Overview

This course aims to provide students with the basic knowledge required to undertake geotechnical investigations.

The course is arranged as two parts, Soil Mechanics and Rock Mechanics. In Soil Mechanics and Rock Mechanics, the principles of analysis of stress and strain are adapted to the requirements of engineering design in soil and rock.

The topics covered in the course include:

- Basics of materials behaviour; stress-strain, failure criteria, stress and strain tensors.
- Basic Soil Mechanics; phase relationships, soil classification, effective stress, seepage, consolidation, compaction, retaining structures.
- Basic Rock Mechanics rock material behaviour, joints, rock mass strength and deformability.
- Applications of geomechanics to simple mining problems involving soil and rock.
Faculty
Faculty of Engineering

School
School of Minerals & Energy Resources Engineering

Study Level
Undergraduate

Offering Terms
Term 1

Campus
Kensington

Indicative contact hours
4

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: ENGG2400 OR CVEN2301 OR MINE2310
Course Outline

To access course outline, please visit:

MINE3310 Course Outline
Fees

Commonwealth Supported Students  $1191
Domestic Students  $5970
International Students  $5970

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)
CRICOS Provider Code 00098G
ABN: 57 195 873 179