Course Outline

Term 1 2020

GSOE9820

ENGINEERING PROJECT MANAGEMENT

Contents

1. Staff contact details

Contact details and consultation times for course convenor

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Consultation concerning this course is available in the first instance by

The normal workload expectations of a student are approximately 25 hours per term for each UOC, including class contact hours, other learning activities, preparation and time spent on all assessable work.

Therefore, you should aim to spend about 10 h/w on this course outside class. The additional time should be spent in preparation for the lectures by reading the assigned preparation materials, making sure that you understand the lecture material, completing the set assignments, further reading, and revising for examinations.

Contact hours

	Day	**Time**	**Location**
Lectures	Thursday	6pm – 9pm	Ainsworth G03 (K-J17-G03)
Online discussion	Any	Any	MS Teams

Summary and Aims of the course

This course will introduce the fundamental principles of project management in an engineering context, enabling participants to become successful project managers.

This course takes an integrated approach to managing projects, exploring both technical and managerial challenges.

The course will provide you with a powerful set of tools t

consecutive classes. All of activities 2, 3 and 5 take place in the scheduled classes and contribute towards final marks.

5.

Week	Date	Module	Demonstration	Indicative topics	Suggested reading
1					

marks in the tRAT tests (10% of grade), all or part of the group must be present in the class to complete and hand in the physical scratch cards, which are used to submit the responses. Responses to AEs (30% of grade) need to be submitted by all or part of a group that is present in the class.

Overall, individual attendance is not monitored, and it is understood that students may miss some classes. However, individual absence or remote collaboration need be agreed above all with other team members, to avoid feelings of unequal workload among those who were present to win the marks on the team's behalf.

For approved special consideration applications, individual iRAT tests may be discounted from the calculation of grades. Group marks are not adjusted for special consideration.

Examinations

The 2-hour exam is 50% multiple choice questions and 50% long written answer. The multiple-

Other Resources

Plus many other valuable print books are in the library…

UNSW Library website: https://www.library.unsw.edu.au/
Moodle: https://moodle.telt.unsw.edu.au/login/index.php

8. [illegible]

Feedback on the course is gathered periodically using various means, including the UNSW myExperience process, informal discussion in the final class for the course, and the School's Student/Staff meetings. Your feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

In this course, 2020 improvements resulting from student feedback, both positive and negative, include:

- Implementation of full Team Based Learning teaching strategy with popular pre-lecture quizzes and class exercises carried over into new RAT/ AE format.
- Moving course web pages to MS Teams to facilitate discussion; specific demonstrator roles to respond to online community.
- Cancelling the long, written assignment; transition of critical components into AEs and augmentation with more challenging and more industry-relevant problems.
- Adding written answers to the exam to test advanced understanding.
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If plagiarism is found in your work when you are in first year, your lecturer will offer you assistance to improve your academic skills. They may ask you to look at some online resources, attend the Learning Centre, or sometimes resubmit your work with the problem

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
	PE2.4 Application of systematic approaches to the conduct and management of engineering projects
PE3: Professional and Personal Attributes	PE3.1 Ethical conduct and professional accountability
	PE3.2 Effective oral and written communication (professional and lay domains)
	PE3