



Prescription

This course covers principles of human-computer interaction that underlie good design of software user interfaces. Advanced topics are introduced with a focus on current research areas.

Course learning objectives

Students who pass this course will be able to:

1. place research on HCI in the context of previous research and contemporary issues.
2. utilise user-testing techniques to evaluate a software system's user interface.
3. demonstrate knowledge of key HCI challenges in the use of information visualisation, gestures and VR/AR systems.
4. develop a software system that utilises information visualisation techniques
5. reflect on the quality of their own and other work.

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: a reasonably powerful 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

Simon McCallum (Coordinator)

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230 Cotton, Kelburn

Craig Anslow

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132 Cotton, Kelburn

Jennifer Ferreira

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131 Cotton, Kelburn

Teaching Format

This course will be offered in-person and online. For students in Wellington, there will be in-person discussion sessions which will be live streamed and recorded, as well as online videos and reading material. It will be possible to take the course entirely online for those who cannot attend on campus, with all the components provided in-person also made available online.

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** 16:10 - 17:00 – LT118, Laby, Kelburn
- **Wednesday** 16:10 - 17:00 – LT118, Laby, Kelburn

30 August 2021 - 10 October 2021

- **Monday** 16:10 - 17:00 – LT118, Laby, Kelburn
- **Wednesday** 16:10 - 17:00 – LT118, Laby, Kelburn

Other Classes

Online interaction is an important part of the course and students are expected to work together online during the Trimester.

Set Texts and Recommended Readings

Required

There are no required texts for this offering.

Mandatory Course Requirements

There are no mandatory course requirements for this course.

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:

- Assignment 1: Group Project
- Assignment 2: Group Project
- Assignment 3: Essay

While there is significant group work in the course, the large majority of assessment will be based on individual contributions and critical reflections.

Assessment Item	Due Date or Test Date	CLO(s)	Percentage
A1: Small Group Assignment	end of week 5	CLO: 3,4	30%
A2: Small Group Assignment	during week 10	CLO: 2,3,4	30%
A3: Essay	during week 13	CLO: 2,3,4	40%

Penalties

The penalty for late work will be 10% shrinking cap per day after the due date, unless there has been prior negotiation. Shrinking cap reduces maximum mark per day so after 3 days the maximum mark is 70%(B) but C+ work will receive a C+ grade.

Extensions

Request for extensions must be submitted before the assessment deadline. A medical certificate may be required for medical-based extensions.

Submission & Return

All software assets and documents for the deliverables must be submitted via the School's online submission system, accessible through the course web pages. Marks and comments will be returned through the ECS marking system, also available through the course web pages.

Group Work

There are two group projects in the course. In each assignment, 25% of the mark will be a group mark awarded to all contributing students. The other 75% of the mark will be an individual mark awarded based on the contribution and critical reflection demonstrated by the student.

Peer Assessment

During week 10 of the course, student groups will deliver a presentation to the class either in-person or online. Groups will be placed into super-sets of three groups. Each group will be peer-evaluated by the other two groups in their super-set. Every peer evaluation will in turn be evaluated by the course staff.

Workload

In order to maintain satisfactory progress in SWEN 422, 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
- Readings: 2
- Assignments: 6

Teaching Plan

See: https://ecs.wgtn.ac.nz/Courses/SWEN422_2021T2/LectureSchedule

Communication of Additional Information

All online material for this course can be accessed at https://ecs.wgtn.ac.nz/Courses/SWEN422_2021T2/

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: [18662](#)

Points: 15

Prerequisites: one of (COMP 313, SWEN 303, 325).

Duration: 05 July 2021 - 07 November 2021

Starts: Trimester 2

Campus: Kelburn

