Welcome to CP1511 - Introduction to Programming

- Convenor: Aarthi Natarajan
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- Website: http://www.cse.unsw.edu.au/~dp1091

All course information is placed on the course web site. CP1511 uses Moodle only for lecture recordings.
About CP1511

- introductory programming course
- no prerequisites
- assumes zero previous programming experience
- fundamental programming concepts
- solve problems with C programs
- problem solving - design, testing, debugging
CP1511 Lectures

- Tue 14:00 16:00 K15-OM149
- Thu 15:00 16:00 J17-AG202
- Fri 15:00 16:00 F10-CM11

All lectures are recorded and available through moodle, however students are strongly recommended to attend lectures.
CP1511 Classes

Lectures will:

- present a brief overview of theory
- focus on practical demonstrations of coding
- demonstrate problem-solving (testing, debugging)

Tutorials aim to:

- clarify any problems with lecture material
- work through problems related to lecture topics
- give practice with design skills \( \text{(think before coding)} \)
Lab Classes

- Lab exercises mostly small coding tasks, to help students apply concepts taught and build skills needed for the assignments and final exam.
- Labs are worth marks - in total 10%
- Labs are done typically done in pairs. Your tutor will help you to form pairs, which will be changed through the term. Both members of pair must submit with **give**
- Labs may include individual challenge exercises which may be impossibly difficult. Bonus marks may be awarded for challenge exercises.
- Full marks possible without completing any challenge exercises.
Revision labs

- revise concepts, practice for the final exam by writing programs individually under time constraints.
- in weeks 5, 7, 9, 11 and 12 we will hold practical exams.

Tutorials and labs start in week 1.
Assignments

- Assignments give you experience with larger programming problems than the lab exercises.
- Assignments will be carried out individually.
- They always take longer than you expect. Don’t leave them to the last minute.
- There are late penalties applied to maximum assignment marks, typically 2%/hour.
Assessment

- 10% Labs (We take the best 10 out of 11 lab marks)
- 10% Practical Exams Weeks 5, 7, 9, 11 and 12
- 15% Assignment 1 - due week 8
- 15% Assignment 2 - due week 12
- 50% Final exam (3 hours)

Any of the above marks may be scaled to ensure grade boundaries are appropriate, and to ensure consistency across exam sessions. Typically scaling is not required.
Hurdle Requirements

To pass the course you must do all of these

- score 50/100 or more overall
- solve a problem using arrays in the final exam
- solve a problem using linked lists in the final exam
How to succeed in CP1511

Successful CP1511 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
• ask for help if they don’t understand things
Getting Help

- course outline (linked to class webpage)
- course forum (see class website)
- consultation times (posted on the class web page).
- Your tutor
  - Me: after lectures or via email
    mailto:a.natarajan@unswglobal.unsw.edu.au and consultation times
  - For extraordinary matters email me to make an appointment.
Other Sources of Information

- Course Outline (linked to class webpage)
- Lecture recordings (linked to class webpage)
- Google :)}
Optional Course text

*Programming, Problem Solving, and Abstraction with C*

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

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

- UNSW Global students are automatically given a UNSW email address.
- It looks like: z1234567@unsw.edu.au or d.ritchie@unsw.edu.au
- You must read it, important information is sent to it.
- If you redirect your UNSW address, e.g. to gmail, make sure you get it right - test the forwarding!
Things You Need To Do

- Visit the course website:
  http://www.cse.unsw.edu.au/~dp1091

- Read course outline: http://www.cse.unsw.edu.au/~dp1091/20T1/resources/outline.pdf
CP1511 will offer inclusive learning environment for all students. In anything connected to CP1511 including social media, these things are student misconduct and will not be tolerated:

- racist/sexist/offensive language or images
- sexually inappropriate behaviour
- bullying, harraising or aggressive behaviour
- invasion of privacy

Show respect to your fellow students and the course staff.
Plagiarism

What is plagiarism?

Presenting the (thoughts or) work of another as your own. Cheating of any kind constitutes academic misconduct and carries a range of penalties. Please read course intro for details.

Examples of inappropriate conduct:

- groupwork on individual assignments (discussion OK)
- allowing another student to copy your work
- getting your hacker cousin to code for you
- purchasing a solution to the assignment

Remember you are only cheating yourself and chances are you will get caught!
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Plagiarism

- Labs must be entirely the work of your pair.
- Assignments must be entirely your own work.
- You can not work on assignment as a pair (or group).
- Plagiarism will be checked for and penalized.
- Plagiarism may result in suspension from UNSW.
- Scholarship students may lose scholarship.
- International students may lose visa.
- Supplying your work to any another person may result in loss of all your marks for the lab/assignment.
Credits for Material

We gratefully acknowledge the contributions of the School of Computer Science and Engineering (UNSW) towards the creation of the material for this course.