Overview

This course introduces students to structural analysis and computer modelling of structures. Revision of Mechanics of Solids; the principles and requirements of structural analysis of indeterminate trusses and simple frames; structural idealisation; determinacy; principles of virtual work; the force method (flexibility analysis). Stiffness method (displacement method) of analysis for beams and frames; second order behaviour of frames; software applications; moment distribution applied to continuous beams and non-sway frames; limit analysis.
Faculty
Faculty of Engineering

School
School of Civil and Environmental Engineering

Study Level
Undergraduate

Offering Terms
Term 2

Campus
Kensington

Indicative contact hours
5

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisites: (ENGG1300 AND ENGG2400) OR (CVEN1300 AND CVEN2301) (Prerequisite only applicable to UG cohort taking this course).
Equivalent Courses

CVEN3301 6 UOC
Structural Analysis and Modelling
Course Outline

To access course outline, please visit:

CVEN2303 Course Outline
Fees

Commonwealth Supported Students $1170
Domestic Students $5790
International Students $5790

DISCLAIMER
Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the fee website.

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty. Fees for courses delivered through UNSW Global are published and charged by UNSW Global and thus appear as "Not Applicable" on this site.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179