SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINE

T F S N , 2020

ENGG2400 MECHANICS OF SOLIDS

COURSE DETAILS	
Units of Credit	6
Contact hours	6 hours per week
Class	

	Javier Videla	Friday 1pm – 3pm
Ainsworth G01	Thiha Htoo Zaw Sheila Sun	Friday 1pm – 3pm
Ainsworth 101	Ryan Chanaka Siriwardane Patricia Kesuma	Friday 3pm – 5pm
Morv B G3	Ahmad Jafari Javier Videla	Friday 3pm – 5pm

Lecturers	Associate Professor Mario M. Attard		Weeks 1 to 5
	Email: m.attard@unsw.edu.au	CE604	Phone: +61 2 9385 5075
	Associate Lecturer Daniel O'Shea		Weeks 6 to 9
	Email: d.oshea@unsw.edu.au		Phone: +61 2 9385 5306
Online Coordinator	Dr. Xiaojun Chen		

Week	Topic & Lecture Content & Workshop Content Lectures: 2 x 2hrs	Assessment Workshops: 2hrs	Online Learning Moodle Module
1 – 19th Feb	Introduction. Geometric Properties of Cross -Sections. Transformation of coordinates, Second Moment of Area, Parallel Axis Theorem, Principal section properties, Mohr's circle.	Class Workshops Start	Cross -section Properties & Transformation ;
2 -24th Feb	Concept of Stress . Stresses due to Axial Force; Equilibrium of Stresses; Plane Stress; Stress Transformation, Principal Stresses. Mohr's circle of Stress; Concept of Strain; Plane Strain;	Online 1 – Quiz	Stress Transformation ; S

Riley, W., Sturges L. and Morris D. (2007), Mechanics of Materials, 6th Edition, John Wiley & Sons.

Websites with Learning Modules

www.mdsolids.com

https://web.mst.edu/~mecmovie/

Technology Enabled Learning and Teaching Website and login to Moodle

http://telt.unsw.edu.au/
https://moodle.telt.unsw.edu.au/login/index.php

Pearson MasterEngineering

http://www.pearsonmylabandmasteringengineering.com/northamerica/masteringengineering/

UNSW Library Database

Access Engineering – platform of e-books, videos and interactive tables and graphs.
Look at the Curriculum Map and select "Strength of Materials"

DATES TO NOTE

Refer to MyUNSW for Important Dates available at:

https://student.unsw.edu.au/dates

PLAGIARISM

Beware! An assignment that includes plagiarised material will receive a 0% Fail, and students who plagiarise may fail the course. Students who plagiarise are also liable to disciplinary action, including exclusion from enrolment.

Plagiarism is the use of another person's work or ideas as if they were your own. When it is necessary or desirable to use other people's material you should adequately acknowledge whose words or ideas they are and where you found them (giving the complete reference details, including page number(s)). The Learning Centre provides further information on what constitutes Plagiarism at:

https://student.unsw.edu.au/plagiarism

COURSE EVALUATION AND DEVELOPMENT

The School of Civil and Environmental Engineering evaluates each course each time it is run through (i) the MyExperience Surveys, and (ii) Focus Group Meetings.

As part of the MyExperience process, your student evaluations on various aspects of the course are graded; the Course Coordinator prepares a summary report for the Head of School. Any problem areas are identified for remedial action, and ideas for making improvements to the course are noted for action the next time that the course is run.

Focus Group Meetings are conducted by the four-Year Managers (academic staff) for any students who wish to attend, in each year of the civil and/or environmental engineering programs. Student comments on each course are collected and disseminated to the Lecturers concerned, noting any points which can help improve the course.

ACADEMIC ADVICE

For information about:

- Notes on assessments and plagiarism,
- School policy on Supplementary exams,
- Special Considerations, student.unsw.edu.au/special-consideration
- Solutions to Problems,
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