



UNSW

# Course Outline

Semester 1 2015

**AVEN1920**

## **INTRODUCTION TO AIRCRAFT ENGINEERING**

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## Course Outline

### AVEN1920 Introduction to Aircraft Engineering

#### 1. COURSE STAFF

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

Dr Naomi Tsafnat  
Room EE 464D  
Tel (02) 9385 6158  
Fax (02) 9663 1222  
Email [n.tsafnat@unsw.edu.au](mailto:n.tsafnat@unsw.edu.au)

Consultation concerning this course is primarily by email. If you would like to meet please email to schedule a meeting time. Minor matters can be discussed after class.

##### Contact details and consultation times for additional lecturers and tutorial/laboratory teaching staff

A/Prof N A Ahmed  
Room EE 464K  
Tel (02) 9385 4080  
Fax (02) 9663 1222  
Email [n.ahmed@unsw.edu.au](mailto:n.ahmed@unsw.edu.au)

Dr S. Kanapathipillai  
Room EE 467  
Tel (02) 9385 4251  
Fax (02) 9663 1222  
Email [s.kanapathipillai@unsw.edu.au](mailto:s.kanapathipillai@unsw.edu.au)

#### 2. COURSE DETAILS

##### Units of credit

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

T@ UNSW, approximately 25 hours per semester for each UoC, including class contact hours, [c@| |^æ} ð \* æcãã, ]|^ ææã} æ ð cã ^ • ]^} c[ } æ| æ • ^ • æ| ^, [ | \ . +

For a standard 24 UoC in the semester, this means s t57e-3(is )-20121(2)-3(5(@)-3(f) 3(p)-3y



UNSW graduates will be

1. Scholars who are:
  - (a) understanding of their discipline in its interdisciplinary context
  - (b) capable of independent and collaborative enquiry
  - (c) rigorous in their analysis, critique, and reflection
  - (d)



## Book Report

You are required to choose **one** book from the following list, and submit a report on it. The books are available in the UNSW book shop, and some copies are available at the library. Other options are to purchase the book elsewhere or borrow it from any other library.

The books are:

1. R. Bach, *A Gift of Wings*
2. R. Bach, *Stranger to the Ground*
3. E. K. Gann, *Fate is the Hunter*
4. C. Yeager, *An Autobiography*
5. L. Kessler, *The Happy Bottom Riding Club: The Life and Times of Pancho Barnes*

The report should be written in an **essay** style. In your report, include the following:

A brief outline of the book .





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 submitting work that is not your own, will be dealt with 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 a honours thesis) even suspension from the university. The Student Misconduct Procedures are available here:

<http://www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf>

Further information on School policy and procedures in the event of plagiarism is presented in a School handout, *Administrative Matters for All Courses*, available on the School website.

## 7. COURSE SCHEDULE

Aerodynamics (Assoc. Prof. N.A. Ahmed)  
 Mechanics (Dr Kana Kanapathipillai)  
 Aeronautical Engineering (Dr N. Tsafnat)

<b>Week</b>	<b>Mechanics</b>	<b>Aerodynamics</b>	<b>Aeronautical Engineering</b>
	Fri 14:00 . 16:00 Colombo Theatre B (B16 LG04)	Fri 14:00 . 16:00 Colombo Theatre B (B16 LG04)	Mon 12:00 . 14:00 OMB K15 room 149
1	Forces		Course intro Lecture 1
2	Forces		Lecture 2
3	Moments		Le



meetings. Your feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

## **10 ADMINISTRATIVE MATTERS**

You are expected to have read and be familiar with [\*Administrative Matters for All Courses\*](#), available on the School website. This document contains important information on student responsibilities and support, including special consideration, assessment, health and safety, and student equity and diversity.

*N. Tsafnat*  
20 February 2015