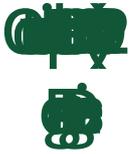


# School of Engineering and Computer Science

Te Kura Mātai Pūkaha, Pūrorohiko



## Prescription

This course introduces the fundamentals of programming in a high-level programming language (Java), using an object oriented approach to program design. Students develop their programming skills by constructing computer programs for a variety of applications. The course provides a foundation for all later courses in computer science, and develops programming skills useful for students in many other disciplines.

## Course learning objectives

Students who pass this course should be able to:

1. Read, comprehend, design, and construct small programs using the Java programming language and an object-oriented design approach.

## Course content

2022 Summer:

The summer (Tri 3) offering of this course is designed for in-person enrolment with closely integrated lectures and labs (11-4:30 on Mon, Wed, Fri). Students who cannot attend the lectures, labs, and tests in-person will not receive the planned learning experience, support and feedback from the lecturers and tutors.

Although the lectures will be recorded and zoomed for students who need to be studying remotely, only limited lab support can be provided to online students. Note that the labs are the central learning activity of the course!

Tests are designed to be taken in-person, and a remote option for the tests will only be 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 planning to take 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 be enough.

## Required Academic Background

None. (Any background in programming is obviously helpful, but is neither expected nor required).

## Withdrawal from Course

Withdrawal dates and process:

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

## Lecturers

### Dr Peter Andreae (Coordinator)

Peter.Andreae@vuw.ac.nz 04 463 5834

## Teaching Format

There will be in-person lectures at the beginning and end of each of the three days, with an in-person lab for 3 hours between the lectures. The lectures and labs are very closely connected and it will be important to attend them all.

## Student feedback

Student feedback on University courses may be found at:

[http://www.cad.vuw.ac.nz/feedback/feedback\\_display.php](http://www.cad.vuw.ac.nz/feedback/feedback_display.php)

## Dates (trimester, teaching & break dates)

- Teaching: 14 November 2022 - 22 December 2022

## Class Times and Room Numbers

### 14 November 2022 - 25 December 2022

- **Monday** 11:00 - 11:50 – LT205, Hugh Mackenzie, Kelburn
- **Monday** 15:30 - 16:20 – LT205, Hugh Mackenzie, Kelburn
- **Wednesday** 11:00 - 11:50 – LT205, Hugh Mackenzie, Kelburn
- **Wednesday** 15:30 - 16:20 – LT205, Hugh Mackenzie, Kelburn
- **Friday** 11:00 - 11:50 – LT205, Hugh Mackenzie, Kelburn
- **Friday** 15:30 - 16:20 – LT205, Hugh Mackenzie, Kelburn

## Other Classes

Lectures are 11-12 and 3:30 to 4:30 and the labs are 12:30-3:30 on Mon, Wed, Fri. Because it is a compressed course, it is important to attend all the lab sessions.

## Set Texts and Recommended Readings

### Required

There are no required texts for this offering.

## Recommended

The course does not have a required text book.

There is a recommended text which may be a useful reference for both COMP 102 and 103, but the courses do not follow the text book closely.

- [JavaFoundations: Introduction to Program Design and Data-Structures](#) by Lewis, DePasquale and Chase. (There is an electronic version available for about \$65 for 4 months.)

## Mandatory Course Requirements

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

- Submit reasonable attempts for at least 4 out of the 5 assignments.  
(As a general indication, a mark of at least 40% will count as a reasonable attempt, but assignments showing genuine engagement with the assignment may be accepted even with a lower mark)

*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

Assessment Item	Due Date or Test Date	CLO(s)	Percentage
Assignment 1	21 Nov	CLO: 1	4%
Test 1	25 Nov	CLO: 1	10%
Assignment 2	28 Nov	CLO: 1	6%
Test 2	2 Dec	CLO: 1	10%
Assignment 3	5 Dec	CLO: 1	6%
Test 3	9 Dec	CLO: 1	10%
Assignment 4	12 Dec	CLO: 1	6%
Test 4	16 Dec	CLO: 1	10%
Final Test	21 Dec	CLO: 1	30%
Assignment 5	22 Dec	CLO: 1	8%

## Penalties

**Trimester 3: 2022:** LATE DAY POLICY (for Assignments). Each student will have ONE "LATE DAY" - 24 hours of automatic extension which will be applied to any assignment or assignments during the course, as needed. 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.

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

**Extension policy for assignments.** Each student will have ONE "LATE DAY" - 24 hours of automatic extension which will be applied to any assignment or assignments during the course, as needed. 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.

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.

## Submission & Return

Assignments submitted after the deadline (but still within the "late hours") may not be marked and returned as quickly.

## Workload

The course is a total of 150 hours. That means it will take 25 hours per week. The lectures and labs will be 15 hours each week; you will need to spend an additional 10 hours per week outside the scheduled lectures and labs to complete the assignments and to study for the tests.

## Teaching Plan

See the schedule on the [course web pages](#):

## Communication of Additional Information

The primary means of communication outside of lecture will be the COMP 102 web site at [https://ecs.wgtn.ac.nz/Courses/COMP102\\_2022T3/](https://ecs.wgtn.ac.nz/Courses/COMP102_2022T3/). There you will find, among other things, more details about course requirements, the course schedule (with links to copies of the lecture slides), details and resources for the assignments, and the assignment submission system. You should make a bookmark to the course home page because you will need to access it frequently.

Announcements will be made via the COMP 102 course on Canvas/Nuku. Recordings of lectures will also be available via Canvas/Nuku

## Links to General Course Information

- Academic Integrity and Plagiarism: <https://www.wgtn.ac.nz/students/support/student-interest-and-conflict-resolution/academic-integrity>
- 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/](https://www.wgtn.ac.nz/st_services/disability/)
- Student Charter: <https://www.wgtn.ac.nz/learning-teaching/learning-partnerships/student-charter>

- Student Feedback on University courses may be found at: [http://www.cad.vuw.ac.nz/feedback/feedback\\_display.php](http://www.cad.vuw.ac.nz/feedback/feedback_display.php)
- 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>
- The Use of Te Reo Māori for Assessment Policy:  
Victoria University values te reo Māori. Students who wish to submit any of their assessments in te reo Māori must refer to [The Use of Te Reo Māori for Assessment Policy](#)  
He mea nui te reo Māori ki te Whare Wānanga o te Ūpoko o te Ika. Ki te pīrangi koe ki te tuhituhi i ō aro matawai i roto i te reo Māori, tēnā me mātua whakapā atu ki te kaupapa here, [The Use of Te Reo Māori for Assessment Policy](#)
- VUWSA: <http://www.vuwsa.org.nz>

**Offering CRN:** [28225](#)

**Points:** 15

**Restrictions:** COMP 112

**Duration:** 14 November 2022 - 22 December 2022

**Starts:** Trimester 3

**Campus:** Kelburn