MEDI8300

Research Project A

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

Macquarie Medical School

Contents

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General Information

Unit convenor and teaching staff
Unit Convenor
Frances Rapport
frances.rapport@mq.edu.au

Unit Co-Convenor
Veronica Preda
veronica.preda@mqhealth.org.au

Caroline Proctor
caroline.proctor@mq.edu.au

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

Grading

All final grades in the Macqurie MD are reviewed by the MD Course Board and Faculty Assessment Committee and ratified by the Faculty of Medicine, Health and HumanSciencesFacultyBoard. Therefore, theyare not the sole responsibility of the Unit Convenor. To pass this units students must demonstrate sufficient evidence of achievement of the learning outcomes, attempt all assessment tasks, and meet any ungraded requirements which include professionalism.

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 professinalism, 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
Research plan	40%	Yes	28 March 2022
Draft of Component of Research Manuscript	60%	No	9 May 2022

Research plan

Assessment Type [1]: Plan
Indicative Time on Task [2]: 20 hours
Due: **28 March 2022**
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 [1]: Professional writing
Indicative Time on Task [2]: 30 hours
Due: **9 May 2022**
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).

[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 inclues 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 exemplairs, statistical resources, guidelines, templates and reading resources.

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 avilable 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://policie

s.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). 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) 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.

Changes from Previous Offering

Eliminated Research Project Logbook assessment.

Changes since First Published

Date	Description
08/02/2022	removed Late Submission of work as requested.