ELEC 2019 WORKSHOP ON REASONING ABOUT PROGRAMS

Credit Points 10

Legacy Code 301347

Coordinator Richard Yang (https://directory.westernsydney.edu.au/search/name/Richard Yang/)

Description This unit will be offered at Engineering Innovation Hub - Hassall St, Parramatta campus. The goal of this unit is to develop skills in writing precise specifications of software programs and to translate these specifications into correct implementations. Further methods for reasoning about programs are introduced, including methods for reasoning about termination, program refinement and data refinement. Students learn to apply these ideas to structure their thinking about programs as well as to build a web application within a project context.

School Eng, Design & Built Env

Discipline Computer Engineering

Student Contribution Band HECS Band 2 10cp

Check your HECS Band contribution amount via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 2 subject

Pre-requisite(s) ELEC 2018

Assumed Knowledge

Discrete mathematics, particularly predicate calculus
Programing in procedural language (C, Python or Java)
Competence with Unix commands, and interacting with the operating system.

Teaching Periods