Programming for Software Development - Course Outline
SWEN 131: 2016 Trimester 1

This document sets out the workload and assessment requirements for SWEN 131. It also provides contact information for staff involved in the course. If the contents of this document are altered during the course, you will be advised of the change by an announcement in lectures and/or on the course web site. A printed copy of this document is held in the School Office.

SWEN131 is an intensive full-time 4 week course. Taught in a computer laboratory with the focus on practical programming exercises and projects utilising a software development process. Teaching/tutorial components interspersed as needed. Lecturers/Tutors will be present for most of the time. Each project will take a total of about 30 hours; the assessment workload below recognises that part of each project will include the teaching, tutorial and exercise components along with the construction and presentation of the assessed software artifacts. It is intended that all work for the course can be accomplished in the lab during the scheduled contact hours.

Objectives

By the end of the course, students 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

A schedule of lecture topics, readings, and assignment due dates is available online

Lectures for SWEN 131 are: Mo - Thu 10 to 5 and Fri 10-12.

Assignments and Projects

	Assessment items and workload per item	%	CLO(s)
1	Three group oriented programming projects, 20% each, 20 hours each. Each project will involve some group work, total group assessment component will not exceed 20% of the overall course grade.	60%	1 – 7
2	Individual programming project, 20 hours	20%	1 – 5
3	Reflective essay, 20 hours.	20%	1,4,5,7

Workload

In order to maintain satisfactory progress in SWEN 131, you should plan to spend an average of at least 37.5 hours per week on this paper.

School of Engineering and Computer Science

The School office is located on level three of the Cotton Building (Cotton 358).

The notice board for SWEN 131 is located on the second floor of the Cotton Building.

Staff

The course organiser for SWEN 131 is Kris Bubendorfer. The lecturers for the course are David Streader and Michael Homer. Their contact details are:

- Kris Bubendorfer
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- +64 4 463 5233 x 8485
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Announcements and Communication

The main means of communication outside of lectures will be the SWEN 131 web area at http://ecs.victoria.ac.nz/Courses/SWEN131_2016T1/. There you will find, among other things, this document, the lecture schedule and assignment handouts, and the SWEN 131 Forum. The forum is a web-based bulletin board system. Questions and comments can be posted to the forum, and staff will read these posts and frequently respond to them.

Practical Work

A schedule of assignments is available online

Plagiarism

Working Together and Plagiarism

We encourage you to discuss the principles of the course and assignments with other students, to help and seek help with programming details, problems involving the lab machines. However, any work you hand in must be your own work.

The School policy on Plagiarism (claiming other people's work as your own) is available from the course home page. Please read it. We will penalise anyone we find plagiarising, whether from students currently doing the course, or from other sources. Students who knowingly allow other students to copy their work may also be penalised. If you have had help from someone else (other than a tutor), it is always safe to state the help that you got. For example, if you had help from someone else in writing a component of your code, it is not plagiarism as long as you state (eg, as a comment in the code) who helped you in writing the method.

Mandatory Course Requirements

All students are required to submit the reflective essay.

Any student who is concerned that they have been (or might be) unable to meet any of the MCRs because of exceptional personal circumstances, should contact the course coordinator as soon as possible.

Passing SWEN 131

To pass SWEN 131, a student must satisfy mandatory requirements and gain at least a **C-** grade overall.

Withdrawal

It is unclear how withdrawal regulations will be applied to this course. TBC.

Rules & Policies

Find key dates, explanations of grades and other useful information at http://www.victoria.ac.nz/home/study.

Find out about academic progress and restricted enrolment at http://www.victoria.ac.nz/home/study/academic-progress.

The University's statutes and policies are available at http://www.victoria.ac.nz/home/about/policy, except qualification statutes, which are available via the Calendar webpage at http://www.victoria.ac.nz/home/study/calendar (See Section C).

Further information about the University's academic processes can be found on the website of the Assistant Vice-Chancellor (Academic) at http://www.victoria.ac.nz/home/about/avcacademic

All students are expected to be familiar with the following regulations and policies, which are available from the school web site:

Grievances
Student and Staff Conduct
Meeting the Needs of Students with Disabilities
Student Support

The School of Engineering and Computer Science strives to anticipate all problems associated with its courses, laboratories and equipment. We hope you will find that your courses meet your expectations of a quality learning experience.

If you think we have overlooked something or would like to make a suggestion feel free to talk to your course organiser or lecturer.

Course Outline as PDF