



# FOSE7702

## STEM Research topics 2

Session 3, In person-placement, North Ryde 2024

*Science and Engineering Faculty level units*

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#### **Disclaimer**

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

## General Information

Unit convenor and teaching staff

Matthew Kosnik

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Credit points

10

Prerequisites

Admission to BPhil/MRes

Corequisites

Co-badged status

Unit description

This unit comprises study of advanced disciplinary knowledge in STEM, and is designed to supplement a student's existing knowledge and coursework with targeted material and techniques that will be required to achieve their research goals. Activities may include attending a national or international specialist training opportunities, cross-institutional study or highly tailored units of study that are exemplars of current analytical/theoretical concepts or problem-solving applications. Topics and activities will be selected with the aid of the discipline advisor and an academic mentor.

## 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:** Demonstrate advanced disciplinary knowledge and skills

**ULO2:** Employ self-directed learning to achieve educational goals

**ULO3:** Clearly communicate in written, oral or other forms as relevant to the activity undertaken

## General Assessment Information

### Requirements to Pass this Unit

To pass this unit you must achieve a total mark equal to or greater than 50%.

## Academic Honesty

Presenting the work of another person as one's own is a serious breach of the University's rules and carries significant penalties. In this unit, we will be checking written work for plagiarism using TURNITIN. Penalties for plagiarism may include a zero mark for the assignment or in more extreme cases, failure of the unit. Plagiarism WILL be noted on your academic record. (link: [Academic Integrity Policy](#))

## Due dates and assessment topics

In the first week of the session you will have the opportunity to set the due dates as part of your learning plan through agreement with the convenor. Once due dates are agreed they are final.

## Late Assessment Submission Penalty

Unless a [Special Consideration](#) request has been submitted and approved, a 5% penalty (of the total possible mark of the task) will be applied for each day a written report or presentation assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. **The submission time for all uploaded assessments is 11:55 pm.** A 1-hour grace period will be provided to students who experience a technical concern. For any late submission of time-sensitive tasks, such as scheduled tests/exams, performance assessments/presentations, and/or scheduled practical assessments/labs, please apply for [Special Consideration](#).

## Assessments where Late Submissions will be accepted

In this unit, late submissions will be accepted as follows:

- As agreed in your learning plan.

## Special Consideration

The Special Consideration Policy aims to support students who have been impacted by short-term circumstances or events that are serious, unavoidable and significantly disruptive, and which may affect their performance in assessment. If you experience circumstances or events that affect your ability to complete the assessments in this unit on time, please contact the convenor prior to submitting a Special Consideration request through [ask.mq.edu.au](mailto:ask.mq.edu.au).

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Learning plan</a>	5%	Yes	2024-12-13
<a href="#">Assessment tasks (3+)</a>	95%	No	2025-01-20

## Learning plan

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

Indicative Time on Task <sup>2</sup>: 7 hours

Due: **2024-12-13**

Weighting: **5%**

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

You will work with your mentor and/or unit convenor to develop a learning plan for the unit that includes all assessment tasks and the total time to be spent on these tasks (not to exceed 141 hrs).

On successful completion you will be able to:

- Employ self-directed learning to achieve educational goals
- Clearly communicate in written, oral or other forms as relevant to the activity undertaken

## Assessment tasks (3+)

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

Indicative Time on Task <sup>2</sup>: 141 hours

Due: **2025-01-20**

Weighting: **95%**

You will have a minimum of 3 assessment tasks, with a maximum of 60% weighting for any one task. Tasks can vary and may include a scientific report, report, essay or exam, as appropriate for a 10cp unit. Assessment tasks and weightings will follow the learning plan agreed upon with the mentor for a project-based unit, or will be as listed in the unit guides when components of other units are being undertaken with the approval of the unit convenor.

On successful completion you will be able to:

- Demonstrate advanced disciplinary knowledge and skills
- Employ self-directed learning to achieve educational goals
- Clearly communicate in written, oral or other forms as relevant to the activity undertaken

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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 is designed to provide flexibility in learning options for research students. The goal of these units is to provide a way for students to acquire capabilities that will be useful their research project or cross-disciplinary experience. The goal is not to provide them with extra time to start their projects

## Unit Schedule

This unit is not timetabled.

Students should contact the convenor and a mentor well in advance of the session start date. Students and mentors may meet with the convener to help design the unit plan.

## 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 [connect.mq.edu.au](http://connect.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 the [Service Connect Portal](#), 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.

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Unit information based on version 2024.01 of the [Handbook](#)