

Lab Week 13

- No assessable lab exercises for week 13.
- There will be revision exercises released
- In week 12 lab you can:
 - ▶ demo week 12 exercises
 - ▶ get feedback on your assignment 1
 - ▶ get help with assignment 2
 - ▶ get help with revision exercises

Assessment

- 10% Labs
- 5% Blog
- 15% Assignment 1
- 10% Exam #1 (Arrays)
- 15% Assignment 2
- 10% Exam #2 (Linked Lists) Friday/Monday week 13
- 35% Final Exam (19/06)

Any of the above marks may be scaled to ensure an appropriate distribution, 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 overall
- solve problems using arrays in either week 8, optional week 12 exam or final exam
- solve problems using linked-lists in either week 13 or final exam

Labs (10% of final mark)

Lab grades from weeks 1-7, 8-12 translated to mark like this:

- $A = 1.2$
- $A = 1$
- $B = 0.8$
- $C = 0.5$

then summed. Capped at 10 marks.

Blog (5% of final mark)

After week tutors will read blogs and award marks according to guidelines.

Assessment will be flexible and generous

Assignment 1 (15% of final mark)

- Assignment mark same distribution as final mark.
 - ▶ 85+% on assignment == HD == 10% of class
 - ▶ 75+% on assignment == HD/DN == 25% of class
- You have the automark component (80)
- Low automark (i35/80) adjusted by tutor to fair overall mark.
- Tutors will also adjust automark if **single small** error causes **large** penalty.

Assignment 1 - Top Efforts

Many excellent efforts - top 10 students

- Alvin Sho
- Declan McDonnell
- Zachary Partridge
- Wei Chen
- Matthew Davidson
- Gal Aharon
- Michael Kedar
- I Park
- Yu Hou
- Lorenzo Lugay

Exam 1 (10% of final mark)

- You have marks for individual questions
- You have overall mark (small upward scaling for some students)
- You know whether you've passed the "arrays" hurdle.
- If you haven't passed array hurdle, 2nd chance Friday.
- if you pass the "arrays" hurdle this week or final exam you get 5/10

Assignment 2 (15% of final mark)

- Due Sunday June 4 midnight
- Larger late penalty
- Assignment mark same distribution as final mark.
 - ▶ 65
 - ▶ 85+
- Remember understanding **trader_bot.h** and how **get_action** works is a major part of assignment
- Reminder you have been a working (but stupid) bot **fuel_bot.c** from lab10.
- If you haven't started take **fuel_bot.c** and modify it.

Exam 2 - Linked Lists (10% of final mark)

- Friday Week 13/Monday Week 14
- Initial allocation based on survey selection
- You'll be told how to change time (we'll try to accommodate changes)
- similar format to week 8/9 exam
- skeleton exam released just before
- week 13 revision exercises

Final Exam (35% of final mark)

- Final exam held in 2 sessions on Monday 19/06 in CSE labs
- If you have another exam on 19/06 you will be automatically allocated to a non-clashing session.
- email sent by 12/06 telling you how to indicate a preference for exam session
- As many students as possible allocated their preferred session.
- Your exam time and location posted to class webpage 16/06
- 3 hours closed book exam - no materials allowed.
- You will be able to use an attendance sheet for rough work
- Exam has 2 parts - do both of them
- Exact format (skeleton exam) released by 16/06

Exam Part 1

Must be completed during 1st 30 minutes of 3 hour exam.
No use of computer allowed during this part except to enter answers into application and view online documentation,
You can not run terminal or dcc or gcc or clang or

- Probably about 7 questions
- Some questions will ask you to read code and indicate what it does.
- Questions will mostly be short answer

Exam - Part 2

- Probably about 7 questions
- Most questions will describe a task and ask you to write a program or function
- Questions will usually include examples.
- Question may give you some starting code
- You may or may not be given test data or other files
- 1 or more tests may be done on submission. This does not guarantee any marks. Do your own testing.
- There may be no submission tests for some questions.
- It is not sufficient to match any supplied examples.
- You must use C to answer the question.
- Can read questions in first 30 minutes.
- Can not run editor/dcc in first 30 minutes.

Exam - Part 2 - Questions 1-2

Question 1-2 will be easier questions

- create a simple C program
- declare and use int & double variables
- use scanf to input ints or double
- use printf to output ints or double
- write if statements
- write loops, including nested loops
- access command line arguments and convert to int or double
- use arrays to store ints/doubles

Possible Question 1

Read 1 or more values and then do some computation, e.g:
Your program should read two ints. It should then print a line for all the the even numbers that lie between these 2 values. The line should be the even number and its square.

```
% a.out
```

```
Enter lower: 12
```

```
Enter upper: 17
```

```
14 196
```

```
16 256
```

Possible Question 2

Perform some computation from command line arguments, e.g.:
Your program will be given 1 or more command line arguments which you can assume are all integers, calculate the sum of their squares and print this.

```
% a.out 5 4 3  
50
```


Question 3-5

You must be able to

- use fgets to read lines & fgetc to read chars
- read until end-of-input using scanf, fgets, fgetc
- use arrays to store strings
- manipulate strings
- read & write files
- malloc
- do computations on linked lists
- create/change linked lists

Your revision should include all tutorial questions and all standard lab exercises

Question 6-7

Questions 6-7 be difficult questions for HD-DN students.
Complex programming using any of the features covered in course.
Your revision should include all advanced lab exercises (except silly puzzles in early weeks)

Exam Part 2 - Marking

- Your answers will be run through automatic marking software.
- Please follow the input/output format shown exactly.
- Please make your program behave exactly as specified.
- All answers are also hand marked. The automatic marking is to assist these markers.
- No marks awarded for style or comments.
- Use decent formatting so the marker (and you) can read the program.
- Comments only necessary if you want to tell the marker something.
- Minor errors will result in only a small penalty.
- E.g. an answer correct except for a missing semi-colon would receive almost full marks.
- No marks will given unless an answer contains a substantial part of a solution (30+%).
- No marks just for starting a question and writing some C

Exam - Past Papers

No past papers are available.

No past exam suitable guide.

Special Consideration

By attending the exam, you are saying "I am well enough to sit it".
If you really are sick, stay home and apply for Special Consideration.

Applications for Special Consideration from people who sat the exam will be ignored.

If you become ill during the exam, ask the supervisor to contact me and then talk to me.

Provisional Results

Provisional results will be made available via classrun when marking is complete.

I'll send email announcing this.

This will be by Thursday June 29.

I will be overseas June 29 - July 16 (don't expect email responses)

You will be emailed time(s) which you can view your exam and check marking.

Final results will appear on myunsw.

Supplementary Assessment

Students will be offered a supplementary exam if they miss the original exam due to (documented) illness or misadventure.

Also automatic supp if your mark is 40-49 and have attended 9+ labs and reasonable attempts on both assignments + blog.

Also automatic supp if your mark is 50+ but you fail the hurdle.

The supp tentatively scheduled for Thursday 20 July

Your responsibility to be available - no alternative!

Supplementary Exam

Similar format to final exam (no skeleton released).

Supplementary exam tentatively scheduled for Thursday 20 July

There is no alternative to the supplementary exam - if you miss it your grade will be FL.

Don't email me asking to have the supplementary at another time.

If you think you might be offered supplementary assessment, make sure you are available that week.

Supplementary assessment offers will be sent by email.

COMP1511 - The Bad

Labs, tutes, lecture notes all being construct on-the-fly because its a new course.

Need to get students with programming experience writing programs in week 0 (or before)

Inefficient use of lecture time.

Some labs boring.

Some tutes didn't have enough revision questions.

Poor integration of tools into course (like git) need to have concrete examples in labs.

Sudden jump in lab-difficulty about week 6.

COMP1511 - The Good

Tutors were great.

Students were great.

Most students seem to have learned a lot from labs and from assignment 1.

Please give feedback on all your courses via **myexperience**.

We'll circulate a COMP1511 specific survey later asking questions like:

- should we keep pair programming?
- should we have mid-session exams?

Please complete it

COMP1511 - The Last Slide

Good Luck in the exam.

I hope you get the COMP1511 mark you deserve.

I know many of you have worked very hard.

I hope you have been rewarded with an understanding of computers & programming that will help you fo interesting and important things in future.