Overview

This is an introductory course in metallurgical processing, designed for students with no prior training in this area. Students are not expected to become expert practitioners in the field, but to learn enough about the concepts and processes to work effectively with metallurgists and to manage projects that include metallurgical operations.

The course begins with an overview of the discipline of metallurgy, and describes the various drivers for metallurgists working in operating plants or in project design. Topics covered include comminution, physical separation, coal preparation, flotation, leaching, CIP and solvent extraction. Some basic analytical tools and a wide range of metallurgical terms and concepts are covered. There will be material on the interfaces between the mining department and the mill and smelter. Key sustainability issues are also examined briefly, including the drive to reduce energy use in crushing and grinding, reduce water usage across all areas of processing, and minimise environmental damage.
<table>
<thead>
<tr>
<th>Faculty</th>
<th>Faculty of Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>School</td>
<td>School of Minerals &amp; Energy Resources Engineering</td>
</tr>
<tr>
<td>Study Level</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>Offering Terms</td>
<td>Term 3</td>
</tr>
<tr>
<td>Campus</td>
<td>Kensington</td>
</tr>
<tr>
<td>Delivery Mode</td>
<td>Fully on-site</td>
</tr>
<tr>
<td>Indicative contact hours</td>
<td>5</td>
</tr>
<tr>
<td>Timetable</td>
<td>Visit timetable website for details</td>
</tr>
</tbody>
</table>
Conditions for Enrolment

Prerequisite: PHYS1131 OR MATS1101 OR GEOS111
Exclusion Courses

GEOS3141  |  6 UOC
Mineral and Energy Resources
Course Outline

To access course outline, please visit:

MINE2810 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. 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
© UNSW Sydney (CRICOS Provider No.: 00098G), 2019. The information contained in this Handbook is indicative only. While every effort is made to keep this information up-to-date, the University reserves the right to discontinue or vary arrangements, programs and courses at any time without notice and at its discretion. While the University will try to avoid or minimise any inconvenience, changes may also be made to programs, courses and staff after enrolment. The University may also set limits on the number of students in a course.

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