

School of Engineering and Computer Science

Te Kura Mātai Pūkaha, Pūrorohiko



Prescription

This course introduces a range of important concepts and topics across Computer Science, Software Engineering and Network Engineering. Students will also gain a solid foundation of programming skills in object oriented programming. The course is an entry point to the BE(Hons) and BSc in Computer Science for students who already have basic programming skills.

Course learning objectives

Students who pass this course should be able to:

1. Understand, design, and construct programs using the Java language, a variety of libraries and an object-oriented design approach.

Course content

2022: The course is primarily offered in-person, and there are components such as tests, labs, tutorials, and marking sessions which require in-person attendance. There will be remote alternatives for all the components of the course, but these are only available to students studying from outside the Wellington region. The remote option for tests will use a Zoom-based system (or similar) for online supervision of the tests.

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.

Withdrawal from Course

Withdrawal dates and process:

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

Lecturers

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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 provided in-person also made available online. All students who are able to are expected to attend the tests in-person; students must have a good justification and obtain permission from the course coordinator to take the tests by distance.

During the trimester there will be three lectures and two lab 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: 28 February 2022 - 03 June 2022
- Break: 11 April 2022 - 24 April 2022
- Study period: 06 June 2022 - 09 June 2022
- Exam period: 10 June 2022 - 25 June 2022

Class Times and Room Numbers

28 February 2022 - 10 April 2022

- **Monday** 13:10 - 14:00 – LT323, Hunter, Kelburn
- **Thursday** 13:10 - 14:00 – LT323, Hunter, Kelburn
- **Friday** 13:10 - 14:00 – LT323, Hunter, Kelburn

25 April 2022 - 05 June 2022

- **Monday** 13:10 - 14:00 – LT323, Hunter, Kelburn
- **Thursday** 13:10 - 14:00 – LT323, Hunter, Kelburn
- **Friday** 13:10 - 14:00 – LT323, Hunter, Kelburn

Other Classes

Each student should sign up for and attend two weekly 1 hour lab sessions. The timetable is available through the 'Timetable' link on the course web pages: https://ecs.wqtn.ac.nz/Courses/COMP102_2022T1

We also have optional workshops and help desks. More details are given on our web site.

Set Texts and Recommended Readings

Required

There are no required texts for this offering.

Recommended

There are no recommended textbooks for the course.

Mandatory Course Requirements

In addition to achieving an overall pass mark of at least 50%, students must:

- Attain at least a **D** in at least 8 of the lab assignments. Reason: the practical skills involved in being able to write and debug programs are an essential component of COMP 112.

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 ten assignments and two tests. The first test will be online in week 7. It will be a 1-hour test, which is available during a one day period. The 2nd test will be 2 hours long in the assessment period of the trimester.

Assessment Item	Due Date or Test Date	CLO(s)	Percentage
Assignments	weekly	CLO: 1	30%
Test 1	week 7	CLO: 1	20%
Test 2 (2 hours)	Assessment period	CLO: 1	50%

Penalties

LATE DAY POLICY (for Assignments). Each student will have ONE LATE DAY which you may choose to use for any assignment or assignments during the course. Please note that these 24 hours are for the whole course, not for each assignment. So you have on average 2.4 late hours for each assignment. There will be no penalty applied for these hours. You do not need to apply for them, instead any late hours you have left will be automatically applied to assignments that you submit late. You get zero marks for late assignments when you run out of these late hours, unless you have made arrangements on the basis of exceptional circumstances with the course coordinator.

Model solutions to the core parts of the assignments will be made available in the lab after one day of the submission time. These will allow you to review and assess your own work, and also build on the model solutions for the next assignment. Comparing your work to the provided solutions is an important part of the learning. Note that this means that assignments submitted after the solutions are made available will generally not be marked, unless you have made arrangements on the basis of exceptional circumstances with the course coordinator.

Extensions

Individual extensions will only be granted in exceptional personal circumstances, and should be negotiated with the course coordinator before the deadline whenever possible. Documentation (eg, medical certificate) may be required.

Submission & Return

All work is submitted through the ECS 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

Students may work in pairs on the core and completion parts of the assignments, as long as they declare who they worked with on the assignment. The challenge parts of the assignments must be worked on individually.

Required Equipment

Students completing the course remotely **must** have adequate computer and internet resources. For students in Wellington, the School does have lab computers, but students who need to use these computers for their assignments may have to use them during the evenings and weekends; it will be a significant advantage to have access to your own computer. The 'Resources' link on the course web pages https://ecs.wgtn.ac.nz/Courses/COMP102_2022T1 provides resources to make it easy for students to work on the programming assignments on their own computers.

Workload

COMP 112 is a 15pt course and therefore has nominal total workload of 150 hours. In order to maintain satisfactory progress in COMP 112, you should plan on spending 10 hours per week on this course. A plausible and approximate breakdown for these hours would be:

- Lectures: 3 hours
- Reading and preparation: 1 hour
- Lab Sessions: 2 hours
- Further work on the assignment outside the lab session: 4 hours

Teaching Plan

See the 'COMP112 Schedule' link on the course web pages:
https://ecs.wgtn.ac.nz/Courses/COMP102_2022T1/Schedule_112

Communication of Additional Information

The main means of communication outside of lecture will be the COMP 112 web site at https://ecs.wgtn.ac.nz/Courses/COMP102_2022T1/.

Please note that we have merged COMP112 web site with COMP102 web site. There will be one web site for both courses, with the same submission systems, forum, online help etc. The only difference is that we have two lecture streams, one for 102 and one for 112.

The forum is a web-based bulletin board system. Questions, comments, and responses can be posted to the forum. Staff will read the forum posts and will frequently respond to them also. You should make a bookmark to the course home page because you will need to access it frequently.

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-enroll/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: [26034](#)

Points: 15

Prerequisites: 14 AS level 3 NCEA credits in Digital Technology including 6 credits in Computer Programming, or COMP 132, or equivalent programming experience

Restrictions: COMP 102

Duration: 28 February 2022 - 26 June 2022

Starts: Trimester 1

Campus: Kelburn