

Web Information Systems Engineering - Course Outline

SWEN 433: 2016 Trimester 1

This document sets out the workload and assessment requirements for SWEN 433. 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.

Objectives

This course gives a technology-centered introduction to web information systems and services. After successful completion of the course, students are able to:

1. explain basic concepts used in building and managing web information systems,
2. understand architectural principles and technological standards underlying web information systems,
3. understand concepts, methods and technologies for managing distributed data in web information systems,
4. evaluate and critically discuss web information systems, and elaborate on research challenges.

Objectives 1, 2, 3 develop the ability to synthesize efficient solutions to complex engineering problems (BE graduate attribute 3(b)).

Objective 4 develops competence in understanding of the limitations of web information methods and techniques, and a recognition when further study is needed for solving the problem (BE graduate attribute 2(b), BE graduate attribute 3(f), BE graduate attribute 3(e), and BE graduate attribute 3(d)), respectively.

Textbook

There is no mandatory textbook for SWEN 433. You will be assigned a list of academic articles as mandatory readings, which are listed at schedule. You are also expected to find additional material on the internet or via the university library. In the lecture notes of the first week, you will find a list of recommended textbooks for supplementary information.

Lectures, Tutorials, Laboratories, and Practical work

SWEN 433 is a trimester 1 course. The trimester starts on 29 February. The examination period at the end of the course is 10 June - 29 June.

A schedule of lecture topics, mandatory readings, and assignments due dates is available online. Lectures for SWEN 433 take place as follows:

| Day | Time | Room |
|----------|---------------|-------|
| Monday | 13:10 - 14:00 | CO119 |
| Thursday | 13:10 - 14:00 | CO119 |

Note: There are no tutorials and help desk for this course.

Assignments and Projects

The course has three Assignments: an assignment, a presentation and an essay.

The presentation will involve a team of two students reading and discussing a paper selected from a list of academic articles provided. Each team will give a presentation on their paper at a scheduled time. Each team member must fairly contribute to the presentation and will receive an individual mark for her/his presentation.

Each student will submit an essay on a question related to the selected paper. Writing the essays will help students to understand the state-of-the-art of research on Web Information Systems, including research trends, research methods, and research challenges. The essay must be submitted electronically in PDF format. Each student will receive an individual mark for her/his essay.

In addition, each student must write and submit short Paper Reports on the mandatory readings at the beginning of the respective lecture. All assessment components contribute to all objectives.

Bachelor of Engineering students should be aware that copies of their assessed work may be retained for inspection by the accreditation panel.

Workload

In order to maintain satisfactory progress in SWEN 433, you should plan to spend an average of at least 10 hours per week on this paper. A plausible and approximate breakdown for these hours would be:

- Lectures: 2 hrs
- Readings: 4 hrs
- Assignments: 4 hrs

School of Engineering and Computer Science

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

Staff

The course organiser for SWEN 433 is [Hui Ma](#). Her details are:

- [Hui Ma](#)
- [Cotton 259](#)
- +64 4 463 5657
- Hui.Ma@ecs.vuw.ac.nz

The Class Rep for SWEN 433 this year is:

- [Joseph Henshaw](mailto:henshajose@myvuw.ac.nz): henshajose@myvuw.ac.nz

Announcements and Communication

The main means of communication outside of lectures will be the SWEN 433 web area at http://ecs.victoria.ac.nz/Courses/SWEN433_2016T1/. There you will find, among other things, this document, the [lecture schedule](#) and [assignment handouts](#), and the [SWEN 433 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.

Assessment

Your grade for SWEN 433 will be determined based on the following assessment weightings:

| <u>Assignment Component</u> | <u>Weight</u> |
|-----------------------------|---------------|
| Paper Reports | 5% |
| Assignment | 5% |
| Presentation | 15% |
| Essay | 25% |
| Final Examination | 50% |

Assignment submission is due at 18 April. The essay submission is due at 27 May. Details of the essay, including page limit, can be found at [assignment handouts](#). Assignment submitted after the due date and Essay submitted after 31 May will be penalized at the rate of 10% per day (a weekend counts as one day). Approval to submit the assignment late without penalty will only be granted in exceptional circumstances and if the arrangement is made prior to the due date. Any medical excuse must be accompanied by a doctor's certificate.

Presentations are scheduled to start from Week 7/8. If you miss your scheduled presentation time, you will lost the chance to receive marks for the presentation. Approval to reschedule the presentation without penalty will only be granted in exceptional circumstances and if the arrangement is made prior to the due date.

Final Exam

The [timetable for final examinations](#) will be available from the University web site and will be posted on a notice board outside the faculty office. The final examination will be 2 hours long. No computers, electronic calculators or similar device will be allowed in the final examination. Paper non-English to English dictionaries will be permitted. The examination period for trimester 1 is 10 June - 29 June.

Policies and penalties for late submission

Late submissions will incur an automatic penalty of 10% of the final mark per day. Any request for an extension must be made to the lecturer in charge *prior* to the due date. Any extensions requested on the basis of medical grounds must be supported by a doctor's certificate.

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

You must hand in satisfactory paper summaries for at least 80% of the assigned readings, actively engage in the group discussions, prepare and perform your presentation in class, submit the essay, and sit the final exam.

Passing SWEN 433

To pass SWEN 433, a student must satisfy mandatory requirements and gain at least a **C-** grade overall.

Withdrawal

The last date for withdrawal from SWEN 433 with entitlement to a refund of tuition fees is Friday 11 March 2016. The last date for withdrawal without being regarded as having failed the course is Friday 13 May 2016 -- though later withdrawals may be approved by the Dean in special circumstances.

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](#)

[Academic Integrity and Plagiarism](#)

[Dates and Deadlines including Withdrawal dates](#)

[School Laboratory Hours and Rules](#)

[Printing Allocations](#)

[Expectations of Students in ECS courses](#)

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](#)