Course

Design and Application of Materials in Science and Engineering

MATS1192

6 Units of Credit

The design of materials for applications in industry and society including, for example, metallurgical, electronic, medical, packaging and transport. Microstructure and structure-property relationships of the main types of engineering materials (metals, ceramics, polymers and composites); micromechanisms of elastic and plastic deformation; fracture mechanisms for ductile and brittle materials, phase equilibria of alloys; microstructural control and application to commercial engineering materials. Information retrieval. Communication skills. Plant visits. Introductory materials laboratories. Application of fundamental learning to problem-solving.
**Faculty**  
Faculty of Science

**School**  
School of Materials Science & Engineering

**Study Level**  
Undergraduate

**Offering Terms**  
Term 1, Term 3

**Campus**  
Kensington

**Delivery Mode**  
Partially online

**Indicative contact hours**  
4

**Timetable**  
Visit timetable website for details
Exclusion Courses

MATS1101 | 6 UOC
Engineering Materials and Chemistry
Course Outline

To access course outline, please visit:

MATS1192 Course Outline
### Fees

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commonwealth Supported Students</td>
<td>$1170</td>
</tr>
<tr>
<td>Domestic Students</td>
<td>$5760</td>
</tr>
<tr>
<td>International Students</td>
<td>$5760</td>
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**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