Mechanical and Manufacturing Engineering

Course Outline

Term 3, 2018

Contents

1. Staff contact

Contact details and consultation times for course convenor

Name: Dr John Olsen
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6. [redacted]

Assessment overview

Assessment	Group Project? (# Students per group)	Length	Weight	Learning outcomes assessed	Assessment criteria	Due date and submission requirements	Deadline for absolute fail	Marks returned
Mechanics class test	No	One hour	30%	All	All course content up to the date of the assignments.	11th July	There is no supplementary	Two weeks after submission
Assignment 1	No	Roughly 5 pages	20%	All	-	17th June	One week after the due date	28th June
Assignment 2	No	Roughly 10 pages	20%	All	All course content from weeks 1-12 inclusive.	29th July	One week after the due date	Two weeks after submission
Final class test	No	One hour	30%	All	All course content from weeks 1-12 inclusive.	12th August	There is no supplementary	Upon release of final results
TOTAL			100%					

All assessment materials can be found on Moodle. Assignment One will uploaded to Moodle in Week Two, while Assignment Two will uploaded to Moodle in Week Seven. The length of the assignment solutions will depend on you, but you need to show all working.

You will be assessed by a final examination as well as your continuous participation in completing two assignments. They will involve calculations. The assessments are based to allow you to obtain an understanding of the material being taught and will allow you to apply the concepts learnt in the course. In order to achieve a PASS (PS) in this course, you need to achieve a total mark of at least 50%.

Assignments

For further information on exams, please see the Exams webpage.

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 available 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 ñApprovedò sticker for it from the Engineering Student Supper Services Centre prior to the examination. Calculators not bearing an ñApprovedò sticker will not be allowed into the examination room.

Special consideration and supplementary assessment

If you have experienced an illness or misadventure beyond your control that will interfere with your assessment performance, you are eligible to apply for Special Consideration prior to submitting an assessment or sitting an exam.

Please note that UNSW now has a Fit to Sit / Submit rule, which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit enough to do so and cannot later apply for Special Consideration.

For details of applying for Special Consideration and conditions for the award of supplementary assessment, please see the information on UNSWôs Special Consideration page.

7. [redacted]

Textbooks

A.Tewari, 2016, Basic Flight Mechanics, Springer.

Suggested reading

J.L. Meriam & L.G. Kraige, 2003, Engineering Mechanics, Statics, 5th

N. Cumpsty & A. Heyes, 2015, *Jet Propulsion. A simple guide to the aerodynamic and thermodynamic design and performance of jet engines*, 3rd edition, Cambridge University Press.

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

Additional materials provided in Moodle

This course has a website on UNSW Moodle which includes:

course notes
assignments
consultation notes

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 having more markers that will be used this year to speed up the return of the two major class assignments to students.

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. 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