



Prescription

This course gives a technology-centered introduction to web information systems and services. On successful completion of the course students are able to explain basic concepts used in building and managing web information systems. They know central technological standards underlying web information systems and web services, understand architectural principles, and are able to evaluate and critically discuss such systems.

Course learning objectives

Students who pass this course should be able to:

1. Explain 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.

Course content

The course is primarily offered in-person, but there will also be a remote option and there will be online alternatives for all the components of the course for students who cannot attend in-person.

Students taking this course remotely must have access to a computer with camera and microphone and a reliable high speed internet connection that will support real-time video plus audio connections and screen sharing. Students must be able to use Zoom; other communication applications may also be used. A mobile phone connection only is not considered sufficient. The computer must be adequate to support the programming required by the course: almost any modern windows, macintosh, or unix laptop or desktop computer will be sufficient, but an Android or IOS tablet will not.

If the assessment of the course includes tests, the tests will generally be run in-person on the Kelburn campus. There will be a remote option for students who cannot attend in-person and who have a strong justification (for example, being enrolled from overseas).

The remote test option will use Zoom for online supervision of the tests and you must be able to use Zoom with a camera, microphone, and screen-sharing. Students who will need to use the remote test option must contact the course coordinator in the first two weeks to get permission and make arrangements.

Withdrawal from Course

Withdrawal dates and process:

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

Lecturers

Hui Ma (Coordinator)

hui.ma@vuw.ac.nz 04 4635657

259 Cotton, Kelburn

Teaching Format

This course will be offered in-person and online. For students in Wellington, there will be a combination of in-person components and web/internet based resources. It will also be possible to take the course entirely online for those who cannot attend on campus, with all the components that are provided in-person also made available online.

Details are:

During the first part of the trimester, there will be two in-person lectures per week. During the second part of the trimester, there will be three in-person presentation sessions per week.

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: 05 July 2021 - 08 October 2021
- Break: 16 August 2021 - 29 August 2021
- Study period: 11 October 2021 - 14 October 2021
- Exam period: 15 October 2021 - 06 November 2021

Class Times and Room Numbers

05 July 2021 - 15 August 2021

- **Monday** 13:10 - 14:00 – 205, Te Toki a Rata, Kelburn
- **Tuesday** 16:10 - 17:00 – 106, Alan MacDiarmid Building, Kelburn

30 August 2021 - 10 October 2021

- **Monday** 13:10 - 14:00 – 205, Te Toki a Rata, Kelburn
- **Tuesday** 16:10 - 17:00 – 106, Alan MacDiarmid Building, Kelburn
- **Wednesday** 17:10 - 18:00 – 120, Easterfield, Kelburn

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:

- hand in satisfactory paper summaries for at least 80% of the assigned readings, and
- prepare and deliver your presentation to the class.

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 assessed through the following:

Assessment Item	Due Date or Test Date	CLO(s)	Percentage
Assignment 1 - Reports	Week 2-12	CLO: 1,2,3,4	10%
Test	Week 7	CLO: 1,2,3,4	30%
Assignment 2 - Presentation	Week 7-12	CLO: 1,2,3,4	20%
Assignment 3 - Discussion and Peer Review	Week 2-12	CLO: 1,2,3,4	5%
Assignment 4 - Essay	Week 11	CLO: 1,2,3,4	35%

Penalties

Late submissions will incur an automatic penalty of 5% of the final mark per day.

Extensions

Approval to submit assignments 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. Assignments that are more than one week late will not be marked.

Presentations are scheduled to start from Week 7. If you miss your scheduled presentation time, you will lose 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.

Submission & Return

Assignments and reports will be submitted via the electronic submission system that can be accessed via <https://apps.ecs.vuw.ac.nz/submit/SWEN433>. Marks and comments will be returned through the ECS marking system or via the course web pages.

Workload

In order to maintain satisfactory progress in SWEN 433, you should plan to spend an average of 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

Teaching Plan

See: https://ecs.wgtn.ac.nz/Courses/SWEN433_2021T2/LectureSchedule

Communication of Additional Information

The main means of communication outside of lectures will be the SWEN 433 web area at https://ecs.wgtn.ac.nz/Courses/SWEN433_2021T2/. 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.

Links to General Course Information

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

Offering CRN: [18671](#)

Points: 15

Prerequisites: SWEN 304, 15 further 300-level COMP, NWEN or SWEN pts;

Restrictions: COMP 443

Duration: 05 July 2021 - 07 November 2021

Starts: Trimester 2

Campus: Kelburn