Overview

A course in advanced mechanics of structures and materials for higher degree research students, and graduate students that require, or desire, a higher capability in the application of elasticity, plasticity and fracture to analysis of structures and structural materials. The course includes lectures in the following: scalar, vector and tensor calculus as it relates to the analysis of structures and materials; elasticity; plasticity; and fracture of brittle materials such as cementitious materials, fibre reinforced concrete and bond.

This course is intended for PhD and Masters by research students requiring higher level knowledge in Engineering Mechanics; it is available by application to the School of Civil and Environmental Engineering. Students undertaking a Masters by coursework degree in Civil Engineering (Program 8338) that desire a higher level of knowledge of engineering mechanics may apply. In this case it is a requirement of entry that a minimum of 12 uoc of specialisation courses in plan 8338 (Structural Engineering) have been completed with a minimum of a credit average achieved.
Faculty
Faculty of Engineering

School
School of Civil and Environmental Engineering

Study Level
Research

Offering Terms
Term 2

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
3

Timetable
Visit timetable website for details
**Fees**

**Commonwealth Supported Students**  Not Applicable  
**Domestic Students**  Not Applicable  
**International Students**  $6000

**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)

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