Physical Chemistry: Molecules, Energy and Change

CHEM2011  |  6 Units of Credit

Overview

Physical Chemistry seeks to explain chemical processes in terms of energy changes and the molecular nature of matter. This course introduces quantum mechanics and its role in determining the energy levels of atoms and molecules, followed by the physical basis for understanding the factors affecting reaction rates, the role of reaction mechanisms, and molecular theory of reaction rates. The course then introduces the molecular basis underpinning the laws of thermodynamics and their applications in chemistry, with specific attention given to the application of thermodynamics to electrochemical processes. To complete, the course introduces the surface and colloid chemistry which explains many important natural and technologically important phenomena.
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<tr>
<th><strong>Faculty</strong></th>
<th>Faculty of Science</th>
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<tbody>
<tr>
<td><strong>School</strong></td>
<td>School of Chemistry</td>
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<tr>
<td><strong>Study Level</strong></td>
<td>Undergraduate</td>
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<td><strong>Offering Terms</strong></td>
<td>Term 2</td>
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<td><strong>Campus</strong></td>
<td>Kensington</td>
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<tr>
<td><strong>Delivery Mode</strong></td>
<td>Fully on-site</td>
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<td><strong>Indicative contact hours</strong></td>
<td>8</td>
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<td><strong>Timetable</strong></td>
<td>Visit timetable website for details</td>
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Conditions for Enrolment

Prerequisite: CHEM2041
Course Outline

To access course outline, please visit:

CHEM2011 Course Outline
Fees

Commonwealth Supported Students $1170
Domestic Students $5760
International Students $5760

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