



COMP3900

Computing Research III

Session 2, Special circumstance 2020

Department of Computing

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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.

Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group learning activities on campus for the second half-year, while keeping an online version available for those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face and online activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

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|---|
| Unit convenor and teaching staff Matthew Roberts matthew.roberts@mq.edu.au |
| Credit points 10 |
| Prerequisites 130cp at 1000 level or above including COMP2900 and admission to BAdvIT |
| Corequisites |
| Co-badged status |
| Unit description This unit on advanced topics in computing is geared towards students enrolled in Bachelor of Advanced IT. Students participate in a semester-long research project under the guidance of a mentor from the Department of Computing. |

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 broad knowledge of a range of topics in advanced computing research
- ULO2:** Demonstrate knowledge of a range of research skills in advanced topics in computing research.
- ULO3:** Discuss advanced concepts with computing science researchers.
- ULO4:** Critically read and synthesise information from scholarly articles in the computing discipline.
- ULO5:** Communicate research results and methods in various ways and to diverse audiences (both in written and oral form).
- ULO6:** Explain how technology/computing research can contribute to the wider discipline and address problems in society.

Assessment Tasks

| Name | Weighting | Hurdle | Due |
|------------------------------|-----------|--------|------------|
| <u>Research report</u> | 50% | No | Week 13 |
| <u>Research presentation</u> | 20% | No | Week 12 |
| <u>Participation</u> | 30% | No | Weeks 1-12 |

Research report

Assessment Type ¹: Report

Indicative Time on Task ²: 40 hours

Due: **Week 13**

Weighting: **50%**

Written report describing research project carried out under the guidance of the research supervisor/mentor.

On successful completion you will be able to:

- Demonstrate broad knowledge of a range of topics in advanced computing research
- Demonstrate knowledge of a range of research skills in advanced topics in computing research.
- Critically read and synthesise information from scholarly articles in the computing discipline.

Research presentation

Assessment Type ¹: Presentation

Indicative Time on Task ²: 10 hours

Due: **Week 12**

Weighting: **20%**

A short presentation communicating the results in the research activity carried out under the guidance of supervisor/mentor.

On successful completion you will be able to:

- Demonstrate broad knowledge of a range of topics in advanced computing research
- Critically read and synthesise information from scholarly articles in the computing discipline.
- Communicate research results and methods in various ways and to diverse audiences (both in written and oral form).

- Explain how technology/computing research can contribute to the wider discipline and address problems in society.

Participation

Assessment Type ¹: Participatory task

Indicative Time on Task ²: 0 hours

Due: **Weeks 1-12**

Weighting: **30%**

Research meetings with research project supervisor/mentor.

On successful completion you will be able to:

- Demonstrate broad knowledge of a range of topics in advanced computing research
- Demonstrate knowledge of a range of research skills in advanced topics in computing research.
- Discuss advanced concepts with computing science researchers.

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

COMP3900 is a project-driven research unit. The main resource a student will use is their academic mentor but administrative matters are dealt with using iLearn.

Questions and general queries regarding the content of this unit, its lectures or practical classes, or its assessments should be posted to the discussion boards on the COMP3900 iLearn site. In particular, any questions which are of interest to all students in this unit should be posted to one of these discussion boards, so that everyone can benefit from the answers. Questions of a private nature should be directed to the unit teaching staff.

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) (<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) (<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](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<http://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/study/getting-started/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 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

If you are a Global MBA student contact 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/.

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.