Course Outline

Term 1 2020

GSOE9712

ENGINEERING STATISTICS AND EXPERIMENT DESIGN

1. Staff contact details

Contact details and consultation times for course convenor

Name: Dr Ron Chan
Office Location: Room ME507, Ainsworth Building
Tel: (02) 9385 1535
Email: r.chan@unsw.edu.au

Consultation concerning this course is available immediately after the classes. Direct consultation is preferred.

Please see the course Moodle.

2. Important links

Moodle
Lab Access
Health and Safety
Computing Facilities
Student Resources
Course Outlines
Engineering Student Support Services Centre
Makerspace
UNSW Timetable
UNSW Handbook
UNSW Mechanical and Manufacturing Engineering

3. Course details

Credit points

This is a 6 unit-of-credit (UoC) course and involves 3 hours per week (h/w) of face-to-face contact.

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.

You should aim to spend about 9 h/w on this course. The additional time should be spent in making sure that you understand the lecture material, completing the set assignments, further reading, and revising for any examinations.

6. Assessment

Assessment overview

Assessment	Group Project? (# Students per group)	Length	Weight	Learning outcomes assessed	Assessment criteria	Due date and submission requirements	Deadline for absolute fail	Marks returned
Online Quiz x 3	No	Multiple choice and short answer questions	15% (5% each)	1, 2 and 3	Lecture and demonstration contents	Week 3, 6 and 9	N/A	1 week after the quiz is closed
Assignment x 2	Yes (3)	3000 words + 20 minutes VIVA	50% (25% each)	1, 2, 3 and 4	See Assignment Section	Week 6 and 10	1 week after the due date	2 weeks after submission

Final Exai

fixed. However more serious instances in first year, such as stealing another student's work or paying someone to do your work, may be investigated under the Student Misconduct Procedures.

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) even suspension from the university. The Student Misconduct Procedures are available here:
www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf

10. 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

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