

SURV4850A: Project - Part A

Callaghan

Semester 1 - 2024



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

OVERVIEW

Course Description This course requires students to conduct an extensive project on any approved topic which contributes to the course objectives. The course concludes with a day of intensive seminar presentations by all students.

Academic Progress Requirements Nil

Requisites This course is only available to students active in Bachelor of Engineering (Honours) (Surveying) [12281], Bachelor of Surveying (Honours) [40058], Bachelor of Surveying (Honours) / Bachelor of Business [40077] Bachelor of Surveying (Honours) [40372] Bachelor of Surveying (Honours)/Bachelor of Business [40373] programs.

Assumed Knowledge Completion of the 3rd year of the Bachelor of Engineering (Honours) (Surveying) program, or 3rd year of the Bachelor of Surveying (Honours) program. Students should enrol in this course in the year they complete their degree.

Contact Hours

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Lecture
Face to Face On Campus
2 hour(s) per week(s) for 4 week(s)
NOTE: The above distribution of contact hours may alter on a weekly basis and will be confirmed in the course outline handed to students in Week 1.

Seminar
Face to Face On Campus
3 hour(s) per week(s) for 2 week(s)

Workshop
Face to Face On Campus
3 hour(s) per week(s) for 10 week(s)

Unit Weighting Workload 10
Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10 unit course.

Multi-Term Sequence Advice This course is part of a multi-term sequence. Both Part A and Part B must be completed to meet the requirements of the sequence. Part A and Part B must be completed in consecutive terms. Students must complete Part A before completing Part B.

COURSE OUTLINE

www.newcastle.edu.au

CRICOS Provider 00109J

Students must complete the sequence within a twelve month period. If students complete Part A but are unable to complete Part B within the timeframe, they must re-enrol in Part A. Part A cannot be completed as a standalone course, it will only count towards your program once you have successfully completed Part B.

CONTACTS

Course Coordinator **Callaghan**
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Teaching Staff Dr. Lloyd Pilgrim
 Dr. Mehdi Khaki
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School Office **School of Engineering**
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 9.00am-1.00pm and 2.00pm-5.00pm (Monday to Friday)

SYLLABUS

Course Content • A study into one of a variety of possible topics involving surveying and/or a closely related matter and preferably involving a novel investigation.
 • Report preparation.
 • Seminar.

Course Learning Outcomes **On successful completion of this course, students will be able to:**
1. Manage an open-ended research project.

2. Analyse and research open ended problems relevant to the surveying profession.

3. Generate a professional quality report.

4. Through oral presentation synthesize and articulate research outcomes.

Course Materials **Lecture Materials:**
 - All materials will be provided on the course web site.

ASSESSMENTS

This course has 4 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Progress Report	Week 11, Semester 1	Individual	20%	1, 2, 3
2	Seminar	Week 12, Semester 2	Individual	10%	1, 2, 4
3	Journal Article	Due before 5pm on Friday of Week 13. Semester 2	Individual	5%	2, 3
4	Thesis	Due before 5 pm on Friday of Week 13, Semester 2.	Individual	65%	1, 2, 3

Late Submissions The mark for an assessment item submitted after the designated time on the due date, without an approved extension of time, will be reduced by 10% of the possible maximum mark for that assessment item for each day or part day that the assessment item is late. Note: this applies equally to week and weekend days.

Assessment 1 - Progress Report

Assessment Type Written Assignment
Purpose Progress Report
Description Progress Report - A formal progress report is to be provided setting out the issues under investigation, the research undertakes, preliminary results, and issues confronted, and plans implemented to complete the tasks (including a timeline with dates).
Weighting 20%
Due Date Week 11, Semester 1
Submission Method Online
 Specific Location
 Assessments to be submitted to academic supervisor for the project. The digital copy of your report and Turnitin report should be uploaded to Canvas by
Assessment Criteria Assessment will relate to quality of research, amount of work undertaken, demonstrated plans to meet required deadlines, and quality of report.
Return Method In Person
Feedback Provided In Person - . Students to meet with Academic supervisor and discuss report assessment.

Assessment 2 - Seminar

Assessment Type Presentation
Purpose Presentation
Description Seminar - Each Student is required to present a seminar on their project. The time allowed for the student presentation will be announced when the timetable of student seminars is finalised. The seminars are usually approximately 15 minutes each, and delivered to an audience of industry professionals, students and academics.
Weighting 10%
Due Date Week 12, Semester 2
Submission Method Specific Location
 Oral Presentation
Assessment Criteria Presentations will be assessed by a number of academic staff on the day. Presentations will be assessed on content, organisation, appropriateness for audience, clarity of presentation, and meeting the allocated time period.
Return Method Not Returned
Feedback Provided In Person - .

Assessment 3 - Journal Article

Assessment Type Written Assignment
Purpose Journal Article
Description Journal article - all students are required to prepare an article outlining their project. Articles should be a maximum of 6 pages, describing the project in a format suitable for publication in a state/national surveying journal.

Weighting	5%
Due Date	Due before 5pm on Friday of Week 13. Semester 2
Submission Method	Online
	Specific Location
	Assignment to be submitted to the Administration Office, discipline of Civil, Surveying and Environmental Engineering (Room EA112). Submission is to include two hard copy versions, and one USB (non-returnable). The digital copy of your report and Turnitin report should be uploaded to Canvas by due date.
Assessment Criteria	The journal article will be assessed on content, structure, referencing and suitability for publication of presentation in a surveying journal.
Return Method	Not Returned
Feedback Provided	In Person - . Academic Supervisor can provide individual feedback to students if requested.

Assessment 4 - Thesis

Assessment Type	Thesis
Purpose	Thesis
Description	The project provides a chance for the student to undertake some work of their own, with the assistance where necessary of an academic supervisor. Other members of staff may also provide help if needed. The project is assessed on both its material content and its presentation. The material content involves the volume and quality of the work completed by the student.
Weighting	65%
Due Date	Due before 5 pm on Friday of Week 13, Semester 2.
Submission Method	Online
	Specific Location
	Assignment to be submitted to the administration office, Discipline of Civil, Surveying and Environmental engineering (Room EA112). Submission is to include two hard copy versions, and one on a USB (non-returnable). The digital copy of your report and Turnitin report should be uploaded to Canvas by due date.
Assessment Criteria	The Thesis (Final Report) mark will be further broken down as follows. Student Intellectual contribution to the project - 40% Amount of work performed by the student - 15% Report/Thesis presentation - 10% Two paper copies of the thesis, plus a copy on USB device are required to be submitted (USB will not be returned to student). The USB should be clearly labelled and structured so that it is easy to locate and read all the information stored on the USB. The USB is to contain all the complete thesis, including scans of all files, plans, maps, field notes, images, data computer results, etc.
Return Method	Not Returned
Feedback Provided	In Person - . Academic Supervisor can provide individual feedback to students if requested.

ADDITIONAL INFORMATION

Grading Scheme

This course is Part A of a multi-term sequence. A grade will be awarded at the completion of Part B.

Communication Methods

Communication methods used in this course include:

- Canvas Course Site: Students will receive communications via the posting of content or announcements on the Canvas course site.
- Email: Students will receive communications via their student email account.
- Face to Face: Communication will be provided via face to face meetings or supervision.

Course Evaluation

Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.

Oral Interviews (Vivas) As part of the evaluation process of any assessment item in this course an oral examination (viva) may be conducted. The purpose of the oral examination is to verify the authorship of the material submitted in response to the assessment task. The oral examination will be conducted in accordance with the principles set out in the [Oral Examination \(viva\) Procedure](#). In cases where the oral examination reveals the assessment item may not be the student's own work the case will be dealt with under the [Student Conduct Rule](#).

Academic Misconduct All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. For the Student Academic Integrity Policy, refer to <https://policies.newcastle.edu.au/document/view-current.php?id=35>.

Adverse Circumstances The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for special consideration due to adverse circumstances will be made using the online Adverse Circumstances system where:

1. the assessment item is a major assessment item; or
2. the assessment item is a minor assessment item and the Course Co-ordinator has specified in the Course Outline that students may apply the online Adverse Circumstances system;
3. you are requesting a change of placement; or
4. the course has a compulsory attendance requirement.

Before applying you must refer to the Adverse Circumstance Affecting Assessment Items Procedure available at:

<https://policies.newcastle.edu.au/document/view-current.php?id=236>

Important Policy Information The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the policies and procedures at <https://www.newcastle.edu.au/current-students/respect-at-uni/policies-and-procedures> that support a safe and respectful environment at the University.

This course outline was approved by the Head of School on the 25/01/2024. No alteration of this course outline is permitted without Head of School approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.

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