



Prescription

This course is concerned with the development of correct software, especially the use of formal requirements and specifications to develop high-integrity software. This has applications in several areas, such as safety-critical systems (e.g. commercial airliners, space systems, etc) and high-performance concurrent systems. The course will examine a range of principles and techniques which underpin a rigorous approach to the specification and implementation of software. A sequence of assignments and labs will see a range of tools being used to specify small software systems, and to check that they meet their requirements. NB: this course is first running in 2019.

Course learning objectives

Withdrawal from Course

Withdrawal dates and process:

<https://www.victoria.ac.nz/students/study/course-additions-withdrawals>

Lecturers

Lindsay Groves (Coordinator)

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260 Cotton, Kelburn

Teaching Format

Dates (trimester, teaching & break dates)

- Teaching: 08 July 2019 - 13 October 2019
- Break: 19 August 2019 - 01 September 2019
- Study period: 14 October 2019 - 17 October 2019
- Exam period: 18 October 2019 - 09 November 2019

Class Times and Room Numbers

08 July 2019 - 18 August 2019

- **Monday** 14:10 - 15:00 – LT101, Maclaurin, Kelburn
- **Wednesday** 14:10 - 15:00 – LT101, Maclaurin, Kelburn

02 September 2019 - 13 October 2019

- **Monday** 14:10 - 15:00 – LT101, Maclaurin, Kelburn
- **Wednesday** 14:10 - 15:00 – LT101, Maclaurin, Kelburn

Set Texts and Recommended Readings

Required

There are no required texts for this offering.

Mandatory Course Requirements

If you believe that exceptional circumstances may prevent you from meeting the mandatory course requirements, contact the Course Coordinator for advice as soon as possible.

Assessment

Assessment Item	Due Date or Test Date	CLO(s)	Percentage
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Workload

Teaching Plan

Links to General Course Information

- Academic Integrity and Plagiarism: <https://www.victoria.ac.nz/students/study/exams/integrity-plagiarism>
- Academic Progress: <https://www.victoria.ac.nz/students/study/progress/academic-progress> (including restrictions and non-engagement)
- Dates and deadlines: <https://www.victoria.ac.nz/students/study/dates>
- Grades: <https://www.victoria.ac.nz/students/study/progress/grades>
- Special passes: Refer to the Assessment Handbook, at <https://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf>
- Statutes and policies, e.g. Student Conduct Statute: <https://www.victoria.ac.nz/about/governance/strategy>
- Student support: <https://www.victoria.ac.nz/students/support>
- Students with disabilities: https://www.victoria.ac.nz/st_services/disability/
- Student Charter: <https://www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter>
- Terms and Conditions: <https://www.victoria.ac.nz/study/apply-enroll/terms-conditions/student-contract>

- Turnitin: <http://www.cad.vuw.ac.nz/wiki/index.php/Turnitin>
- University structure: <https://www.victoria.ac.nz/about/governance/structure>
- VUWSA: <http://www.vuwsa.org.nz>

Offering CRN: [30044](#)

Points: 15

Prerequisites: COMP 103; ENGR 123 or MATH 161; 30 200-level COMP/NWEN/SWEN points;

Restrictions: SWEN 224

Duration: 08 July 2019 - 10 November 2019

Starts: Trimester 2

Campus: Kelburn