COMPSCI 111/111G Course Information
Summer School, 2018

Course Coordinator

Ann Cameron
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Office Hours: Open-door policy, visit any time (or email for appointment)

Lecturers

Damir Azhar
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Office Hours: Open-door policy, visit any time (or email for appointment)

Lecture times and Locations

Monday: 11:00 am - 12:00 noon in LibB15 (Library Basement, Building 109)
Tuesday: 11:00 am - 12:00 noon in LibB15 (Library Basement, Building 109)
Wednesday: 11:00 am - 1 pm in LibB15 (Library Basement, Building 109)
Thursday: 11:00 am - 12:00 noon in LibB15 (Library Basement, Building 109)
Friday: 11:00 am - 12:00 noon in LibB15 (Library Basement, Building 109)

Lecture Schedule

Week 1 (4th January - 5th January)
Lecture 1: Thurs - Introduction, hardware, components of a computer system
Lecture 2: Fri - Bits, bytes, digital information

Week 2 (8th January - 12th January)
Lecture 3: Mon - Software, licences, conventions
Lecture 4: Tues - Introduction to networking and the Internet
Lecture 5: Wed - Electronic communication: email, forums, etc.
Lecture 6: Wed - Publishing online using tools – blogs, wikis, etc.
Lecture 7: Thurs - The World Wide Web, search engines, trusting information
Lecture 8: Fri - Word processing, preferences, styles, references using RefWorks

Week 3 (15th January - 19th January)
Lecture 9: Mon - \LaTeX (Part 1)
Lecture 10: Tues - \LaTeX (Part 2)
Lecture 11: Wed - Health and Technology
Lecture 12: Wed - Social, Legal and Ethical Issues
Lecture 13: Thurs - Vector Graphics and Digital Images
Lecture 14: Fri - Web Design, HTML5

Week 4 (22nd January - 26th January)
Lecture 15: Mon - HTML5 / CSS
Lecture 16: Tues - CSS
Lecture 17: Wed - Digital Game Design (Part 1)
Lecture 18: Wed - Digital Game Design (Part 2)
Test held on Wed 24th January 6:30pm – 7:30pm (provisional)
Lecture 19: Thurs - Spreadsheets (Part 1)
Lecture 20: Fri - Spreadsheets (Part 2)

Week 5 (29th January - 2nd February)
Monday 29th January - Holiday (Auckland Anniversary)
No lecture on Monday. Mon labs move to Wed
Lecture 21: Tues - Databases (Part 1)
Lecture 22: Wed - Databases (Part 2)
Lecture 23: Wed - Programming in Python – Introduction
Lecture 24: Thurs - Programming in Python – Conditionals and Loops
**Lecture 25:** Fri - Programming in Python – Turtle Graphics

**Week 6 (5th February - 9th February)**

**Lecture 26:** Mon - Artificial Intelligence

**Tuesday 6th February - Holiday (Waitangi Day)** - Tues labs move to Wed

**Lecture 27:** Wed - History of Computing

**Lecture 28:** Wed - Exam Overview

*No more lectures or labs.*

**Lab Schedule**

**Week 1 (4th January - 5th January)**

No lab this week – locate the FTL (303S-175) before Monday

**Week 2 (8th January - 12th January)**

Lab 1: (Mon/Tues) - Introduction, using an operating system, WWW resources

Lab 2: (Thurs/Fri) - Using the Internet – WWW, email, forums, blogs, wikis

**Week 3 (15th January - 19th January)**

Lab 3: (Mon/Tues) - Word Processing and Refworks

Lab 4: (Thurs/Fri) - $\LaTeX$

**Week 4 (22nd January - 26th January)**

Lab 5: (Mon/Tues) - HTML5

Lab 6: (Thurs/Fri) - CSS

**Week 5 (29th January - 2nd February)**

Holiday (Anniversary Day) on Monday) - Mon labs move to Tues

Lab 7: (Tues/Wed) - Spreadsheets

Lab 8: (Thurs/Fri) - Databases

**Week 6 (5th February - 9th February)**

Holiday (Anniversary Day) on Tuesday) - Tues labs move to Wed

Lab 9: (Mon/Wed) - Python Programming

*No more labs.*
Course Description

A practical introduction to computing that will build confidence and familiarity with computers. Topics include: An overview of computer hardware and operating systems, effective use of common applications, using the Internet as a communication medium, applying programming concepts, and social implications of technology.

As part of their practical work, students will use a variety of home and office applications including word processing, drawing, spreadsheets, and databases.

This course would suit students who want a general introduction to computing, or those students intending to major in Computer Science who want to broaden their understanding of computing applications.

Online Course Reference Manual

A course reference manual is available online which contains chapters on selected course topics (mainly lab topics). A number of additional readings from the WWW will be recommended.

Assessment

Your final grade will consist of 20% practical, and 80% theoretical components. The theory component will consist of a test worth 20% and a final exam worth 60%. The practical component will consist of 9 laboratory assignments worth 20% in total. As this course is designated as being of a practical nature, you must pass both the practical and the theoretical components separately to pass the course.

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Assessment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Practical</td>
<td>20%</td>
<td>Labs</td>
<td>20%</td>
</tr>
<tr>
<td>Theoretical</td>
<td>80%</td>
<td>Test</td>
<td>20%</td>
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<td>Exam</td>
<td>60%</td>
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Test

The test is worth 20% of your final mark. The provisional date for the test is Wed 24th January from 6:30pm – 7:30pm in Fisher & Paykel Appliances Auditorium in the Owen G. Glenn Building (F&PAA Room 260-115). The test is closed book, and calculators are not permitted. Your results will be emailed to you.

Exam

The final exam is worth 60% of your final mark. Please check Student Services Online for the exam time and date. The exam is closed book, and calculators
are not permitted. Provisional examination results can be obtained from Student Services Online.

Missed Test or Exam

If you miss the test/exam for any valid reason, or you sit the test/exam but believe that your performance was impaired for some reason, then you may be able to apply for an aegrotat, compassionate or special pass consideration. For more detailed information, refer to the Examinations Office website or Pages 54 – 56 of the University of Auckland’s 2018 Calendar.

Compulsory Laboratory Sessions

You must attend two compulsory 3 hour lab sessions each week. One will be on Monday or Tuesday and the other on Thursday or Friday. You will have enrolled in 2 lab times. Your Monday/Tuesday lab time is labelled “Lab” on Student Services Online, and your Thursday/Friday lab is labelled “Tut”. You should attend the same lab times each week. All of the labs for COMPSCI 111/111G are conducted in the First Floor Teaching Laboratory (FTL), Room 175, which can be found on the first floor of the Computer Science extension to the Maths and Physics Building (Building 303S). You do not have to book computers for use during the lab which you are enrolled in, and may use any computer in the FTL during your lab time. Please arrive on time to your lab. The tutor will first introduce the lab and announce any notices. The tutor will sign your attendance sheet once you have completed a certain portion of the lab assignment. You must be present at the very beginning of the lab to have your attendance sheet signed.

Handing In Your Lab Assignments

You must complete all the tasks set in the lab assignment, and produce answers to all the questions. The answers should be typed and printed out. Attach all the printed pages required by the lab to your signed attendance sheet/cover sheet. Assignment cover sheets will be given out at the beginning of the lab. Your assignment should be submitted to the appropriate hand-in box (located just outside the FTL) sometime before the start of your next lab session. Marked lab assignments will be returned to you in labs the following week.

If you have any queries or concerns regarding the lab sessions, please contact the course coordinator, Ann Cameron.

Checking Your Marks on Canvas

You can check your marks by logging onto the Canvas system:
If there are any problems with your lab marks or test marks, please see Ann Cameron.

Your First Lab

Lab sessions start in the second week (Monday 8th January or Tuesday 9th January depending on which day you chose when you enrolled). When you arrive at the FTL (Room 303S-175), you should sit down at any free computer. There will be tutors and lab demonstrators available throughout all the labs to help you. In order to use any of the computers you will need to log in to the system. This will be your username and password that you use to log in to Student Services Online.

Please bring your your Student ID card and a USB flash drive to all your labs (including your first lab).

Policy on Cheating and Plagiarism

Cheating is viewed as an extremely serious offence by the University of Auckland. Penalties are administered by the Discipline Committee of the Senate, and may include suspension or expulsion from the university. For information on the University’s Policy on Cheating, please refer to the web page: http://www.auckland.ac.nz/uoa/home/about/teaching-learning/honesty

Do not copy anyone else’s work, or allow anyone else to copy from you. Never give a copy of your lab assignment to another student.

What to Do About Missed Lectures/Labs

If you miss a lecture, you should catch up as soon as possible by reading the relevant lecture notes and/or viewing the recorded lecture on Canvas. If you cannot attend a particular lab session for a valid reason, please contact the course supervisor, Ann Cameron as soon as possible.

Undergraduate Laboratories

If you wish to use a computer outside of your lab session, you may use one in the Ground Floor Computer Lab (GCL - Room 303S-G91 on the ground floor of the Computer Science Extension to the Maths and Physics Building). You may use the computers in this laboratory any time during the opening hours. The opening hours will be announced at the beginning of January. The FTL (303S-175) lab
can only be used during scheduled lab sessions. The software is the same in all labs.

Class Website

The COMPSCI 111/111G website contains course information, lecture notes, previous years’ tests and exams, etc. Web Address:

http://www.cs.auckland.ac.nz/compsci111/

Lecture Recordings

Recorded lectures can be found on Canvas.

Webmail

All students have a university email account. Your university email address is: username@aucklanduni.ac.nz, e.g. abcd001@aucklanduni.ac.nz. You can access your email from anywhere you have Internet access, by logging into

http://webmail.ec.auckland.ac.nz/

You must read email sent to your university email address regularly, as staff members often send important messages to students via their university email address. When emailing staff members, please use your university email address and include your Student Id Number.

Print Quota

You can add credit to your print quota at the IC Helpdesk on Level 2 of the Kate Edger Information Commons, 11 Symonds St.

How to Seek Assistance

In the labs, there are always friendly tutors and demonstrators available to help you. If you have an administrative problem (e.g. you have been ill, you have a timetable clash with your lab or test, your marks have been incorrectly recorded, etc.), or any other sort of problem that you need help with, please see the course coordinator, Ann Cameron.

Students are asked to discuss privately any impairment related requirements face-to-face and/or in written form with the course coordinator, Ann Cameron.
If you need extra help with understanding the course material, or preparing for the test or exam, you are very welcome to ask one of the tutors in the lab or visit any of the teaching staff (Ann, Angela, or Damir) in their office.

There are many other resources available within the University, e.g. the Student Learning Centre, the library, DELNA (to identify where you may need help with your academic English) and ELE (English Language Enrichment - a set of resources to help you improve your English).

Make the most of your time in this course. Have fun!

Ann Cameron.