### Contanto

1.	Staff contact details	2
C	contact details and consultatititing	

Course Outline: AERO3630

# 1. Staff contract details

#### Contact details and consultation times for course convenor

Name: Professor Con Doolan Office location: Ainsworth 408

Tel: (02) 9385 5696

Email: c.doolan@unsw.edu.au

Name: Dr Danielle Moreau Office location: Ainsworth 408

Tel: (02) 9385 5428

Email: d.moreau@unsw.edu.au

For any course administrative matters or to arrange an appointment outside of scheduled teaching and consultation times, please contact Dr Moreau via email.

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

Additional lecturers:

Name: Dr Yendrew Yauwenas Email: <a href="mailto:yendrew@unsw.edu.au">yendrew@unsw.edu.au</a>

Name: Dr Manuj Awasthi

Email: m.awasthi@unsw.edu.au

Name: Dr Jeoffrey Fischer

Email: jeoffrey.fischer@unsw.edu.au

Please see the course Moodle for demonstrator and lab staff information.

# 2. Important links

**Moodle** 

Lab Access

**Health and Safety** 

**Computing Facilities** 

**Student Resources** 

**Course Outlines** 

**Engineering Student Support Services Centre** 

Course Outline: AERO3630



## **Credit points**

This is a 6 unit-of-credit (UoC) course and involves 6 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 15 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	Tuesday	2pm – 4pm	Ainsworth G02	
	Wednesday	9am – 10am	Ainsworth 202	
Demonstrations	Wednesday	10am – 12pm	Ainsworth 202	
	Wednesday	10am - 12pm	Ainsworth G02	
Lab	Tuesday	4pm – 6pm	UTL (weeks 2, 5, 8, 9 only)	

Please refer to your class timetable for the learning activities you are enrolled in and attend only those classes.

## **Summary and Aims of the course**

This course will focus on the fundamental principles and application of aerodynamics – the science and engineering of flight. The course aims to (1) provide the understanding you need to communicate with other aerospace engineers regarding aerodynamic matters, (2) analyse the aerodynamic performance of aerospace vehicles and (3) provide the basis for further advanced study of aerodynamics in your career. If I can give you an appreciation of the excitement and beauty of aerodynamics, then I will regard this course as a success.

## Student learning outcomes

This course is designed to address the learning outcomes below and the corresponding Engineers Australia Stage 1 Competency Standards for Professional Engineers as shown. The full list of Stage 1 Competency Standards may be found in Appendix A.

After successfully completing this course, you should be able to:

Learning Outcome		EA Stage 1 Competencies	
1.	Use the basic principles of fluid motion to describe aerodynamic phenomenon	PE 1.1, 1.2, 3.4	

Analyse and predict the low speed aerodynamic

WK Topic L

Course Outline:

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** 

Course Outline: AERO3630



# Stage 1 Competencies for Professional Engineers

# **Program Intended Learning Outcomes**