



# COGS3250

## Advanced Research Experience and Training

Session 2, Weekday attendance, North Ryde 2021

*Archive (Pre-2022) - Department of Cognitive Science*

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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.

#### Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

## General Information

Unit convenor and teaching staff

Anina Rich

[anina.rich@mq.edu.au](mailto:anina.rich@mq.edu.au)

Credit points

10

Prerequisites

130cp and admission to BCogBrainSc and permission by special approval

Corequisites

Co-badged status

Unit description

This unit will provide students with the opportunity to participate in an independent research project under a supervisor from the Department of Cognitive Science. Students will have the opportunity to participate in multiple stages of research which may include developing research plans, writing proposals, conducting experiments, analysing data, and reporting results. Especially ambitious and productive students may earn the opportunity to present their findings at a scientific conference, and in rare cases, may even earn authorship on a peer reviewed paper. Admission to the unit is subject to supervisor availability and approval.

## 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:** Formulate an original research question and develop an appropriate experimental design.

**ULO2:** Develop and competently use practical laboratory skills and appropriate research methods to investigate a research question.

**ULO3:** Critically evaluate and synthesise the primary scientific literature relevant to their research topic.

**ULO4:** Communicate research in written form.

**ULO5:** Interact with research group members and develop peer networking skills.

## General Assessment Information

This is a non-graded unit, as the learning outcomes are best achieved through a satisfactory/unsatisfactory assessment.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Research group participation</a>	15%	No	ongoing
<a href="#">Research log book</a>	20%	No	Week 13
<a href="#">Research presentation</a>	20%	No	Week 13
<a href="#">Research report</a>	45%	No	Week 13

### Research group participation

Assessment Type <sup>1</sup>: Participatory task

Indicative Time on Task <sup>2</sup>: 10 hours

Due: **ongoing**

Weighting: **15%**

Attendance at, and active engagement with, the relevant research group meetings and seminars. You will also have to participate in at least 3 student group meetings and/or seminars throughout the session.

On successful completion you will be able to:

- Interact with research group members and develop peer networking skills.

### Research log book

Assessment Type <sup>1</sup>: Log book

Indicative Time on Task <sup>2</sup>: 10 hours

Due: **Week 13**

Weighting: **20%**

Create and maintain a research log book documenting supervisory meetings, research group meetings, as well as the development and conduct of your research. You will have to include an annotated bibliography of relevant readings.

On successful completion you will be able to:

- Develop and competently use practical laboratory skills and appropriate research methods to investigate a research question.
- Critically evaluate and synthesise the primary scientific literature relevant to their research topic.
- Communicate research in written form.

## Research presentation

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

Indicative Time on Task <sup>2</sup>: 14 hours

Due: **Week 13**

Weighting: **20%**

Presentation of your research, including your plan and results.

On successful completion you will be able to:

- Formulate an original research question and develop an appropriate experimental design.
- Develop and competently use practical laboratory skills and appropriate research methods to investigate a research question.
- Critically evaluate and synthesise the primary scientific literature relevant to their research topic.
- Interact with research group members and develop peer networking skills.

## Research report

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

Indicative Time on Task <sup>2</sup>: 28 hours

Due: **Week 13**

Weighting: **45%**

Research report similar to a short journal article to document your research. This report will include a description of the relevant literature, as well as the the methods and results of your research.

On successful completion you will be able to:

- Formulate an original research question and develop an appropriate experimental design.
- Develop and competently use practical laboratory skills and appropriate research methods to investigate a research question.
- Critically evaluate and synthesise the primary scientific literature relevant to their research topic.
- Communicate research in written form.

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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 can only be enrolled in with Special Approval. There is an Expression of Interest (Eoi) application form for students to complete prior to the start of semester. Please go to the Cognitive and Brain Sciences Community iLearn page and read the information under COGS3250 to find out about the criteria, the Eoi, potential supervisors and contacts for questions/more information.**

This unit will provide students with the opportunity to participate in an independent research project under a supervisor from the Department of Cognitive Science. Students will have the opportunity to participate in multiple stages of research which may include developing research plans, writing proposals, conducting experiments, analysing data, and reporting results. Especially ambitious and productive students may earn the opportunity to present their findings at a scientific conference, and in rare cases, may even earn authorship on a peer reviewed paper. Admission to the unit is subject to supervisor availability and approval.

Each student will work with an individual supervisor, and the details of participation and relevant meetings will be arranged individually. In addition, the students will participate in three group meetings with the convenor & other supervisors.

There will be an iLearn site for shared resources and discussions. The group meetings will be scheduled to be at a time convenient to the students - the dates for this will be organised through iLearn in Week 1.

The convenor is available for additional support if needed - please email for an appointment.

## 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](https://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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](https://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](http://ask.mq.edu.au)

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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/](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.