

# SWEN131 (2018) - Programming for Software Development

## Prescription

This course is the primary entry point for graduate students wishing to enter the Master of Software Development program within the Wellington ICT Graduate School. Students will learn to design, read, write and debug small programs and work on larger software projects within groups while applying software development methodologies and tools. The course will be taught as an intensive full time, 4 week block course and a good performance in this course will meet the MSwDev entry requirement 1(a)(ii) demonstrated a basic level of competence in programming.

## Course learning objectives

Students who pass this course should be able to:

1. use the basic terminology of computer programming
2. read, write, compile and debug small programs in the Java language
3. use and understand different data types in a computer program
4. design programs involving decision structures, loops and functions
5. use and understand basic object-oriented principles and techniques
6. use programming tools such as an integrated development environment (IDE), debugger, and code repository
7. work effectively in groups to construct software

## Withdrawal from Course

Withdrawal dates and process:

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

## Lecturers

---

**Karsten Lundqvist (Coordinator)**

karsten.lundqvist@vuw.ac.nz 04 4635233 ext 8018

116 Easterfield, Kelburn

---

**Michael Homer**

michael.homer@vuw.ac.nz 04 463 5233 ext 4034

115 Easterfield, Kelburn

## Teaching Format

## Dates (trimester, teaching & break dates)

- Teaching: 11 June 2018 - 06 July 2018

# Class Times and Room Numbers

## 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

## 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/](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-enrol/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:** [28443](#)

**Points:** 15

**Prerequisites:** Applied for MSwDev

**Restrictions:** COMP 102, 103, 112;

**Duration:** 11 June 2018 - 06 July 2018

**Starts:** Trimester block dates

**Campus:** Kelburn