



MEDI8303

Research Project B

Medicine and Health Sciences MDD, In person-scheduled-weekday, North Ryde 2022

Macquarie Medical School

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General Information

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Credit points

10

Prerequisites

MEDI8300

Corequisites

MEDI8302

Co-badged status

Unit description

This unit is the second 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 units build on the research training embedded in Stage 1 of the Macquarie MD and MEDI8300: Research Project A. 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 their project supervisors to further implement your research plan with a focus on data collection and analyses, and drafting and refining sections of the manuscript required in MEDI8400: Research Project and Presentation. You will further develop 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: Implements a comprehensive research plan effectively and demonstrates problem solving skills and flexibility to address any unplanned issues or challenges (Capability 1: Scientist and Scholar).

ULO2: Implements appropriate data collection and analysis to answer the specific research question/s (Capability 1: Scientist and Scholar).

ULO3: Refines introduction and methodology sections of manuscript based on feedback from MEDI8300: Research Project A (Capability 2: Clinical Practitioner).

ULO4: Drafts results section of manuscript which answers the specific research question/s including generating appropriate tables and/or figures (Capability 2: Clinical Practitioner).

ULO5: Communicates research results effectively and concisely using multimedia (Capability 2: Clinical Practitioner).

ULO6: Discusses 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: Demonstrates initiative and practices scientific and professional responsibilities, including an adherence to the ethical and regulatory requirements relevant to the research project (Capability 4: Professional).

ULO8: Works 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>Oral Presentation</u>	25%	No	19/09/2022
<u>Research Manuscript Components</u>	50%	No	14/11/2022
<u>Logbook, Learning Plan and Supervisor's Report</u>	25%	Yes	28/11/2022

Oral Presentation

Assessment Type ¹: Presentation

Indicative Time on Task ²: 10 hours

Due: **19/09/2022**

Weighting: **25%**

Oral presentation of Research plan including planned methods to supervisors. 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:

- Implements a comprehensive research plan effectively and demonstrates problem solving skills and flexibility to address any unplanned issues or challenges (Capability 1: Scientist and Scholar).
- Implements appropriate data collection and analysis to answer the specific research question/s (Capability 1: Scientist and Scholar).
- Refines introduction and methodology sections of manuscript based on feedback from MEDI8300: Research Project A (Capability 2: Clinical Practitioner).
- Drafts results section of manuscript which answers the specific research question/s including generating appropriate tables and/or figures (Capability 2: Clinical Practitioner).
- Communicates research results effectively and concisely using multimedia (Capability 2: Clinical Practitioner).
- Discusses 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).
- Demonstrates initiative and practices scientific and professional responsibilities, including an adherence to the ethical and regulatory requirements relevant to the research project (Capability 4: Professional).

Research Manuscript Components

Assessment Type ¹: Professional writing

Indicative Time on Task ²: 30 hours

Due: **14/11/2022**

Weighting: **50%**

Draft Analysis, refined Introduction and methods 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:

- Implements a comprehensive research plan effectively and demonstrates problem solving skills and flexibility to address any unplanned issues or challenges (Capability 1: Scientist and Scholar).
- Implements appropriate data collection and analysis to answer the specific research question/s (Capability 1: Scientist and Scholar).
- Refines introduction and methodology sections of manuscript based on feedback from MEDI8300: Research Project A (Capability 2: Clinical Practitioner).
- Drafts results section of manuscript which answers the specific research question/s including generating appropriate tables and/or figures (Capability 2: Clinical Practitioner).
- Communicates research results effectively and concisely using multimedia (Capability 2: Clinical Practitioner).
- Discusses 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).
- Demonstrates initiative and practices scientific and professional responsibilities, including an adherence to the ethical and regulatory requirements relevant to the research project (Capability 4: Professional).
- Works collaboratively with peers and supervisors, giving and receiving feedback, generating improvement strategies and promoting a collaborative research environment ((Capability 4: Professional).

Logbook, Learning Plan and Supervisor's Report

Assessment Type ¹: Performance

Indicative Time on Task ²: 10 hours

Due: **28/11/2022**

Weighting: **25%**

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

Submission of research activities logbook as well as reflection and learning plan for the next session. 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:

- Implements a comprehensive research plan effectively and demonstrates problem solving skills and flexibility to address any unplanned issues or challenges (Capability 1: Scientist and Scholar).
- Implements appropriate data collection and analysis to answer the specific research question/s (Capability 1: Scientist and Scholar).
- Refines introduction and methodology sections of manuscript based on feedback from MEDI8300: Research Project A (Capability 2: Clinical Practitioner).
- Drafts results section of manuscript which answers the specific research question/s including generating appropriate tables and/or figures (Capability 2: Clinical Practitioner).
- Communicates research results effectively and concisely using multimedia (Capability 2: Clinical Practitioner).
- Discusses 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).
- Demonstrates initiative and practices scientific and professional responsibilities, including an adherence to the ethical and regulatory requirements relevant to the research project (Capability 4: Professional).
- Works collaboratively with peers and supervisors, giving and receiving feedback, generating improvement strategies and promoting a collaborative research environment ((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 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 (i.e. approx. 8 hours per 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 and preparation of assessment tasks. Students are expected to have regular peer meetings and complete online research

modules as required.

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 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.