Handbook

Course

Software Engineering Fundamentals

COMP1531 | 6 Units of Credit

Overview

This course provides an introduction to software engineering principles: basic software lifecycle concepts, modern development methodologies, conceptual modeling and how these activities relate to programming. It also introduces the basic notions of team-based project management via conducting a project to design, build and deploy a simple web-based application. It is typically taken in the semester after completing COMP1511, but could be delayed and taken later. It provides essential background for the teamwork and project management required in many later courses.

The goal of this course is to expose the students to:

- basic elements of software engineering: including requirements elicitation, analysis and specification; design; construction; verification and validation; deployment; and operation and maintenance
- data modelling
- software engineering methodologies, processes, measurements, tools and techniques
- Web-based system architecture and development practices on Web platforms
Faculty
Faculty of Engineering

School
School of Computer Science and Engineering

Study Level
Undergraduate

Offering Terms
Term 1, Term 3

Campus
Kensington

Indicative contact hours
7

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: COMP1511 or DPST1091 or COMP1917 or COMP1921
## Exclusion Courses

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<tr>
<th>Course</th>
<th>UOC</th>
<th>Description</th>
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<tbody>
<tr>
<td>SENG1031</td>
<td>6</td>
<td>Software Engineering Workshop 1</td>
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<td>SENG1020</td>
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<td>Software Engineering Workshop 1B</td>
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<td>SENG1010</td>
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Course Outline

To access course outline, please visit:

COMP1531 Course Outline
### Fees

<table>
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<th>Student Type</th>
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<tr>
<td>Commonwealth Supported Students</td>
<td>$1191</td>
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<tr>
<td>Domestic Students</td>
<td>$5970</td>
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<tr>
<td>International Students</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.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Additional Information

This course is offered as General Education.
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