



Prescription

The course builds on basic programming skills, addressing more complex programming and core programming concepts and techniques, including collection data structures, inheritance and object orientation, fundamental algorithms and data structures, exceptions, testing, version control.

Course learning objectives

Students who pass this course should be able to:

1. Implement small object-oriented programs using language features such as inheritance, polymorphism, generics, and exceptions.
2. Select appropriate collection data types for a program based on their properties and efficiency.
3. Comprehend, test, and debug Java programs using a range of software engineering tools.
4. Work in a team on programming tasks.

Withdrawal from Course

Withdrawal dates and process:

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

Lecturers

Michael Homer (Coordinator)

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130 Cotton, Kelburn

Ali Ahmed

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Teaching Format

This is a full time block course.

Student feedback

Student feedback on University courses may be found at:
www.cad.vuw.ac.nz/feedback/feedback_display.php

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

Set Texts and Recommended Readings

Required

There are no required texts for this offering.

Mandatory Course Requirements

In addition to achieving an overall pass mark of at least 50%, students must:

- Obtain at least 40% on at least 3 of the programming assignments.

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

This course will be internally assessed through the following. It is possible that some items may shift between weeks to accommodate teaching progress.

Assessment Item	Due Date or Test Date	CLO(s)	Percentage
Assignment 1	Week 1	CLO: 1,2,3	25%
Assignment 2	Week 2	CLO: 1,2,3	25%
Assignment 3	Week 5	CLO: 1,2,3,4	25%
Group Project	Week 6	CLO: 1,2,3,4	25%

Penalties

Assessments will generally be in-class and due on the day, and will not be accepted afterwards without special arrangement. For any items to be submitted outside of class time late penalties will apply: any assignment submitted up to 24 hours after the deadline will be penalised by 20%, and any assignment submitted between 24 and 48 hours after the deadline will be penalised by 40%. Any assignment

submitted 48 hours or more after the deadline will not be marked and will get 0 marks.

Extensions

Individual extensions will only be granted in exceptional personal circumstances, and should be negotiated with the course coordinator before the deadline whenever possible. Documentation (eg, medical certificate) may be required.

Submission & Return

Work will be submitted via the ECS submission system (<https://apps.ecs.vuw.ac.nz/submit/SWEN501>). Work submitted via the online system will be returned electronically once marked.

Workload

SWEN 501 is a full-time intensive course. You should expect to be on-site from 10am each teaching day. If you are unable to attend a teaching day, contact the lecturer or course coordinator as soon as possible.

Teaching Plan

See https://ecs.victoria.ac.nz/Courses/SWEN501_2019T2/TeachingSchedule

Communication of Additional Information

All online material for this course can be accessed at https://ecs.victoria.ac.nz/Courses/SWEN501_2019T2/

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: **[28340](#)**

Points: 15

Duration: 08 July 2019 - 10 November 2019

Starts: Trimester 2

Campus: ICT Graduate School (NEC)