



School of Civil and Environmental Engineering
Term 1, 2020

CVEN4051 Thesis B

COURSE DETAILS

Units of Credit	6
Contact hours	4 hours per week
Class	Tue, 4:00 – 6:00 pm Thurs, 1:00 – 3:00 pm

- < Ability to engage independent and reflective learning
- < Information literacy
- < Skills for collaborative and multi-disciplinary work
- < A respect for ethical practice and social responsibility
- < Skills for effective communication

TEACHING STRATEGIES

Private Study	<ul style="list-style-type: none"> < Review lecture material and documentation < Do set problems and assignments < Join Moodle discussions of problems < Reflect on class problems and assignments < Download materials from Moodle < Keep up with notices and find out marks via Moodle
Lectures	<ul style="list-style-type: none"> < Find out what you must learn < Hear announcements on course changes
Assessments	<ul style="list-style-type: none"> < Demonstrate your knowledge and skills < Demonstrate higher understanding and problem solving

EXPECTED LEARNING OUTCOMES

This course is designed to address the learning outcomes below and the corresponding Engineers Australia Stage 1 Competency Standards for Professional Engineers as shown. The full list of Stage 1 Competency Standards may be found in Appendix A.

After successfully completing this course, you should be able to:

	Learning Outcome	EA Stage 1 Competencies
1.	Demonstrate technical understanding of physical, chemical and biological phenomena	<i>PE1.1</i>
2.	Demonstrate contextual understanding of complex problems	

COURSE PROGRAM**Term 1 2020**

Date	Topic	Lecturers
17/02/2020 (Week 1)	Course Introduction	Mike Manefield
24/02/2020 (Week 2)	Private/group study	
02/03/2020 (Week 3)	Private/group study	
09/03/2020 (Week 4)	Private/group study	
16/03/2020 (Week 5)	Private/group study	
23/03/2020 (Week 6)	Private/group study	
30/03/2020		

			support the stated position.	engineering discipline
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Evaluate health risks

		position to technical and non-technical audiences.	delivery of the issues and position.	
Effectively communicates intended message in the form of an executive summary	Submits an executive summary, communicating some of the concerns.	Prepares executive summary, communicating clearly and succinctly and presenting an objective viewpoint.	Prepares high quality, error-free executive summary, communicating clearly and succinctly and presenting informed, objective viewpoint.	3.2 Effective written communication in professional and lay domains (b).

Details of each assessment component, the marks assigned to it, the criteria by which marks will be assigned, and the dates of submission are set out below.

The final grade for this course will normally be based on the sum of the scores be sum of 89(on 1)-3()-0.474F

ASSESSMENT OVERVIEW

Item	Length	Weighting	Learning outcomes assessed	Assessment Criteria (this needs to explicitly describe what students are expected to demonstrate in the task)	Due date and submission requirements	Deadline for absolute fail	Marks returned
Presentation	15 min	30%	1, 2, 4-7	Group presentation and Q&A to assess ability to give professional briefing on remediation options assessment for the Botany Industrial Park.	14/04 4-6 pm 16/04 1-3 pm 21/04 4-6 pm 23/04 1-3 pm	N/A	One week after due date

RELEVANT RESOURCES

- ◁ Your course coordinator and fellow students. Talk to your coordinator. Talk to your peers. These are valuable sources of information.
- ◁ Lecture series by government and industry experts.

◁ CEVSOC.

Refer to Academic Advice on the School website available at:

<https://www.engineering.unsw.edu.au/civil-engineering/student-resources/policies-procedures-and-forms/academic-advice>

Appendix A: Engineers Australia (EA) Competencies
Stage 1 Competencies for Professional Engineers

	Program Intended Learning Outcomes
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PE1.1 Comprehensive, theory

**PE1: Knowledge
and Skill Base**