Overview

Machine learning (ML) is the algorithmic approach to learning from data. This course provides an introduction to core ideas and techniques in ML, covering theoretical foundations, algorithms, and practical methodology. Algorithms for supervised and unsupervised learning are covered, including regression, classification, neural networks, tree learning, kernel methods, clustering, dimensionality reduction, ensemble methods, and large-scale ML. Students will be given hands-on experience on applying ML algorithms to real problems and datasets.
Faculty
Faculty of Engineering

School
School of Computer Science and Engineering

Study Level
Postgraduate

Offering Terms
Term 2, Term 3

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
5

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: COMP9020 and COMP9024
Course Outline

To access course outline, please visit:

COMP9417 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>$4350</td>
</tr>
<tr>
<td>International Students</td>
<td>$5730</td>
</tr>
</tbody>
</table>

**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
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