

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

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).

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

Ori Atkins (Coordinator)

ori.atkins@vuw.ac.nz 04 463 5520

CO 251 Cotton Building (All Blocks), Gate 7, Kelburn Parade, Kelburn

Teaching Format

The course will be taught via lectures, with material being made available prior to the in-person teaching sessions. Students are expected to review the material before attending the in-person teaching sessions. There will be three practical lab-based workshops a week. The goal of these workshops is for students to engage with the content of the course in an interactive group environment. Time will also be allocated for students to work on assignments with the lecturer present to answer questions.

Outside of the fixed laboratory sessions for COMP 102, you are able to use computers in a variety of places to work on the assignments. Apart from times when particular labs are booked for exclusive use by another course, you are free to use computers in any of the ECS computer laboratories.

Students will be able to ask for help from lecturer on problems with code, via an online help system.

Student feedback

Student feedback on University courses may be found at:
http://www.cad.vuw.ac.nz/feedback/feedback_display.php

Dates (trimester, teaching & break dates)

- Teaching: 08 November 2021 - 19 December 2021

Class Times and Room Numbers

08 November 2021 - 19 December 2021

- **Monday** 09:00 - 09:50 – LT1, Te Toki a Rata, Kelburn
- **Monday** 13:10 - 14:00 – LT1, Te Toki a Rata, Kelburn
- **Wednesday** 09:00 - 09:50 – LT1, Te Toki a Rata, Kelburn
- **Wednesday** 13:10 - 14:00 – LT1, Te Toki a Rata, Kelburn
- **Friday** 09:00 - 09:50 – LT1, Te Toki a Rata, Kelburn
- **Friday** 13:10 - 14:00 – LT1, Te Toki a Rata, Kelburn

Other Classes

There will be three one-hour lab-based sessions each week, in CO219 and CO238.

Set Texts and Recommended Readings

Required

There are no required texts for this offering.

Recommended

Note that the course does not follow the textbook closely, and the text book is not **required**. The suggested textbook is intended to be a resource and to provide you with explanations that will complement the lectures. This textbook matches the course better than any other Java textbooks that we have seen, but other Java textbooks could also be a useful reference if you already have them. Note that this textbook is also the textbook for COMP103.

- *Java Foundations: Introduction to Program Design and Data Structures*, by Lewis, DePasquale, and Chase, 5th Edition, published by Pearson (2019: ISBN-13: 978-0135205976, ISBN-10: 0135205972).

Mandatory Course Requirements

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

- submit reasonable attempts for at least four of the five assignments. A "reasonable attempt" is a **D** (40%) or better. Students who have not met these mandatory requirements will be required to do the make-up programming assignment in order to be able to pass the 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

Your grade for COMP 102 will be based on weekly blackboard quizzes, five assignments, and three practical lab assessments.

Assessment Item	Due Date or Test Date	CLO(s)	Percentage
5 Blackboard Quizzes	Every Monday at 9 am, starting 16 Nov	CLO: 1	5%
Assignment 1	Wednesday, 17 Nov	CLO: 1	5%
Lab Assessment 1	Monday, 22 Nov	CLO: 1	15%
Assignment 2	Wednesday, 24 Nov	CLO: 1	5%
Assignment 3	Wednesday, 1 Dec	CLO: 1	5%
Lab Assessment 2	Monday, 6 Dec	CLO: 1	15%
Assignment 4	Wednesday, 8 Dec	CLO: 1	5%
Assignment 5	Wednesday, 15 Dec	CLO: 1	5%
Lab Assessment 3	Friday, 17 Dec	CLO: 1	40%

Penalties

LATE DAY POLICY (for Assignments). Each student will have THREE "LATE DAYS" - 72 hours of automatic extension which will be applied to any assignment or assignments during the course, as needed. Please note that these 72 hours are for the whole course, not for each assignment. So you have on average 14.4 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

Extensions for assignments will only be granted on the basis of exceptional circumstances, and require approval by the Course Coordinator.

Submission & Return

Blackboard Quizzes

Submission of blackboard quizzes must be completed via Blackboard. Any quiz that is submitted after the due date will receive 0 marks unless an extension has been arranged with the course co-ordinator.

Assignments

Submission of assignments must be done via the ECS online submission system, accessible through the course web pages: https://ecs.wgtn.ac.nz/Courses/COMP102_2021T3/Assignments. Marks and comments will be returned through the ECS marking system, also available through the course web pages.

The policy on late submission is as follows:

- Each assignment will be marked out of 100.
- Each assignment that is late (ie, submitted after the deadline) will receive 0 marks.
- Each student will have 3 "late days" which you may choose to use for any assignment or assignments during the course. There will be no penalty applied for these late days. You do not need to apply for these - any late days you have left will be automatically applied to assignments that you submit late.
- The late days are intended to cover minor illnesses or other personal reasons for being late. You should only ask for extensions in the case of more significant or longer lasting problems (and you may need documentation). Do not waste "late days" on procrastination!

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 are not required to have their own computers, but it helps and [resources](#) are provided to make it easy for students work on the programming assignments on their own computers.

Workload

COMP 102 is a 15pt course and therefore has nominal total workload of 150 hours. In order to maintain satisfactory progress in COMP 102, you should plan on spending at least 25 hours per week on this course. A plausible and approximate breakdown for these hours would be:

- Lectures : 9 hours
- Reading and preparation: 3 hour
- Lab Sessions: 3 hours
- Further work on the assignment outside the lab session: 10 hours

Teaching Plan

See https://ecs.wgtn.ac.nz/Courses/COMP102_2021T3/CourseSchedule

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_2021T3/. 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, ways of getting help, and the assignment submission system. 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: [28225](#)

Points: 15

Restrictions: COMP 112

Duration: 08 November 2021 - 19 December 2021

Starts: Trimester 3

Campus: Kelburn