Data Structures and Algorithms

COMP2521 | 6 Units of Credit

Overview

The goal of this course is to deepen students' understanding of data structures and algorithms and how these can be employed effectively in the design of software systems. We anticipate that it will generally be taken in the second year of a program, but since its only pre-requisite is COMP1511, is it possible to take it in first year. It is an important course in covering a range of core data structures and algorithms that will be used in context in later courses.

Topics:
An introduction the structure, analysis and usage of a range of fundamental data types and the core algorithms that operate on them, including: algorithm analysis, sorting, searching, trees, graphs, files, algorithmic strategies, analysis and measurement of programs. Labs and programming assignments in C, using a range of Unix tools.
Faculty
Faculty of Engineering

School
School of Computer Science and Engineering

Study Level
Undergraduate

Offering Terms
Term 1, Term 2, Term 3

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
7

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: COMP1511 or DPST1091 or COMP1917 or COMP1921
Exclusion Courses

COMP1927 | 6 UOC
Computing 2
Course Outline

To access course outline, please visit:

COMP2521 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.

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