

COMP102 (2017) - Introduction to Computer Program Design

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

COMP 102 is about the design and construction of computer programs. The course forms a basis for later courses in Computer Science and Engineering, but will also be useful for students who want to learn computer programming but do not intend to study this subject at higher levels.

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.victoria.ac.nz/students/study/course-additions-withdrawals>

Lecturers



Ali Ahmed (Coordinator)

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104 Easterfield, Kelburn



Teaching Format

During the trimester there will be three lectures and two lab sessions per week. There is an optional tutorial.

Dates (trimester, teaching & break dates)

- Teaching: 17 July 2017 - 20 October 2017
- Break: 28 August 2017 - 08 September 2017
- Study period: 24 October 2017 - 26 October 2017
- Exam period: 27 October 2017 - 18 November 2017

Class Times and Room Numbers

17 July 2017 - 27 August 2017

- **Monday** 11:00 - 11:50 – LT102, Maclaurin, Kelburn
- **Wednesday** 11:00 - 11:50 – LT102, Maclaurin, Kelburn
- **Thursday** 11:00 - 11:50 – LT102, Maclaurin, Kelburn

11 September 2017 - 22 October 2017

- **Monday** 11:00 - 11:50 – LT102, Maclaurin, Kelburn
- **Wednesday** 11:00 - 11:50 – LT102, Maclaurin, Kelburn
- **Thursday** 11:00 - 11:50 – LT102, Maclaurin, Kelburn

Set Texts and Recommended Readings

Required

There are no required texts for this offering.

Recommended

- *Java Foundations: Introduction to Program Design and Data Structures*, by Lewis, DePasquale, and Chase, 3rd Edition, published by Pearson (2010: ISBN 0132128810, 2013: 0133370461).

Mandatory Course Requirements

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

- submit reasonable attempts for at least seven of the nine assignments. A "reasonable attempt" is a D (40%) or better. Students who have not met these mandatory requirements will be required to do make-up programming assignments 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 a combined mark for the assignments, the tests, and the examination:

Assignment 1	3/8/17	CLO:	2.2%
Assignment 2	10/8/17	CLO: 1	2.2%
Test 1	Mon 14 August	CLO:	15%
Assignment 3	17/8/17	CLO: 1	2.2%
Assignment 4	14/9/17	CLO: 1	2.2%
Assignment 5	21/9/17	CLO: 1	2.2%
Test 2	TBA: 25/9/17 or 26/9/17	CLO: 1	15%
Assignment 6	28/9/17	CLO: 1	2.2%
Assignment 7	5/10/17	CLO: 1	2.2%
Assignment 8	12/10/17	CLO: 1	2.2%
Assignment 9	22/10/17	CLO: 1	2.2%
Final Examination (2 hours)		CLO: 1	50%

Penalties

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 lecturer or senior tutor. Solutions are usually made available by the beginning of the first lab session after the time the assignment was due (typically 1 hour after the deadline).

Submission & Return

Submission of assignments must be done via the ECS online submission system, accessible through the course web pages: http://ecs.victoria.ac.nz/Courses/COMP102_2017T2/Assignments. Marks and comments will be returned through the ECS marking system, also available through the course web pages.

Group Work

Permitted to work in pairs on Core and Completion of assignment (but not Challenge or Reflection). Not required to work in pairs.

Peer Assessment

none

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 10 hours per week on this course. A plausible and approximate breakdown for these hours would be:

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

Teaching Plan

See http://ecs.victoria.ac.nz/Courses/COMP102_2017T2/CourseSchedule

Communication of Additional Information

The primary means of communication outside of lecture will be the COMP 102 web site at http://ecs.victoria.ac.nz/Courses/COMP102_2017T1/. 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, the COMP 102 Forum, ways of getting help, and the assignment submission system. The forum is a web-based bulletin board system. Questions, comments, and responses can be posted to the forum.

Links to General Course Information

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

Offering CRN: [9792](#)

Points: 15

Restrictions: COMP 112

Duration: 17 July 2017 - 19 November 2017

Starts: Trimester 2

Campus: Kelburn