/03/2023**

Weighting: **40%**

**This is a hurdle assessment task (see [assessment policy](#) for more information on hurdle assessment tasks)**

Outline Research plan with timelines including strategies to work collaboratively as a member of the research team. 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:

- Conduct a comprehensive literature review relevant to the research topic (Capability 1: Scientist and Scholar).
- Formulate answerable specific research question/s which are designed to enhance healthcare (Capability 1: Scientist and Scholar).
- Develop and align research methodology to ensure the specific research question/s can be answered (Capability 1: Scientist and Scholar).
- Develop and implement a comprehensive research plan (Capability 1: Scientist and Scholar).
- Communicate a research plan effectively and concisely using multimedia (Capability 2: Clinical Practitioner).
- Discuss the significance of the research project and how it will contribute to the enhancement of 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).

## Draft of Component of Research Manuscript

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

Indicative Time on Task <sup>2</sup>: 30 hours

Due: **08/05/2023**

Weighting: **60%**

Draft of Introduction and background section of 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:

- Conduct a comprehensive literature review relevant to the research topic (Capability 1: Scientist and Scholar).
- Formulate answerable specific research question/s which are designed to enhance healthcare (Capability 1: Scientist and Scholar).
- Develop and align research methodology to ensure the specific research question/s can be answered (Capability 1: Scientist and Scholar).
- Develop and implement a comprehensive research plan (Capability 1: Scientist and Scholar).
- Communicate a research plan effectively and concisely using multimedia (Capability 2: Clinical Practitioner).
- Discuss the significance of the research project and how it will contribute to the enhancement of 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

This unit runs concurrently with a 20 week core clinical placement unit. 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 for 20 weeks to develop, plan and conduct their research project under supervision. This time also includes participation in research team and supervisor meetings (approx. 20 hours) and preparation of assessment tasks. Students are expected to have regular peer meetings and complete research modules as required by their supervisor.

The units iLearn site provides extensive resources such as exemplars, statistical resources, guidelines, templates and reading resources.

### Technology and Equipment

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

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 \(https://policies.mq.edu.au\)](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](https://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.