Term 1 2020

Date	Topic and Lecture Content	Demonstration Content
17/02/2020 (Week 1)	**Course Introduction** Introduction to Pavements used in commercial and industrial applications Outline of Thesis A requirements Your employment preparing your Resume	Workshop to organise students into 4 person teams Commence Assessment Task 1
24/02/2020 (Week 2)	Pavement types and materials of construction	Continue with Assessment Task 1
02/03/2020 (Week 3)	Design of segmental pavements	Continue with Assessment Task 1 Commence Assessment Task 2
09/03/2020 (Week 4)	Design of segmental pavements continued	Continue with Assessment Task 2
16/03/2020 (Week 5)	Design of segmental pavements continued	Continue with Assessment Task 2

ASSESSMENT OVERVIEW

Item	Length	Weighting	Learning outcomes assessed	Assessment Criteria	Due date and submission requirements	Deadline for absolute fail	Marks returned
1. Assessment Task 1						There are no extensions on any of these elements, so the posted due dates are final.	
Site Inspection Report	Appendix Written submission	20%	1 & 3	Submission requirement is for each student complete a site visit on two separate industrial pavement sites This submission will be appendix A within Thesis A.	Before 5:00pm 5th March, 2020 Upload to Moodle		Within two weeks
2. Assessment Task 2							
Industrial Pavement Design	Appendix Calculations	30%	1 & 4	Every student will complete their own calculations for their assigned design data. This submission will be Appendix B within Thesis A.	Before 5:00pm 26th March, 2020 Upload to Moodle		Within two weeks
3. Assessment Task 3							
Construction Processes and Materials of Construction	Appendix Written submission	20%	1 & 2	Students are to research the construction processes and materials of construction for the site visits and design work assigned to them This submission will be Appendix C within Thesis A.	Before 5:00pm 16th April, 2020 Upload to Moodle		Within two weeks
4. Assessment Task 4							
Thesis A Document	8 pages, plus Appendices	30%	1, 2, 3 & 4	The Thesis A document is to be presented as an *Engineering Report* and will be marked accordingly: Executive Summary: 10% Presentation/ cis308[esentation/ cis4			

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 application of engineering techniques, tools and resources
	PE2.3 Application of systematic engineering synthesis and design processes