COMP1511: Introduction To Programming

Session 2, 2018

Course Admin

- **Convenor/Lecturer**: Dr Ashesh Mahidadia (ashesh@cse.unsw.edu.au)
- **Admin**: Mei Cheng Whale (meicheng@cse.unsw.edu.au)
- **Tutors**: too many to list - see class web page

- **Class webpage**: https://webcms3.cse.unsw.edu.au/COMP1511/18s2/
- **Course email**: cs1511@cse.unsw.edu.au
- **Bookmark** the above class webpage. All course information is placed on the course web site. COMP1511 (and other COMP courses) **does not use Moodle**.
- **Lecture Recordings**: available from Moodle, there will be a link from the class webpage (available at the end of Week-01)

Getting Help

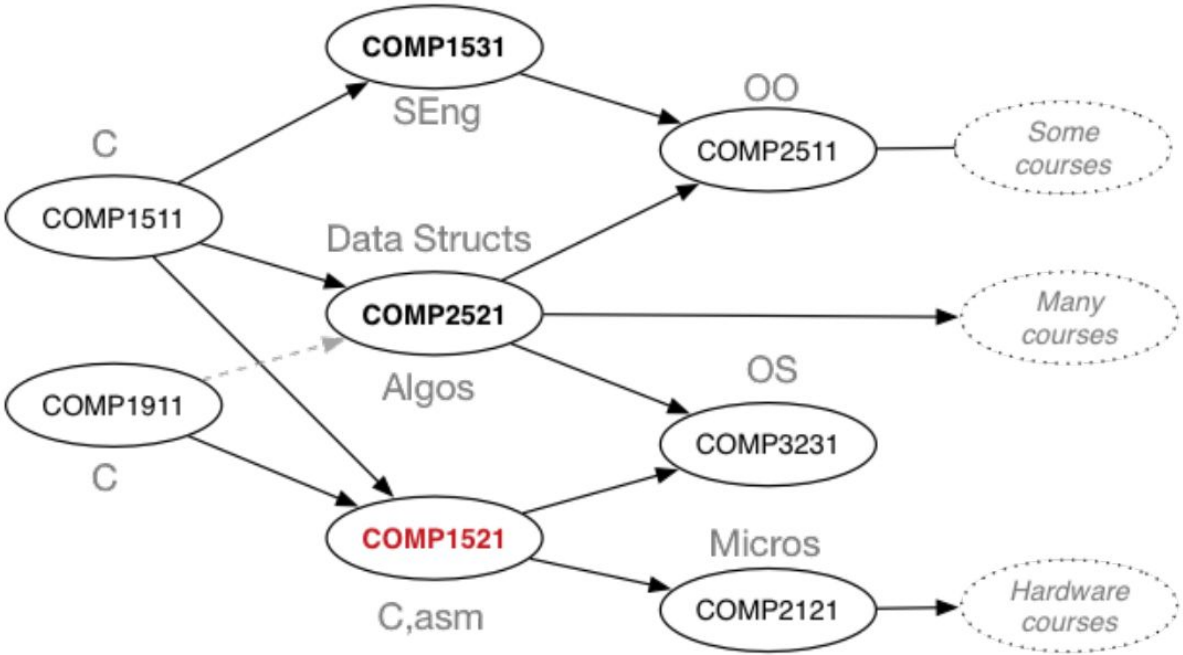
Getting Help …

- read Course Outline (on website)
- **Help Sessions** and **Consultations** (listed on class webpage)
- ask Lecturer after the lecture
- talk to your Tutor
- ask on the course Forum
- Student Office (K17 ground floor) for enrollment/course/academic issues
- CSE Help Desk for system problems
  http://www.cse.unsw.edu.au/~helpdesk/
- extraordinary matters make an appointment with Dr Ashesh Mahidadia
  (ashesh@cse.unsw.edu.au)

COMP1511 vs COMP1911

- COMP1511 & COMP1911 assume no programming experience.
- CS majors must take COMP1511.
- Non-CS majors with an interest in coding/CS should take COMP1511
- If you have previous programming experience - and enjoyed it - choose COMP1511
- Many COMP courses effectively require COMP1511
- We also offer a bridging course for student who take COMP1911 and discover they should have taken COMP1511.

COMP1511 in Context



Welcome to COMP1511!

In this course, you will …

- learn "**computational**" problem solving
- learn to "think like a programmer"
- become part of the CSE community

Welcome (cont)

At the end of the course, you'll be able to …

- take a description of a problem
- design a step-by-step method of solving the problem
- implement your method in the C programming language

You will also …

- know your way around the Linux operating system
- be able to use Linux command-line tools
- and understand what on earth the above two lines mean!

About You

We do **not** assume

- that you have ever programmed before
- that you are familiar with the Linux OS

We assume that you …

- have some mathematical background
- can speak/read fluent English
- have (maybe) touched a computer before

How COMP1511 Runs

- **Lectures**: explain concepts, give demos
- **Tutorials**: clarify concepts, practice analysis, learn “think before coding”
  - **Attempt** the tutorial problems yourself **beforehand**
  - **actively participate** in your tutorials
  - Solutions will be available the following week
- **Lab classes**: practice building small software, build skills needed for assignments and exam, 10% of the final marks.
  - **Attempt** the lab problems yourself **beforehand**
  - **actively participate** in your labs
- **Assignments**: build “large” software systems
- **Exams**: show that you’ve worked out the above

Assessments

Component	Weight
Lab Work	10%
Assignments (Assignment-1 : 12%, Assignment-2 : 13%)	25%
Practical Lab Exams during week-05 (5%) and week-10 (10%)	15%
Final Exam (everything - exam period)	50%

Hurdle Requirements

To pass the course, you must do all of these:

- score 50/100 overall
- solve problem using **arrays** in final exam
- solve problem using **linked-lists** in final exam

Exam

Held in the CSE Labs (must know lab environment)

Format:

- mostly we give you tasks
- you write C program to solve them
- also may ask you to read C code or other written question
- some online documentation may be available

How to Pass the Exams

- do the lab exercises
- do the assignments yourself
- practise programming outside classes
- treat extra tutorial questions like a mini prac exam

Supplementary Assessment

- Students will be offered a supplementary exam if they miss the original exam due to (documented) illness or misadventure.
- Automatic supplementary assessment if they achieve a final mark of 50+ but fail to meet the hurdle requirement, if they have attended 7+ tut-labs, achieve > 30% in the lab exams and have made reasonable attempts on all assignments (achieving > 45%)
- Students with final marks in the range 40-49 (whether they have met the hurdle requirement or not) will also be offered supplementary assessment if they have attended 7+ labs, achieve > 30% in the lab exams and have made reasonable attempts on all assignments (achieving > 45%)
- The supplementary exam will be centrally timetabled, it is **your responsibility** to be in Sydney and available for the supplementary exam.
- **Importantly, NO alternative will be offered.**

Student Conduct

COMP1511 is a **learning** environment

- do **not** plagiarise, contract out work, etc.

COMP1511 should be a safe environment

- do **not** troll, harass other course members

Breaches of above result in

- referral for UNSW academic misconduct

Course text

Optional Course text

Programming, Problem Solving, and Abstraction with C

By Alistair Moffat, Pearson Educational, Australia, 2012, ISBN 1486010970

- good textbook - recommended if you want a text
- not required

Email

- UNSW students are automatically given a zmail address.
- It looks like: z1234567@unsw.edu.au or d.ritchie@unsw.edu.au
- You **must read** your emails sent to the above address, important information is often sent to your above email address.
- If you redirect your zmail address, e.g. to dmr@gmail.com - test the forwarding!
- You should already have received a welcome COMP1511 e-mail

How to succeed in COMP1511

Successful COMP1511 students:

- prepare for tutorials and participate
- work on lab exercises before and after labs
- start assignments early
- do assignments and labs themselves
- practice - code, code, code
- don’t panic - think, persevere

Course Evaluation and Development

- informal feedback during the semester is very welcome!
- let us know of any problems as soon as they arise
- we can’t fix problems we don’t know about
- assessed with myExperience at the end of the session

The CSE Labs

- CSE has lab computers
- unlike other workstations at UNSW, these **don't run Windows**
- they **run Linux**, which is very different
- the easiest way to use these (if you're not in a lab) is using VLAB
- use your zID and zPass to log in, if you don't have a zID/zPass, you should **fix** that **asap**!

Credits for Material

COMP2521 material is prepared by Ashesh Mahidadia, and ideas are drawn from

- Slides by Andrew Taylor (COMP1511 18s1)
- Slides by Andrew Bennett (COMP1511 17s2)
- Slides by John Shepherd (COMP1511 18s1)