

Source Outline

2. Important links

[Moodle](#)

<https://teams.microsoft.com/>

[UNSW Mechanical and Manufacturing Engineering](#)

[Course Outlines](#)

[Student intranet](#)

[UNSW Mechanical and Manufacturing Engineering Facebook](#)

[UNSW Handbook](#)

3. Course details

Credit Points

This is a 6 unit-of-credit (UoC) course, and involves 5 hours per week of face-to-face contact.

The UNSW website states “The normal workload expectations of a student are approximately 25 hours per semester for each UoC, including class contact hours, other learning activities, preparation and time spent on all assessable work. Thus, for a full-time enrolled student, the normal workload, averaged across the 16 weeks of teaching, study and examination periods, is about 37.5 hours per week.”

This means that you should aim to spend about 9 hours per week 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.

Contact hours

Day	Time	Location
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	Day	Time	Location
	Friday	13:00 – 15:00	Red Centre West M010 (F13A)
Block Tests Wks 4,7,10,13	Monday	6:00pm - 7:00pm	Wks (4,7,10) – Clancy Auditorium Wk 13 – CLB7 and Matthews A



6. Assessment

Assessment overview

Assessment task	Length	Weight	Learning outcomes assessed	Assessment criteria	Due date, time	Deadline for absolute fail	Marks returned
4 x Block Tests	45 mins each	24% (6 marks each)	1, 2, 3, 4	Demonstrating ability under exam conditions	Monday 6-7pm in weeks 4, 7, 10 and 13.	N/A	Within 2 weeks after each test
12 x Weekly PSS and Moodle quiz	Weekly	24% (1+1 marks each week)	1, 2, 3, 4	Weekly problem solving attempts, continued learning.			

Assessment Criteria

PSS Hand-ins:

Students will get 1 mark in the first 15 minutes of class for each week that they show their demonstrators a complete and reasonable attempt at all hand in questions

An incomplete set of solutions, late arrival or unreasonable attempt will score 0.5 marks

If a student comes late to the PSS or leaves late, their demonstrator will only give them 0.5

If the student brings the PSS Hand-in a week late, they will receive a maximum of 0.5 marks

Zero marks will be awarded for work more than one week late

Block Tests and Final examination:

Use the basic concepts, such as Free-Body Diagrams (FBD) and Equations of Equilibrium (EoE)

Systematic approach to outline the steps for a problem and use the necessary fundamental concepts covered in the lectures and problem solving sessions.

Correctness of the solution with the aid of necessary diagrams/sketches and the use of appropriate units

There are no supplementary block tests. If you miss the block test, you must apply for Special Consideration through the University

All special consideration lodged more than 48 hours after the test date will be rejected without exception

If Special Consideration is granted, the student will be given a calculated mark that is 80% of the mark calculated based on their performance in the other three block tests.

For example, if you score 100% in the three block tests you attend, you would be given 80% for the Block Test you missed

Laboratory Reports:

Interpretation of the experimental results for the required information described in the handout for each experiment

Understanding the relationship between the theory covered during the lectures to experimental results in the laboratory

Presentation of report in accordance with the MECHENG guidelines

Attendance and participation during the laboratory experiments

Final examination:

Use concepts taught throughout weeks 1-

Assignments

Presentation

All submissions are expected to be neat and clearly set out. Your results are the pinnacle of all your hard work and should be treated with due respect. Presenting results clearly gives the marker the best chance of understanding your method; even if the numerical results are incorrect.

Submission

Late submissions will be penalised up to 5 marks per calendar day (including weekends). An extension may only be granted in exceptional circumstances. Special consideration for assessment tasks must be processed through student.unsw.edu.au/special-consideration.

It is always worth submitting late assessment tasks when possible. Completion of the work, even late, may be taken into account in cases of special consideration.

Where there is no special consideration granted, the 'deadline for absolute fail'

You must be available for all tests and examinations. Final examinations for each course are

School's website: <http://www.engineering.unsw.edu.au/mechanical-engineering/>

School student intranet: https://eng-intranet.unsw.edu.au/mechanical-engineering/coursework_students/SitePa92_r88710

Appendix A: Engineers Australia (EA) Competencies

Stage 1 Competencies for Professional Engineers