Overview

Introduction to mining rock mechanics and the rock mechanics context within new and operating underground mines. Basic physical principles applied to rock mechanics and geotechnical engineering in an underground mining environment. Elasticity and stress; rock properties and methods of determination; rock response to load; failure modes; time-dependency; stiffness; energy release; rock mass characterisation; geological environment and structure; stress environment and methods of determination; hydro-geological environment; soft rock/soil mechanics considerations.
Faculty
Faculty of Engineering

School
School of Minerals & Energy Resources Engineering

Study Level
Postgraduate

Offering Terms
Term 1

Campus
Kensington

Indicative contact hours
3

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: Enrolment in MINENS5059 or MINEUS8059 or MINESS5040
Course Outline

To access course outline, please visit:

MINE5010 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)

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