COGS3250
Advanced Research Experience and Training
Session 2, Weekday attendance, North Ryde 2021

Department of Cognitive Science

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Notice
Some on-campus classes have moved online for the first two weeks of Session, before returning to campus in Week 3. If you are studying a unit outside of the primary Session 2 timetable, please contact your teaching staff team for further details.

Some classes/teaching activities cannot be moved online and must be taught on campus. To find out if you are enrolled in one of these classes/teaching activities, you can check to see if your unit is on the list of units with mandatory on-campus classes/teaching activities.

Your Unit Convenor will provide more information via an iLearn announcement when your iLearn unit becomes available.
General Information

Unit convenor and teaching staff
Anina Rich
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://students.mq.edu.au/important-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

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research group participation</td>
<td>15%</td>
<td>No</td>
<td>ongoing</td>
</tr>
<tr>
<td>Research log book</td>
<td>20%</td>
<td>No</td>
<td>Week 13</td>
</tr>
<tr>
<td>Research presentation</td>
<td>20%</td>
<td>No</td>
<td>Week 13</td>
</tr>
<tr>
<td>Research report</td>
<td>45%</td>
<td>No</td>
<td>Week 13</td>
</tr>
</tbody>
</table>

Research group participation

Assessment Type 1: Participatory task
Indicative Time on Task 2: 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 1: Log book
Indicative Time on Task 2: 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: Presentation
Indicative Time on Task: 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: Report
Indicative Time on Task: 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 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.

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 Learning Skills Unit 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 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://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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 (Note: The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)

Students seeking more policy resources can visit the Student Policy Gateway (https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/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/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 Enquiry Service
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

Equity 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.

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.