Course outline

Semester 1 2017

AVEN1920

INTRODUCTION TO AIRCRAFT ENGINEERING

2. Course details

Credit Points

This is a 6 unit-of-credit (UoC) course, and involves 4 hours per week (h/w) 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 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.

Contact hours

	Day	Time	Location
Lectures	Monday		

Engineers Australia Stage 1 Competencies for Professional Engineers do not apply to this course as it is not an engineering course.

3. Teaching strategies

There are two distinct methods of teaching on this course. The first involves the classic lecture approach where the students are introduced to concepts and approaches, and the understanding is assessed using quizzes and internal exams. The other approach uses a combined studio approach: The students are provided with some techniques for calculating aircraft properties, which they then apply to an aircraft they have selected from a provided list.

4. Course schedule

Week	Date	Topic	Lecture Content

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11	15/5	Aeronautics	Future Designs
	16/5	Aero Eng	Energy height methods
12	22/5	Aeronautics	Drones
	23/5	Aero Eng	Environmental Control
13	5/6	Aeronautics	Exam
	6/6	Aero Eng	Submit report

5. Assessment

Assessment	Length	Weight	Due date and submission requirements	Deadline for absolute fail

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' in the table above indicates the time after which a submitted assignment will not be marked, and will achieve a score of zero for the purpose of determining overall grade in the course.

Marking

Marking guidelines for assignment submissions will be provided at the same time as assignment details to assist with meeting assessable requirements. Submissions will be marked according to the marking guidelines provided.

Examinations

You must be available for all tests and examinations. Final examinations for each course are held during the University examination periods, which are June for Semester 1 and November for Semester 2.

Provisional Examination timetables are generally published on myUNSW in May for Semester 1 and September for Semester 2

For further information on exams, please see the Exams section on the intranet.

Calculators

You will need to provide your own calculator, of a make and model approved by UNSW, for the examinations. The list of approved calculators is shown at student.unsw.edu.au/exam-approved-calculators-and-computers

It is your responsibility to ensure that your calculator is of an approved make and model, and to obtain an "Approved" sticker for it from the School Office or the Engineering Student Centre prior to the examination. Calculators not bearing an "Approved" sticker will not be allowed into the examination room.

Special consideration and supplementary assessment

For details of applying for special consideration and conditions for the award of supplementary assessment, see the School intranet, and the information on UNSW's Special Consideration page.

6. Expected resources for students

As this course has a high element of research in it,

You will need to make a lot of use of the library. The website is:
https://www.library.unsw.edu.au/

9. Administrative matters

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

- Attendance, Participation and Class Etiquette
- UNSW Email Address
- Computing Facilities
- Assessment Matters (including guidelines for assignments, exams and special consideration)
- Academic Honesty and Plagiarism
- Student Equity and Disabilities Unit
- Health and Safety
- Student Support Services

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