Overview

This course deals with the theoretical principles and practical methodologies associated with mine planning and project evaluation techniques. Mine planning is an iterative process entailing elements of design, scheduling and project evaluation. As part of the planning process a range of issues has to be considered including, short and long term planning, mine optimisation, cut-off grade analysis and mining valuation. The course presents principles of surface and underground mine planning and valuation for metalliferous and coal mining projects.

This course covers the following broad topics:

- Holistic Mine Planning Process: Review
- Mining Strategy: Block economic value; Ultimate pit optimisation; Mining sequence and scheduling; Project scheduling; Cutoff grade theory; Linear programming
- General Project Risks: Identifying project risks
- Mine Project Evaluation: Financial Technical Modeling; Construction of FTM; Project financing
- Mine Planning & Evaluation Case Studies: Metalliferous case studies; Coal case studies
Faculty
Faculty of Engineering

School
School of Minerals & Energy Resources Engineering

Study Level
Undergraduate

Offering Terms
Term 2

Campus
Kensington

Indicative contact hours
4

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: MINE3220
Course Outline

To access course outline, please visit:

MINE3230 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