CompSci 101 - Principles of Programming

### Learning outcomes

#### At the end of this lecture, you will know:

- how to obtain information about CompSci 101,
- which parts of the CompSci 101 assessment contribute to the invigilated practical mark,
- which parts of the CompSci 101 assessment contribute to the theory mark,
- that to pass CompSci 101, both the invigilated practical part of the course and the theory part of the course need to be passed,

and,

• what an algorithm is.

#### Lecture 1 - Introduction

**WELCOME TO** 

COMPSCI 1©1

**Principles of Programming** 

# We are using Canvas

We will be using the Canvas Learning Management system.

### https://canvas.auckland.ac.nz

As well as using Canvas, CompSci 101 has a course website. All the material on the CompSci 101 website can be accessed through Canvas.



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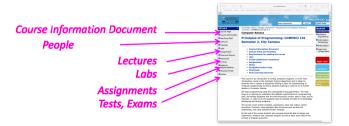


https://www.cs.auckland.ac.nz/courses/compsci101s2c/

# The CompSci 101 website

The CompSci 101 website can be reached by logging onto the Canvas website: https://canvas.auckland.ac.nz

- OR, by going directly to the CompSci 101 website: https://www.cs.auckland.ac.nz/courses/compsci101s2c/
- Here you will find all the information about our course set up.
- Get used to looking at this website for information about lecture slides, lab documents, assignment resources, assessment, people involved in the course and lots more.



# mnSci 101 - Principles of Programming CompSci 101 - Principles of Programmin People in this course People in this course Angela Chang (Lecturer) Ann Cameron (Course Coordinator and Email: a.chang@auckland.ac.nz Lab Supervisor) Phone: 9236620 Email: ann@cs.auckland.ac.nz Room: 303.414 Phone: 9234947 Room: 303.413 CompSci 101 - Principles of Programming CompSci 101 - Principles of Programming People in this course

# **Damir Azhar** (Lecturer)

Email: damir.azhar@auckland.ac.nz Phone: 9232391

Room: 303.411

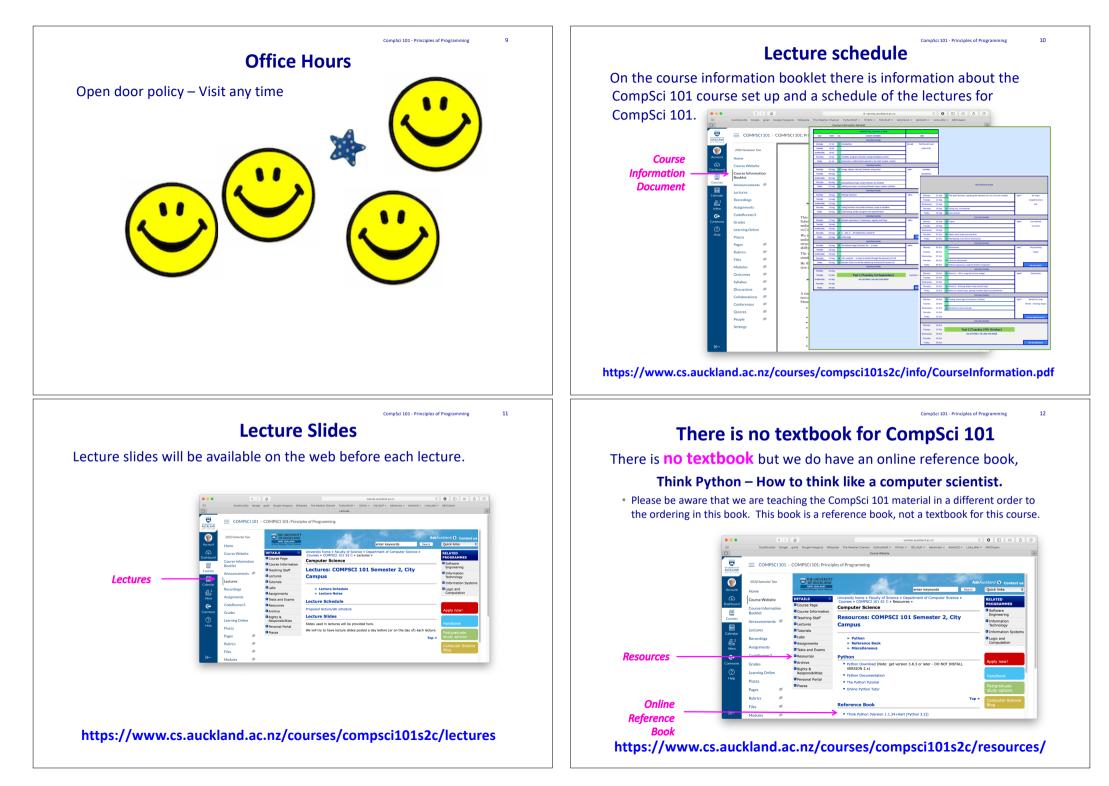


# People in this course

# Adriana Ferraro (Lecturer)

Email: adriana@cs.auckland.ac.nz Phone: 9237113 Room: 303.415





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#### Labs start next week: Monday August 3

- Each week you will have **one two hour** laboratory session.
- You should attend the same lab time each week.
- Labs are held in room 279 (Building 303S) which is on the second floor of the Computer Science building.

Labs



https://www.cs.auckland.ac.nz/courses/compsci101s2c/labs/

# **Before the First Lab**

Visit the lab on Wednesday July 29, between 1pm and 2:30pm.

- Before the first lab you need to complete the lab preparation sheet (I will hand this out).
- In order to complete the sheet you need to visit the CompSci 101 lab.

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#### Labs start next week: Monday August 3

There are 9 labs and each lab is worth 1% of your final mark.

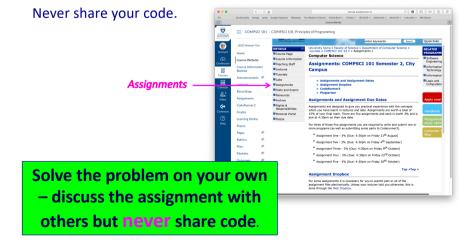
- At your lab time you will be given programming problems to solve within the 2 hours for your lab.
- Lab exercises must be submitted to CodeRunner3 before 4:30pm (NZ Time) on Thursday of each week.



### https://www.cs.auckland.ac.nz/courses/compsci101s2c/labs/

# Assignments

Assignments give you the experience of solving problems on yourown. The assignments are worth 15% of your final mark.



https://www.cs.auckland.ac.nz/courses/compsci101s2c/assignments/

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# Assignments

There are 5 assignments in total worth 15% of your final mark.

All assignments are due at 4:30pm on the due date.

For **parts** of these five assignments, your programs will be handed in using the Assignment Drop Box :

https://adb.auckland.ac.nz/Home/



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For other **parts** of these five assignments you will be required required to write and **submit** one or more programs using **CodeRunner3**.

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https://www.cs.auckland.ac.nz/courses/compsci101s2c/assignments/

# **Timed CodeRunner3 Questions**

There are 9 timed Coderunner3 exercises. Each question (or set of questions) is worth 1% but only your best 6 marks will be counted towards your final grade.

These exercises are timed which means that you will have to develop and implement your solution within a certain amount of time (usually 15 - 30 minutes). Each of these exercises will be closely aligned to each lab.

The timed CodeRunner3 questions (or set of questions) will become available after the end of the sessions for each lab (i.e. after 3pm on Wednesdays) and the Timed exercises must be submitted to CodeRunner3 before 4:30pm (NZ Time) on the Saturday of the same week that the lab is held.

# CodeRunner3

The CodeRunner3 tool is designed to help you practise by presenting you with a set of coding and other exercises. Submissions are graded by running a series of test cases on your code (or short answers) in a sandbox and comparing the output of your code (or short answers) with the expected output. Coderunner3 uses the Moodle learning system.

#### https://www.coderunner3.auckland.ac.nz/moodle/

Information about using CodeRunner3 is available on CompSci 101 Assignments web page:

https://www.cs.auckland.ac.nz/courses/compsci101s2c/assignments/

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# Plagiarism

# **Plagiarism**

**Plagiarism**: Any work that you take credit for, but which is done by someone else. This is treated very seriously in an academic environment.

#### Policy

- All assignments will be checked for copying
- Everyone involved is penalised

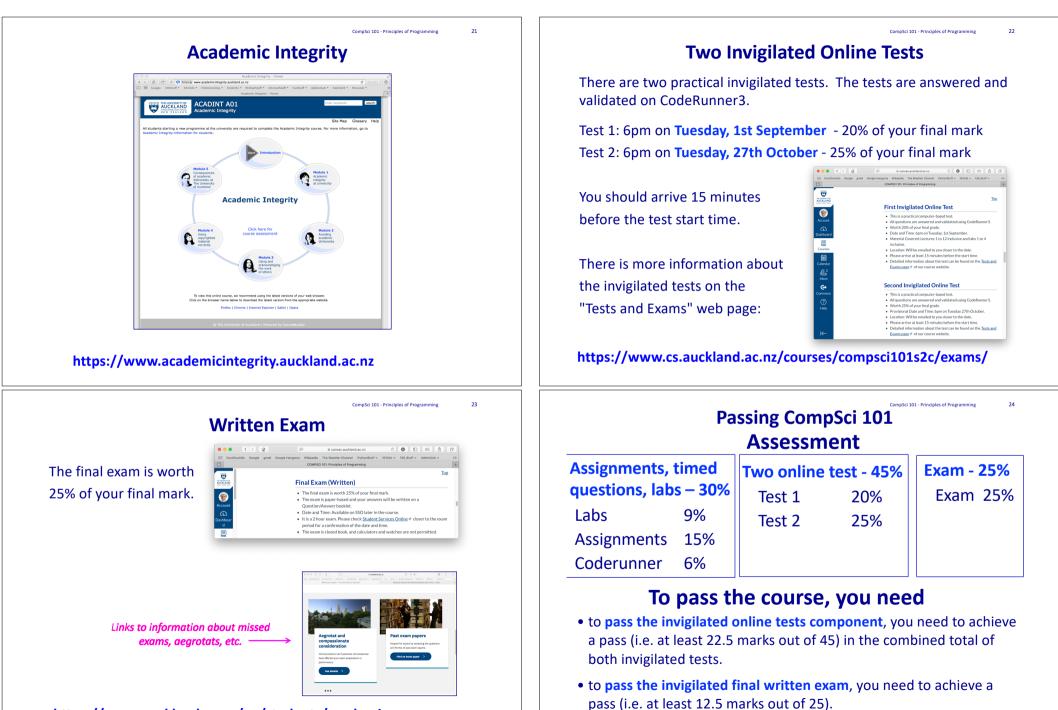


 Disciplinary action will be taken in all cases of plagiarism

#### Advice

- Don't ever copy an assignment (or part of an assignment) from anyone
- Don't ever allow anyone to copy your assignment

#### https://www.academicintegrity.auckland.ac.nz



https://www.auckland.ac.nz/en/students/academicinformation/exams-and-final-results/during-exams.html

• an overall mark of at least 50% out of the full course total of 100%

# The CompSci 101 website

Most of the resources you will need (e.g., lecture slides, lab material, assignments, course information) can be found on the CompSci 101 website:

https://www.cs.auckland.ac.nz/courses/compsci101s2c/

The CompSci 101 website can also be accessed from Canvas:

#### https://canvas.auckland.ac.nz



# Computing resources

# Undergraduate Labs:

There are demonstrators in these labs to help you

**GCL** (room 303S.G91) – Ground Floor Computer Lab



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#### Canvas

On Canvas you will find:

- information about the course set up
- your marks
- class announcements
- lecture recordings
- a link to the CompSci 101 website

#### https://canvas.auckland.ac.nz



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# Piazza

We will be using Piazza as our class forum (available in Canvas) for class discussions, i.e. for questions about lectures, assignments, labs and tests.



