UNSW Course Outline

ZEIT4115 Computing and Cyber Security Honours Research 1 - 2024

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General Course Information

Course Code : ZEIT4115
Year : 2024
Term : Semester 1
Teaching Period : Z1
Is a multi-term course? : No
Faculty : UNSW Canberra
Academic Unit : School of Systems and Computing
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : UNSW Canberra at ADFA
Campus : UNSW Canberra
Study Level : Undergraduate
Units of Credit : 12

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

The student will undertake a substantial research project on a computer science or cyber security topic under the supervision of School academic staff.

Course Learning Outcomes

Course Learning Outcomes	Australian Computing Society (ACS)
CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature and industry.	• ACS1 : Institutional Commitment to ICT education • ACS3 : Technological Resources for ICT Education
CLO2 : Show in-depth understanding of one or more specific areas of computer science and/or cyber security.	• ACS1 : Institutional Commitment to ICT education • ACS3 : Technological Resources for ICT Education
CLO3 : Demonstrate the development of intellectually rigorous novel work to the fields of computer science and/or cyber security.	• ACS2 : ICT Academic Leadership and Staffing
CLO4 : Demonstrate the ability to communicate results to a wider audience.	• ACS2 : ICT Academic Leadership and Staffing • ACS4 : Monitoring, Review and Improvement

Course Learning Outcomes	Assessment Item
CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature and industry.	• Seminar 1 • Seminar 2 • Mid-Thesis Progress Report
CLO2 : Show in-depth understanding of one or more specific areas of computer science and/or cyber security.	• Seminar 2 • Mid-Thesis Progress Report
CLO3 : Demonstrate the development of intellectually rigorous novel work to the fields of computer science and/or cyber security.	• Seminar 2 • Mid-Thesis Progress Report
CLO4 : Demonstrate the ability to communicate results to a wider audience.	• Seminar 1 • Seminar 2 • Mid-Thesis Progress Report

Learning and Teaching Technologies

Moodle - Learning Management System

Learning and Teaching in this course

A mixture of methods will be used to provide menorship and guidance to sudents. Supervisors and course staff will provide mentorship. Students will have opportunities for self-development and to grow skills in, and understanding of, the research area. Written reports and oral presentations aim to develop, enhance, and grow students' communication skills. Assessment

meetings are structured to assess, advise, and monitor the student's progress and provide an opportunity to advise students on their project management skills.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Seminar 1 Assessment Format: Individual	15%	Due Date: Week 4: 18 March - 22 March
Seminar 2 Assessment Format: Individual	35%	Due Date: Week 12: 27 May - 31 May
Mid-Thesis Progress Report Assessment Format: Individual	50%	Due Date: 17/06/2024 12:00 AM

Assessment Details

Seminar 1

Assessment Overview

This seminar should present an overview of the intended work in the thesis. While things may change in subsequent weeks, the limited time for an Honours Thesis (26 weeks x 0.5 FTE) suggests that the more refined the scope from the start is, the more likely the student will have sufficient time to complete a solid thesis.

In this assessment, students are expected to have achieved the following standards for different components in their thesis.

- Scope: Concise and Clear
- Ethics Application if applicable: Started
- Motivation: Concise and Clear
- Problem Definition: Concise and Clear
- Project Plan: Concrete for 4115, Rough for 4116
- Literature Review: Systematic review methodology identified, 20-30 minimum viable papers identified, basic understanding developed
- Contribution: Preliminary
- Methodology: Basic Idea
- Results: N/A
- Analysis: N/A
- Conclusion: N/A
- Future Work: N/A

Course Learning Outcomes

- CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature and industry.
- CLO4 : Demonstrate the ability to communicate results to a wider audience.

Seminar 2

Assessment Overview

In this assessment, students are expected to have achieved the following standards for different components in their thesis.

- Scope: Final and Completed
- Ethics Application if applicable: Final and Completed
- Motivation: Final and Completed
- Problem Definition: Final and Completed
- Project Plan: Complete for 4115, Concrete for 4116
- Literature Review: Completed
- Contribution: Preliminary
- Methodology: Developed
- Results: Concrete Hypothesis, Experimental and/or data collection plan completed
- Analysis: Preliminary
- Conclusion: Basic Idea
- Future Work: Basic Idea

Course Learning Outcomes

- CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature and industry.
- CLO2 : Show in-depth understanding of one or more specific areas of computer science and/or cyber security.
- CLO3 : Demonstrate the development of intellectually rigorous novel work to the fields of computer science and/or cyber security.
- CLO4 : Demonstrate the ability to communicate results to a wider audience.

Mid-Thesis Progress Report

Assessment Overview

In this assessment, students are expected to have achieved the following standards for different components in their thesis.

- Scope: Documented in details
- Ethics Application if applicable: Documented in details
- Motivation: Documented in details
- Problem Definition: Documented in details
- Project Plan: Documented in details

- Literature Review: Documented in details
- Contribution: Initial Draft
- Methodology: Detailed Documentation
- Results: Plan Documented
- Analysis: Preliminary
- Conclusion: Basic Idea
- Future Work: Basic Idea

Course Learning Outcomes

- CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature and industry.
- CLO2 : Show in-depth understanding of one or more specific areas of computer science and/or cyber security.
- CLO3 : Demonstrate the development of intellectually rigorous novel work to the fields of computer science and/or cyber security.
- CLO4 : Demonstrate the ability to communicate results to a wider audience.

General Assessment Information

The description of each assessment and corresponding marking ruberic are provided with the course materials.

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 26 February - 1 March	Seminar	
Week 2 : 4 March - 8 March	Seminar	
	Workshop	
Week 4 : 18 March - 22 March	Seminar	
	Workshop	
Week 5 : 25 March - 29 March	Seminar	
Week 7 : 22 April - 26 April	Seminar	
Week 8 : 29 April - 3 May	Seminar	
Week 9 : 6 May - 10 May	Seminar	
Week 10 : 13 May - 17 May	Seminar	
	Workshop	
Week 11 : 20 May - 24 May	Seminar	
Week 12 : 27 May - 31 May	Seminar	
	Workshop	
Week 13 : 3 June - 7 June	Seminar	

Attendance Requirements

Students will join CDF students for their weekly meetings on Monday night. In addition, 4 2-hour meetings during the session will be organised in weeks 2, 4, 10 and 12.

General Schedule Information

Students are expected to attend the classes with the CDF program and attend 4 additional classes scheduled during the session.

Course Resources

Course Evaluation and Development

One of the key priorities in the 2025 Strategy for UNSW is a drive for academic excellence in education. One of the ways of determining how well UNSW is progressing towards this goal is by listening to our own students. Students will be asked to complete the myExperience survey towards the end of this course.

Students can also provide feedback during the semester via: direct contact with the lecturer, the “On-going Student Feedback” link in Moodle, Student-Staff Liaison Committee meetings in schools, informal feedback conducted by staff, and focus groups. Student opinions really do make a difference. Refer to the Moodle site for this course to see how the feedback from previous students has contributed to the course development.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Hussein Abbass		Room 161	02 5114 5109	Please email to arrange a meeting time.	No	Yes

Other Useful Information

Academic Information

Course Evaluation and Development

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Important note: Students are reminded that any feedback provided should be constructive and professional and that they are bound by the Student Code of Conduct.

https://www.gs.unsw.edu.au/policy/documents/studentcodepolicy.pdf

Equitable Learning Services (ELS)

Students living with neurodivergent, physical and/or mental health conditions or caring for someone with these conditions may be eligible for support through the Equitible Learning Services team. Equitable Learning Services is a free and confidential service that provides practical support to ensure your mental or physical health conditions do not adversely affect your studies.

Our team of dedicated **Equitable Learning Facilitators** (ELFs) are here to assist you through this process. We offer a number of services to make your education at UNSW easier and more equitable.

Further information about ELS for currently enrolled students can be found at: https://www.student.unsw.edu.au/equitable-learning

Academic Honesty and Plagarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students have a responsibility to adhere to this principle of academic integrity. All students are expected to adhere to UNSW's Student Code of Conduct. Find relevant information at: Student Code of Conduct (unsw.edu.au)

Plagiarism undermines academic integrity and is not tolerated at UNSW. It is defined as using the words or ideas of others and passing them off as your own, and can take many forms, from

deliberate cheating to accidental copying from a source without acknowledgement.

For more information, please refer to the following:

https://student.unsw.edu.au/plagiarism

Submission of Assessment Tasks

Special Consideration

Special Consideration is the process for assessing and addressing the impact on students of short-term events, that are beyond the control of the student, and that affect performance in a specific assessment task or tasks.

Applications for Special Consideration will be accepted in the following circumstances only:

- Where academic work has been hampered to a substantial degree by illness or other cause;
- The circumstances are unexpected and beyond the student's control;
- The circumstances could not have reasonably been anticipated, avoided or guarded against by the student; and either:

(i) they occurred during a critical study period and was 3 consecutive days or more duration, or a total of 5 days within the critical study period; or

(ii) they prevented the ability to complete, attend or submit an assessment task for a specific date (e.g. final exam, in class test/quiz, in class presentation)

Applications for Special Consideration must be made as soon as practicable after the problem occurs and at the latest within three working days of the assessment or the period covered by the supporting documentation.

By sitting or submitting the assessment task the student is declaring that they are fit to do so and cannot later apply for Special Consideration (UNSW 'fit to sit or submit' requirement).

Sitting, accessing or submitting an assessment task on the scheduled assessment date, after applying for special consideration, renders the special consideration application void.

Find more information about special consideration at: https://www.student.unsw.edu.au/special/consideration/guide

Or apply for special consideration through your MyUNSW portal.

Late Submission of assessment tasks (other than examinations)

UNSW has a standard late submission penalty of:

- 5% per day,
- capped at five days (120 hours) from the assessment deadline, after which a student cannot submit an assessment, and
- no permitted variation.

Students are expected to manage their time to meet deadlines and to request extensions as early as possible before the deadline.

Electronic submission of assessment

Except where the nature of an assessment task precludes its electronic submission, all assessments must be submitted to an electronic repository, approved by UNSW or the Faculty, for archiving and subsequent marking and analysis.

Release of final mark

All marks obtained for assessment items during the session are provisional. The final mark as published by the university following the assessment review group meeting is the only official mark.

School-specific Information

The Leaning Management System

Moodle is the Learning Management System used at UNSW Canberra. All courses have a Moodle site which will become available to students at least one week before the start of semester. Please find all help and documentation (including Blackboard Collaborate) at the Moodle Support page.

UNSW Moodle supports the following web browsers:
• Google Chrome 50+
• Safari 10+
Internet Explorer is not recommended. Addons and Toolbars can affect any browser's performance.

Operating systems recommended are:

• Windows 10,
• Mac OSX Sierra,
• iPad IOS10

Further details:
Moodle System Requirements
Moodle Log In

If you need further assistance with Moodle:

For enrolment and login issues please contact:
IT Service Centre
Email: itservicecentre@unsw.edu.au
Phone: (02) 9385-1333
International: +61 2 9385 1333

For all other Moodle issues please contact:
External TELT Support
Email: externalteltsupport@unsw.edu.au
Phone: (02) 9385-3331
International: +61 2 938 53331
Opening hours:
Monday – Friday 7:30am – 9:30 pm
Saturday & Sunday 8:30 am – 4:30pm

Study at UNSW Canberra

Study at UNSW Canberra has lots of useful information regarding:
• Where to get help
• Administrative matters
• Getting your passwords set up
• How to log on to Moodle
• Accessing the Library and other areas.

UNSW Canberra Student Hub

For News and Notices, Student Services and Support, Campus Comminity, Quick Links, Important Dates and Upcoming Events

School Contact Information

Deputy Head of School (Education): Dr Erandi Hene Kankanamge

E: e.henekankanamge@adfa.edu.au

T: 02 5114 5157

Syscom Admin Support: syscom@unsw.edu.au

T: 02 5114 5284

Syscom Admin Office: Building 15, Level 1, Room 101 (open 10am to 3pm, Mon to Fri)