Overview

The course considers the requirements for electronic payment systems and how these requirements are realised using distributed ledger technologies. The technical ideas studied include the key cryptographic constructs, economic incentive mechanisms and distributed algorithms underpinning cryptocurrencies such as Bitcoin and Ethereum. The concept of smart contract will be introduced, and the course aims to develop a basic facility with programming smart contracts on one cryptocurrency platform. The course also aims to introduce students to the broader context of the range of alternate designs for distributed ledger technologies, the range of potential applications for these technologies, and the socio-economic, ethical and legal dimensions of their use.
Faculty
Faculty of Engineering

School
School of Computer Science and Engineering

Study Level
Postgraduate

Offering Terms
Term 1

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
4

Timetable
Visit timetable website for details
Conditions for Enrolment

Pre-requisite: COMP2521 OR COMP9024
Course Outline

To access course outline, please visit:

COMP6451 Course Outline
**Fees**

Commonwealth Supported Students  $1191  
Domestic Students  $4470  
International Students  $5910  

**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