UNSW Course Outline

CVEN4106 Construction Practicum - 2024

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General Course Information

Course Code : CVEN4106
Year : 2024
Term : Term 3
Teaching Period : T3
Is a multi-term course? : No
Faculty : Faculty of Engineering
Academic Unit : School of Civil and Environmental Engineering
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : Kensington
Campus : Sydney
Study Level : Undergraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

This course involves students working on a hands on infrastructure project. Projects will involve infrastructure such as buildings, bridges, water supply and drainage, and historical structures. Within a nominated project, students are expected to develop, design, estimate, plan, construct,

and manage the processes. The emphasis in the course is on the students learning by doing and having a hands-on approach. Students take theory learned in other courses and apply it in practice. Students are expected to think for themselves, deal with situations that they have not come across before, and think in a practical and professional way. Each time the course is offered it will be based on a different project so that students will need to solve new problems and address novel issues.

Course Aims

To make the transition between classroom and engineering practice.

To familiarise students with the practice of engineering

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Explain the steps of project development and planning
CLO2 : Evaluate financial viability of projects
CLO3 : Create a marketing plan for a project and its presentation
CLO4 : Communicate effectively in both written and verbal form

Course Learning Outcomes	Assessment Item
CLO1 : Explain the steps of project development and planning	• Final Examination • Oral Presentation • Individual Assignment
CLO2 : Evaluate financial viability of projects	• Final Examination • Oral Presentation
CLO3 : Create a marketing plan for a project and its presentation	• Oral Presentation
CLO4 : Communicate effectively in both written and verbal form	• Individual Assignment • Final Examination • Oral Presentation

Learning and Teaching Technologies

Moodle - Learning Management System | Echo 360

Learning and Teaching in this course

This course is designed to allow students to develop understanding about how a project's

development is appraised, planned and assessed. As part of the learning, students are assigned into groups and will develop a project presentation 'pitch' which they will make to an external group of 'çaptains' of industry at the end of the term.

Student are alsorequired to submit an individual assessment taskand sit a Final Examination for the course that is scheduled in the formal examination period at Term end.

Other Professional Outcomes

https://www.unsw.edu.au/engineering/student-life/student-resources/program-design

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Final Examination Assessment Format: Individual	50%	
Oral Presentation Assessment Format: Group	30%	Start Date: 18/09/2024 08:00 PM Due Date: 06/11/2024 06:00 PM
Individual Assignment Assessment Format: Individual	20%	Start Date: 09/09/2024 09:00 PM Due Date: 27/09/2024 11:59 PM

Assessment Details

Final Examination

Assessment Overview

The Final Examination will be conducted in the UNSW formal examination period covering the work of the entire course.

Course Learning Outcomes

- CLO1 : Explain the steps of project development and planning
- CLO2 : Evaluate financial viability of projects
- CLO4 : Communicate effectively in both written and verbal form

Detailed Assessment Description

The Final Examination will be externally conducted and scheduled by the UNSW Examinations Branch. This examination is to assess students understanding of the course's significant technical content, based upon the presented lecture and workshop material given through the term.

No hurdle for the final examination.

Assignment submission Turnitin type

Not Applicable

Generative AI Permission Level

Not Applicable

Generative AI is not considered to be of assistance to you in completing this assessment. If you do use generative AI in completing this assessment, you should attribute its use.
For more information on Generative AI and permitted use please see here.

The Final Examination will be a closed-book examination.

Oral Presentation

Assessment Overview

In groups, students are to present to a Board using accurate, technical information. Each student is expected to complete an evaluation form, which will be used to determine the overall individual mark. The group will prepare a 1-page summary outline which is due in advance of the presentation time. Feedback will be provided on the day. Marks will be provided at the end of term.

Course Learning Outcomes

- CLO1 : Explain the steps of project development and planning
- CLO2 : Evaluate financial viability of projects
- CLO3 : Create a marketing plan for a project and its presentation
- CLO4 : Communicate effectively in both written and verbal form

Detailed Assessment Description

This assignment requires each student in their allocated groups to present in front of a panel of distinguished guests in the Industry. The way you present accurate technical information is a significant part of this assignment. Each group must provide a one-page outline of their presentation to the panelists. The assignment will imbue students with the real-life experience of presenting to a Board, working in teams, and demonstrate students' public speaking skills

Submission notes

Students to follow the Group Submission outline

Assignment submission Turnitin type

Not Applicable

Hurdle rules

Must complete the presentation as a group in accordance with the brief issued the Oral Presentation.

Generative AI Permission Level

Not Applicable

Generative AI is not considered to be of assistance to you in completing this assessment. If you do use generative AI in completing this assessment, you should attribute its use.
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Individual Assignment

Assessment Overview

The assignment is to be constructed in the Harvard format. 3000 words. The report will demonstrate a student's understanding of content presented in the lectures. It will be assessed based on content and format. Feedback will be returned by the census date.

Course Learning Outcomes

- CLO1 : Explain the steps of project development and planning
- CLO4 : Communicate effectively in both written and verbal form

Detailed Assessment Description

This assignment will require students to compose a written report in the Harvard style, relating to the lecture and workshop content. The basis of this work is for students to illustrate their understanding of the knowledge learnt throughout the course, and demonstrate student's ability to coherently construct a report.

Assessment Length

3000 words

Assessment information

Students are to submit Assessment 3 in accordance with all requirements of the issued assessment brief.

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

Hurdle rules

This is a must pass assignment within the course.

Generative AI Permission Level

Simple Editing Assistance

In completing this assessment, you are permitted to use standard editing and referencing functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.
If your Convenor has concerns that your submission contains passages of AI-generated text or media, you may be asked to account for your work. If you are unable to satisfactorily demonstrate your understanding of your submission you may be referred to UNSW Conduct & Integrity Office for investigation for academic misconduct and possible penalties.
For more information on Generative AI and permitted use please see here.

General Assessment Information

Grading Basis

Standard

Requirements to pass course

All assessment events have to be completed for a student to be deemed eligible to to be considered to pass the course.

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 9 September - 15 September	Presentation	Subject Overview and Conceptualisation Phase. Workshop session on 11Sep24
Week 2 : 16 September - 22 September	Presentation	Feasibility Phase and Selection of Project Options Workshop session on 18Sep24
Week 3 : 23 September - 29 September	Presentation	Approval Phase Workshop session on 25Sep24
	Assessment	Individual Assignment
Week 4 : 30 September - 6 October	Presentation	Post-Project Phase Workshop session on 02Oct24
Week 5 : 7 October - 13 October	Presentation	Public Holiday Labour Day, Monday 07Oct24. No Lecture on this day. Project Procurement Workshop session on 09Oct24
Week 6 : 14 October - 20 October	Other	Non-Teaching week. No Lecture or Workshop sessions.
Week 7 : 21 October - 27 October	Presentation	Real Examples of Project Workshop session on 23Oct24
Week 8 : 28 October - 3 November	Presentation	Engineering Meets Law Workshop session on 30Oct24
Week 9 : 4 November - 10 November	Presentation	The professions of Engineering and Building Construction Assessment 2 presentations to be given by all groups on Wednesday 6th November. All groups will present for 15 minutes with a 5-minute question time following.
Week 10 : 11 November - 17 November	Presentation	Course Review and wrap-up. Workshop session TBA.

Attendance Requirements

Undergraduate students must attend at least 80% of the workshop/lab in which they are enrolled for the duration of the session.

Course Resources

Prescribed Resources

There are no prescribed texts for this course.

Recommended Resources

Students will be advised of resources they will require. It is expected that students completing this course will be required to read widely on the topics covered in the presentations throughout the term.

Course Evaluation and Development

Student's will be asked to contribute to the feedback of this coure by completing the MyExperience course review issued at the end of the term. If any student wants to contact the Course Convenor, LTCOL Robert Holdom throughout the term concerning any matters that will improve the course in the current term, do so without hesitation.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	LTCOL Robert Holdom		CE211	+61293857773	email or office contact by phone or in person	No	Yes
Lecturer	Dr Shane Geha		Off campus office		email or office contact by phone	No	No
	Robert Holdom					No	No

Other Useful Information

Academic Information

I. Special consideration and supplementary assessment

If you have experienced an illness or misadventure beyond your control that will interfere with

your assessment performance, you are eligible to apply for Special Consideration prior to, or within 3 working days of, submitting an assessment or sitting an exam.

Please note that UNSW has a Fit to Sit rule, which means that if you sit an exam, you are declaring yourself fit enough to do so and cannot later apply for Special Consideration.

For details of applying for Special Consideration and conditions for the award of supplementary assessment, please see the information on UNSW's Special Consideration page.

II. Administrative matters and links

All students are expected to read and be familiar with UNSW guidelines and polices. In particular, students should be familiar with the following:

- Attendance
- UNSW Email Address
- Special Consideration
- Exams
- Approved Calculators
- Academic Honesty and Plagiarism
- Equitable Learning Services

III. Equity and diversity

Those students who have a disability that requires some adjustment in their teaching or learning environment are encouraged to discuss their study needs with the course convener prior to, or at the commencement of, their course, or with the Equity Officer (Disability) in the Equitable Learning Services. Issues to be discussed may include access to materials, signers or note-takers, the provision of services and additional exam and assessment arrangements. Early notification is essential to enable any necessary adjustments to be made.

IV. Professional Outcomes and Program Design

Students are able to review the relevant professional outcomes and program designs for their streams by going to the following link: https://www.unsw.edu.au/engineering/student-life/student-resources/program-design.

Note: This course outline sets out the description of classes at the date the Course Outline is published. The nature of classes may change during the Term after the Course Outline is published. Moodle or your primary learning management system (LMS) should be consulted for the up-to-date

class descriptions. If there is any inconsistency in the description of activities between the University timetable and the Course Outline/Moodle/LMS, the description in the Course Outline/ Moodle/LMS applies.

Academic Honesty and Plagarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW students have a responsibility to adhere to this principle of academic integrity. Plagiarism undermines academic integrity and is not tolerated at UNSW. *Plagiarism at UNSW is defined as using the words or ideas of others and passing them off as your own.*

Plagiarism is a type of intellectual theft. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. UNSW has produced a website with a wealth of resources to support students to understand and avoid plagiarism, visit: student.unsw.edu.au/plagiarism. The Learning Centre assists students with understanding academic integrity and how not to plagiarise. They also hold workshops and can help students one-on-one.

You are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and the proper referencing of sources in preparing all assessment tasks.

Repeated plagiarism (even in first year), plagiarism after first year, or serious instances, may also be investigated under the Student Misconduct Procedures. The penalties under the procedures can include a reduction in marks, failing a course or for the most serious matters (like plagiarism in an honours thesis or contract cheating) even suspension from the university. The Student Misconduct Procedures are available here:

www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf

Submission of Assessment Tasks

Work submitted late without an approved extension by the course coordinator or delegated authority is subject to a late penalty of five percent (5%) of the maximum mark possible for that assessment item, per calendar day.

The late penalty is applied per calendar day (including weekends and public holidays) that the

assessment is overdue. There is no pro-rata of the late penalty for submissions made part way through a day. This is for all assessments where a penalty applies.

Work submitted after five days (120 hours) will not be accepted and a mark of zero will be awarded for that assessment item.

For some assessment items, a late penalty may not be appropriate. These will be clearly indicated in the course outline, and such assessments will receive a mark of zero if not completed by the specified date. Examples include:

- Weekly online tests or laboratory work worth a small proportion of the subject mark;
- Exams, peer feedback and team evaluation surveys;
- Online quizzes where answers are released to students on completion;
- Professional assessment tasks, where the intention is to create an authentic assessment that has an absolute submission date; and,
- Pass/Fail assessment tasks.

Faculty-specific Information

Engineering Student Support Services – The Nucleus - enrolment, progression checks, clash requests, course issues or program-related queries

Engineering Industrial Training – Industrial training questions

UNSW Study Abroad – study abroad student enquiries (for inbound students)

UNSW Exchange – student exchange enquiries (for inbound students)

UNSW Future Students – potential student enquiries e.g. admissions, fees, programs, credit transfer

Phone

(+61 2) 9385 8500 – Nucleus Student Hub

(+61 2) 9385 7661 – Engineering Industrial Training

(+61 2) 9385 3179 – UNSW Study Abroad and UNSW Exchange (for inbound students)

School Contact Information

For assistance with enrolment, class registration, progression checks and other administrative matters, please see the Nucleus: Student Hub. They are located inside the Library – first right as you enter the main library entrance. You can also contact them via http://unsw.to/webforms or reserve a place in the face-to-face queue using the UniVerse app.

For course administration matters, please contact the Course Coordinator.

Questions about the this course should normally be asked during the scheduled class so that everyone can benefit from the answer and discussion.