Course

Advanced Topics in Geotechnical Engineering
CVEN4202 | 6 Units of Credit

Overview

Topic 1: Application of computer simulation techniques to geotechnical engineering problems. The course will cover mathematical model, finite-difference method for steady-state seepage and consolidation analysis; finite element method for steady-state seepage flow, transient seepage flow, stress analysis, consolidation analysis, staged construction and excavations; modelling techniques; applications of commercial finite-element packages; convergence study and error estimation. Topic 2: an introduction to the fundamentals of critical state soil mechanics and soil plasticity.
Faculty
Faculty of Engineering

School
School of Civil and Environmental Engineering

Study Level
Postgraduate

Offering Terms
Term 2

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
5

Timetable
Visit timetable website for details
Course Outline

To access course outline, please visit:

CVEN4202 Course Outline
**Fees**

Commonwealth Supported Students  $1191  
Domestic Students  $4470  
International Students  $5910

**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