



# AMED890

## Medical Research Project

SM3 Day 2015

*School of Advanced Medicine*

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## General Information

Unit convenor and teaching staff Unit Convenor Mirjana Strkalj <a href="mailto:mirjana.strkalj@mq.edu.au">mirjana.strkalj@mq.edu.au</a>
Credit points 4
Prerequisites Admission to DAdvSurg or DAdvMed or DMedSc or DClinPrac or MAdvSurg or MAdvMed or GradDipSpSurg or GradDipSpMed or GradDipAnatomy or GradCertClinEdSim
Corequisites
Co-badged status
Unit description This is an independent study unit where the student will pursue a course of collaborative enquiry-based learning with a supervisor from the Faculty of Medicine and Health Sciences into medical or medical education research. Assessment is based on publication.

## 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:

- Plan and conduct an original research project, including reviews of relevant literature
- Integrate analysis and synthesis of literature into project design and execution
- Demonstrate research competence in chosen field and methodology
- Demonstrate ability to write in relevant academic styles
- Evaluate the research process to enhance future research strategies

## Assessment Tasks

Name	Weighting	Due
<a href="#">Research plan</a>	10%	TBA with supervisor

Name	Weighting	Due
<u>Presentation</u>	20%	TBA with supervisor
<u>Journal article</u>	60%	TBA with supervisor
<u>Reflective note</u>	10%	TBA with supervisor

## Research plan

Due: **TBA with supervisor**

Weighting: **10%**

Prepare a research plan in a topic relevant to the your clinical practice – either basic science research, translational research, or research into non-technical aspects of care or education.

On successful completion you will be able to:

- Plan and conduct an original research project, including reviews of relevant literature
- Integrate analysis and synthesis of literature into project design and execution
- Demonstrate research competence in chosen field and methodology

## Presentation

Due: **TBA with supervisor**

Weighting: **20%**

Present on the findings of the research project at a department meeting or scheduled faculty research presentations.

On successful completion you will be able to:

- Plan and conduct an original research project, including reviews of relevant literature
- Integrate analysis and synthesis of literature into project design and execution
- Demonstrate research competence in chosen field and methodology

## Journal article

Due: **TBA with supervisor**

Weighting: **60%**

Write an article for publication in a relevant peer-reviewed journal.

On successful completion you will be able to:

- Plan and conduct an original research project, including reviews of relevant literature
- Integrate analysis and synthesis of literature into project design and execution
- Demonstrate research competence in chosen field and methodology

- Demonstrate ability to write in relevant academic styles

## Reflective note

Due: **TBA with supervisor**

Weighting: **10%**

Write a reflective note on the research process and how the you might improve on research strategies in the future.

On successful completion you will be able to:

- Evaluate the research process to enhance future research strategies

## Delivery and Resources

This unit will commence at the beginning of the Graduate Diploma of Anatomy and will be carried out over two Sessions. Please liaise with your clinical supervisor about your one-to-one research supervision. Technological requirements for your research will be identified by your supervisor. You may also connect with the faculty librarians to assist you in your project.

## Unit Schedule

As this is a research project, you will liaise with you clinical supervisor to work out a research schedule and assessment timetabling. The below Unit Schedule is to be used as a guide only.

Week	Activity
1	You will be offered several research topics to choose from.
2	Contact your convenor and supervisor about the research project you have chosen. Start working on the research plan.
6	Prepare and submit the research plan and progress report to your supervisor.
13	Submit a written progress report to your supervisor.
23	Presentation of your research on the day of the session in the anatomy lab.
End of Second Session	Written research paper to be submitted.

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy [http://mq.edu.au/policy/docs/academic\\_honesty/policy.html](http://mq.edu.au/policy/docs/academic_honesty/policy.html)

Assessment Policy <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Grievance Management Policy [http://mq.edu.au/policy/docs/grievance\\_management/policy.html](http://mq.edu.au/policy/docs/grievance_management/policy.html)

Disruption to Studies Policy [http://www.mq.edu.au/policy/docs/disruption\\_studies/policy.html](http://www.mq.edu.au/policy/docs/disruption_studies/policy.html) *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of Policy Central.

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: [https://students.mq.edu.au/support/student\\_conduct/](https://students.mq.edu.au/support/student_conduct/)

## Results

Results shown in *iLearn*, 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>.

## 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](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

## 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>

## IT Help

For help with University computer systems and technology, visit <http://informatics.mq.edu.au/help/>.

When using the University's IT, you must adhere to the [Acceptable Use Policy](#). The policy applies to all who connect to the MQ network including students.

## Graduate Capabilities

### PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

#### Learning outcomes

- Integrate analysis and synthesis of literature into project design and execution
- Evaluate the research process to enhance future research strategies

#### Assessment tasks

- Research plan
- Presentation
- Journal article
- Reflective note

### PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

#### Learning outcomes

- Plan and conduct an original research project, including reviews of relevant literature
- Integrate analysis and synthesis of literature into project design and execution
- Demonstrate research competence in chosen field and methodology
- Demonstrate ability to write in relevant academic styles

#### Assessment tasks

- Research plan
- Presentation
- Journal article

### PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is

the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

### **Learning outcomes**

- Plan and conduct an original research project, including reviews of relevant literature
- Integrate analysis and synthesis of literature into project design and execution
- Demonstrate research competence in chosen field and methodology

### **Assessment tasks**

- Research plan
- Presentation
- Journal article

## **PG - Research and Problem Solving Capability**

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

### **Learning outcomes**

- Plan and conduct an original research project, including reviews of relevant literature
- Integrate analysis and synthesis of literature into project design and execution
- Demonstrate research competence in chosen field and methodology
- Evaluate the research process to enhance future research strategies

### **Assessment tasks**

- Research plan
- Presentation
- Journal article
- Reflective note

## **PG - Effective Communication**

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

## **Learning outcome**

- Demonstrate ability to write in relevant academic styles

## **Assessment task**

- Journal article