Overview

This course aims to provide students with the advanced knowledge to apply soil and rock mechanics to the solution of complex underground and surface mining problems.

At the end of this course the student will:

- Have a higher level understanding of rock mass behaviour and failure mechanisms in underground rock excavations;
- Develop a theoretical understanding and some practical skills in computational modelling and design methodologies for underground rock mechanics problems;
- Understand the mechanics and applications associated with dynamic geotechnical events in relation to blasting and high stress environments;
- Develop an understanding of various specialist geotechnical design applications;
- Have a detailed understanding of the geotechnical engineering issues associated with open pit mine slopes, tailings dams and other surface or near-surface infrastructure.
Faculty
Faculty of Engineering

School
School of Minerals & Energy Resources Engineering

Study Level
Undergraduate

Indicative contact hours
4

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: MINE4310
Course Outline

To access course outline, please visit:

MINE4320 Course Outline
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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