



MEDI8300

Research Project A

Medicine and Health Sciences MDC, Weekday 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

(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).

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Research plan</u>	35%	No	29 March 2021
<u>Draft of Component of Research Manuscript</u>	35%	No	10 May 2021
<u>Logbook, Learning Plan and Supervisor's Report</u>	30%	No	7 June 2021

Research plan

Assessment Type ¹: Plan

Indicative Time on Task ²: 20 hours

Due: **29 March 2021**

Weighting: **35%**

Outline Research plan with timelines. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities. Overall and capability aspects performance and EPAs 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 ¹: Professional writing

Indicative Time on Task ²: 20 hours

Due: **10 May 2021**

Weighting: **35%**

Draft of Introduction and background section of 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:

- 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).
- 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).

Logbook, Learning Plan and Supervisor's Report

Assessment Type ¹: Performance

Indicative Time on Task ²: 10 hours

Due: **7 June 2021**

Weighting: **30%**

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:

- 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).

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 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.

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.