



Mechanical and Manufacturing Engineering

Course Outline  
Term 1 2019

**GSOE9712**

**ENGINEERING STATISTICS AND  
EXPERIMENT DESIGN**

# Contents

1. Staff contact details .....	2
Contact details and consultation times for course convenor .....	2
Contact details and consultation times for additional lecturers/demonstrators/lab staff .....	2
2. Important links .....	2
3. Course details .....	2
Credit points .....	2
Contact hours .....	2
Summary and Aims of the course .....	3
Student learning outcomes .....	3
4. Teaching strategies .....	3
5. Course schedule .....	3
6. Assessment .....	5
Assessment overview .....	5
Assignments .....	6
Viva .....	6
Executive Summary .....	6
Presentation .....	6
Submission .....	6
Marking .....	7
Examinations .....	7
Online Quiz .....	7
Calculators .....	7
Special consideration and supplementary assessment .....	8
7. Expected resources for students .....	8
8. Course evaluation and development .....	8
9. Academic honesty and plagiarism .....	8
10. Administrative	

# I. Staff contact

## **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](mailto:r.chan@unsw.edu.au)

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

## **Contact details and consultation times for additional lecturers/demonstrators/lab staff**

Name: Dr Erik van Voorthuysen  
Office Location: ME507, Ainsworth Building  
Tel: (02) 9385 4147  
Email: [erikv@unsw.edu.au](mailto:erikv@unsw.edu.au)

Please see the course [Moodlet](#)



Date	Lecture Content (Ainsworth G02) Monday 10:00-13:00	8 1 g6 660 43704 6eW 081490
------	--	-----------------------------

## 6. Assessment

### Assessment overview

Assessment	Group Project?	If Group, # 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	N/A	Multiple choice and short answer questions	15% (5% each)	1, 2 and 3	Lecture and demonstration contents	Week 3, 6, 9	Immediately	



- a. Weekly online tests or laboratory work worth a small proportion of the subject mark,  
or



## Special consideration and supplementary assessment

If you have experienced an illness or misadventure beyond your control that has interfered with your assessment performance, you are eligible to apply for Special Consideration. For details of applying for Special Consideration and conditions for the award of supplementary assessment, please see the information on UNSW's [Special Consideration page](#).

## 7. Prescribed text

The prescribed textbook for this course is:

Douglas C. Montgomery, Design and analysis of experiments, 8<sup>th</sup> ed, Hoboken, N.J.: John Wiley & Sons, Inc., 1118146921

You can find a limited number of the prescribed textbook from the UNSW library.

UNSW Library website: <https://www.library.unsw.edu.au/>

Moodle: <https://moodle.telt.unsw.edu.au/login/index.php>

## 8. Course evaluation and development

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, recent improvements resulting from student feedback include more demonstrator support to the student major group project.

## 9. Academic honesty and plagiarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW students have a responsibility to adhere to this principle of academic integrity. Plagiarism undermines academic integrity and is not tolerated at UNSW. *Plagiarism at UNSW is defined as using the words or ideas of others and passing them off as your own.*

Plagiarism is a type of intellectual theft. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. UNSW has produced a website with a wealth of resources to support students to understand and avoid plagiarism, visit: [student.unsw.edu.au/plagiarism](http://student.unsw.edu.au/plagiarism). The Learning Centre assists students with understanding academic integrity and how not to plagiarise. They also hold workshops and can help students one-on-one.

You are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow

sufficient time for research, drafting and the proper referencing of sources in preparing all assessment tasks.

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 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](http://www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf)

## 10. ~~Administrative~~ matters

All students are expected to read and be familiar with School guidelines and policies, available on the intranet. In particular, students should be familiar with the following:

[Attendance](#)

[UNSW Email Address](#)

[Computing Facilities](#)

[Special Consideration](#)

[Exams](#)

[Approved Calculators](#)

[Academic Honesty and Plagiarism](#)

[Student Equity and Disabilities Unit](#)

[Health and Safety](#)

[Lab Access](#)

[Makerspace](#)

[UNSW Timetable](#)

[UNSW Handbook](#)

[UNSW Mechanical and Manufacturing Engineering](#)

