Coal Mining Methods, Mine Planning and Applied Geomechanics

MINE5040  |  6 Units of Credit

Overview

Range of mining methods used in underground coal mining and the core geotechnical parameters and criteria that effect the choice or application of the methods. Mine entry systems (drifts, shafts etc); pillar mechanics and design procedures; geomechanics of longwall mining; caving mechanics, periodic weighting, windblasts; outbursts and rock bursts/bumps; pillar extraction; highwall mining; mine subsidence mechanics and design; geotechnical equipment considerations; mine planning considerations; geotechnical design methodologies (methods, excavations, pillars etc). A range of case studies will supplement this course content.
**Faculty**
Faculty of Engineering

**School**
School of Minerals & Energy Resources Engineering

**Study Level**
Postgraduate

**Offering Terms**
Term 3

**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:

MINE5040 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.

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