



Course

Geotechnical Models and Site Investigation

CVEN9511

6 Units of Credit

Overview

Geotechnical features of geological environments including igneous, volcanic, metamorphic, sedimentary and carbonate. Geological structure and environmental effects including; stress, valley bulging, tectonic setting, glaciation, weathering and alteration; and Holocene geology. Geomorphology, the surface expression of the underlying geology and geological processes. Total geology and geotechnical engineering models. Planning of site investigations and the parameters required, drilling, trenching and in-situ permeability of soil and rock. In-situ testing of soil, including SPT, CPT, piezocone, vane shear. Laboratory testing of soil including triaxial, direct shear and ring shear. Field instrumentation for pore pressure and displacement. Geotechnical mapping. Geological, structural, geotechnical, geomorphological, air photo, specialised vector maps and landslides.

Faculty

Faculty of Engineering

School

School of Civil and Environmental Engineering

Study Level

Postgraduate

Offering Terms

Term 1

Campus

Kensington

Indicative contact hours

3

Timetable

[Visit timetable website for details](#)

Course Outline

To access course outline, please visit:

[CVEN9511 Course Outline](#)

Fees

Commonwealth Supported Students \$1170

Domestic Students \$4350

International Students \$5730

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.

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)

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