



School of Civil and Environmental Engineering

Term 1, 2021

CVEN4050 THESIS A

COURSE DETAILS

Units of Credit	6		
Contact hours	4 hours per week		
Class	Monday, 14:00	16:00	online
Workshop	Monday, 12:00	14:00	online
	Monday, 16:00	18:00	online
Course Coordinator and Lecturer	Mr Robert Holdom		
	email: robert.holdom@unsw.edu.au		
	office: CE211		
	phone: 02 9385 7773		

INFORMATION ABOUT THE COURSE

This course is available to all Civil Engineering, Environmental Engineering and Surveying students who are completing their final year of study in their four year undergraduate degree. CVEN4050 forms the first part of the Coursework Thesis program, with CVEN4051 Thesis B, following C6(g)8(ra)8(m)-131-131-131-131-13 TJ78() in6F

	<p>Ask and answer questions</p> <p>Practice solving set problems/ follow Demonstrator guidance in preparing Thesis A submission elements</p> <p>Meet the timely submission requirements required by your Demonstrator</p>
Assessments	<p>Demonstrate your knowledge and skills</p> <p>Demonstrate higher understanding and problem solving</p> <p>Demonstrate presentation and documented reporting skills</p>

EXPECTED LEARNING OUTCOMES

This course is designed to address the learning outcomes below and the corresponding Engineers

ASSESSMENT

There will be NO formal examination for Thesis A. Instead, the final mark and grade for this course will be determined based on the aggregated scores from each of the following assessment tasks.

Assessment Task 1a (individual submission) – Granular pavement/thin surfacing (5%) – due Week 3

Assessment Task 1b (individual submission) – Stabilised pavement/Asphalt (25%) – due Week 5

Assessment Task 2 (individual submission) – Rigid pavement (30%) – due Week 8

Assessment Task 3 (individual submission) – Final Report (40%) – due Week 10

Your Final Mark for Thesis A will be aggregated total of all Thesis A assessment tasks. The Final Grade for Thesis A is as per the university's Mark/ Grade scale. The Thesis A document is to conform to the guidelines given to you throughout the Term. You will not be required to submit a printed copy of your compiled Thesis A. However, you should be considering doing the same so that you can take the document to an employment/ job interview.

Your Assessment Task submissions will be marked by your Workshop Demonstrator and separately by another marker. This is to maintain quality standards across the course and within each Workshop.

Students who perform poorly in any of the Assessment Tasks outlined in the Assessment Overview are recommended to discuss their progress firstly with their assigned Demonstrator or with the Lecturer at the first available opportunity (within a week) during the term on receipt of that poor performance.

[Note: The lecturer reserves the right to adjust the final scores by scaling if agreed by the Head of School.]

Whilst not applicable to students completing CVEN4050 Thesis A, please note: Supplementary Examinations for Term 2, 2021 will be held between Monday 24th May 2021 and Friday 28th May 2021, should you be required to sit one. You are required to be available during these dates. Please do not to make any personal or travel arrangements during this period.

PENALTIES

As outlined in the Assessment Overview, there is no provision being allowed for late submissions in Thesis A. Students should consider that this course operates as does business, in that SET DEADLINES have to be met. You are thereby advised to plan and use your time wisely in preparing your work in meeting the deadlines.

ASSESSMENT OVERVIEW

Item	Length	Weighting	Learning outcomes assessed	Assessment Criteria	Due date and submission requirements	Deadline for absolute fail	Marks returned
<u>Assessment Task 1a</u> Flexible Pavement: Granular layer and thin bituminous layer	Appendix calculations	5%	1, 2, 3, 4, 5 & 7	In successfully making a timely and correct submission of Assessment Task 1a, you will receive the 5 marks allocated for Assessment Task 1a. This submissions will be part of the Appendices within Thesis A.	Before 5pm on 4 th March, 2021 <i>Upload to Moodle</i>	There are nom0	

RELEVANT RESOURCES

Appendix A: Engineers Australia (EA) Competencies

Stage 1 Competencies for Professional Engineers

	Program Intended Learning Outcomes
PE1: Knowledge and Skill Base	PE1.1 Comprehensive, theory-based understanding of underpinning fundamentals
	PE1.2 Conceptual understanding of underpinning maths, analysis, statistics, computing
	PE1.3 In-depth understanding of specialist bodies of knowledge
	PE1.4 Discernment of knowledge development and research directions
	PE1.5 Knowledge of engineering design practice
	PE1.6 Understanding of scope, principles, norms, accountabilities of sustainable engineering practice
PE2: Engineering Application Ability	PE2.1 Application of established engineering methods to complex problem solving
	PE2.2 Fluent