COMP(2041|9044) 26T1 — Exam

https://www.cse.unsw.edu.au/~cs2041/26T1/

Course Topics

- regular expressions
- unix filters
- shell
- git
- python
- make
- linux: tools, concepts

Course Assessment

- 15% Labs
- 10% Weekly Tests
- 15% Assignment 1 — due week 7
- 15% Assignment 2 — due week 11
- 45% Final Exam

Above marks may be scaled to ensure an appropriate distribution

To pass you must:

- score at least 50/100 overall
- score at least 18/45 (40%) on final exam

For example:

55/100 overall, but only 17/45 on final exam $\Rightarrow$ **55 UF** not 55 PS

Labs and Tests

- Labs, in weeks 1-5,7-10:
  - max lab mark each week
    - 1.6 marks without challenge exercises
    - 0.4 marks for challenge exercises
    - or 2 marks if there are no challenge exercises
  - labs marks summed and capped to give mark /15.
  - you can get 95% for lab mark without challenge exercises
  - expectation: most people will get 12+/15
- Tests, in weeks 3...10:
  - max test mark each week:
    - 1.7 marks
  - best 6 of 8 test marks summed and capped to give mark /10.
  - expectation: most people will get 7+/10

The 26T1 Final Exam

- Final exam in CSE labs Wednesday 06 May
  - closed book exam — no materials allowed.
  - but you will have access to offline language cheatsheets, documentation & man/info pages
  - same as weekly tests (and the practice exam)
- Two sessions:morning & afternoon
  - You were asked to indicate preference
  - We allocated you to preferred session if possible
  - You should have an e-mail with a link to your allocation
- afternoon session starts before morning session finishes
  - not permitted to leave morning session early
  - not permitted to start afternoon session late
  - afternoon session allocation will indicate a tutorial/lecture room (not a CSE lab)
  - afternoon session people accompanied to lab after morning session finishes

Exam Conditions

- UNSW on-campus exam rules apply
  - see https://www.student.unsw.edu.au/exam/rules
- including:
  - *must* bring your current UNSW student card - replace it now if expired/lost
  - phone, smart watch, other electronic devices must be *switched off* and in your bag
  - you can not have electronic devices on your person
  - you can not have your phone in your pocket even if its off
  - you can not have notes in your pocket
  - you may bring a *clear* water bottle
  - you may bring a *clear* pencil case with pens, pencils, eraser, ruler, ...
    - No calculator
    - *must* bring at least one pen or pencil to fill in a declaration form
  - you can not bring your own keyboard/mouse or other hardware
- Deliberate violation of exam conditions will be treated as serious misconduct.

Exam Environment

- Restricted exam environment - not your CSE account
  - similar to default CSE lab environment
  - If you attended the practice exam, you've seen the exam environment
- No access to internet
- No access to your files
  - no editor configuration files!
  - Syntax highlighting has been added for you
- Gedit, Vim, Emacs, Nano, VSCode, ED, etc. provided as editors: pick your favourite
- Standard CSE lab machine commands available

Exam Format

- 8-15 questions ... *not* of equal difficulty, *not necessarily* worth equal marks.
  - generally, easier questions are towards the start of the exam, harder questions towards the end.
  - but difficulty is subjective, so you might find that some questions are easier then earlier questions.
- Each question answered in a separate file.
- Most questions will involve writing programs ...
- Some questions will ask you to write a Shell script.
  - or perhaps a single pipeline
  - or perhaps a single regular expression
- Some questions will ask you to write a Python script.
  - Python questions will likely specify you can not run external commands
    - e.g. can not use `subprocess`
  - Python questions may specify you not use certain packages
    - e.g. can not import `requests`
- If a question specifies any additional restrictions or limitations, you must follow them.
  - otherwise you will not receive any marks for the question.
- Other languages are not permitted (e.g., Perl, C, Java, Rust, ...)
- Answers will be submitted with *give*.
  - Autotesting your code is *not* a submission.
- It's possible that some questions may not involve coding ...
  - questions could ask for a short answer,

Exam Format — Programming Questions

For questions that require you to write Shell or Python ...

- Questions will include examples.
- You may, or may not, be given starting code, test data, or other files.
  - If you are not given starting code, you must create your own files.
    - The name of the file will be specified in the question.
- Autotests may be available for some questions.
  Passing autotests does not guarantee any marks; do your own testing.
  There may be no autotests for some questions.
- If autotests are available they will run on submission
  - This will be disabled in the last ~10 minutes of the exam.
    - So that submissions are faster to process.
- It is *not* sufficient to match any supplied examples.
- Questions may specify additional restrictions or limitations imposed on your program.
  - You must follow these restrictions or limitations otherwise you will not receive any marks.
  - Questions with additional restrictions will be hand-marked to ensure you have followed them.
- Autotesting your code is *not* a submission.
  - You *must* submit your code with *give*.

Programming Questions — Assessment and Marking

- Answers will be run through automatic marking software.
  - Please follow the input/output format shown exactly.
  - Please make your program behave exactly as specified.
- Answers that don't pass all automatic marking tests are hand-marked, guided by automarking.
  - *no* marks awarded for style or comments ...
    - but a human marker will be reading your program
      and you need to read your program
      so use reasonable style, variable names, ...
  - comments only necessary to tell the marker something.
  - do not include your name in comments
- 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 has a substantial part of a solution (> 33%).
- No marks just for starting a question and writing some generic code.
- Zero marks for submitting starter code even if it passes some autotests.

Exam Format — Non-coding Questions

- Each question will specify a file to write your answer in.
- Answers must be in the specified file, e.g. **`q1.txt`**
- Question may specify format of file:
  - e.g., 5 integers, one per line ...
  - follow this format **exactly**
- Questions will give you an initial file to complete.

Past Final Exam

- A past Final Exam will be released by noon Monday at:
  https://cgi.cse.unsw.edu.au/~cs2041/26T1/exam/practice/questions
- Encouraged to complete it as a practice exam
  - under exam conditions & with time limit
- Autotests available
- don't need to give (no marks involved!)
- Sample answers will be released noon Saturday Week 11
- this term's exam will use similar format similar for at least some questions

Special Exam Conditions

- Any extra time specified in your ELS exam conditions is allowed in this exam.
- All students see the same exam question text.
- The text shows the standard exam deadline, any extra time is additional to it.
  - if in doubt ask exam supervisor
- email **`cs2041@cse.unsw.edu.au`** if you have concerns regarding ELS conditions
- If your ELS conditions prevent you from taking the exam, let us know.

Exam clashes

- you should have been contacted if you have a clash.
- UNSW policy is that you may be required to take two exams in one day.
- Exams Unit generally don't consider all-day exams a clash and special consideration is not generally offered.

Special Consideration ("Fit-to-Sit")

This exam is covered by UNSW's Fit-to-Sit policy.

By starting the exam, you are saying
"I am well enough to finish the exam."

- If you are unwell *before* the exam:
  - Do not attend the exam
  - Apply for Special Consideration.
  - See a Doctor and get a medical certificate ASAP.
- If you become unwell *during* the exam:
  - **talk to an exam supervisor ASAP**

What to study

- Important Areas to Focus Your Study On
  - anything covered in a standard lab exercise
  - anything covered in a weekly test
  - anything covered by assignments (except hardest subsets)
- Less Important Areas
  - challenge lab exercise
  - topics not covered in labs, tests or assignments
  - anything covered by hardest subset of assignment
  - may still be questions on these topics but not many

Timeline: Provisional Results

- Marking will take time — likely 10 days.
- When marking is complete,
  exam marks will be available on the course webpage "marks" page.
  We'll send an email + forum post annoucing this
- You *will* receive marks for individual exam questions.
- You *will* have an opportunity to have your marking reviewed.
  - marks are reviewed if there is an issue with the marking
    not because you disagree with the mark you received.
- Final results will appear on myUNSW.

Supplementary Assessment

- If you miss the original exam due to illness/misadventure,
  you may be eligible for a supplementary exam; apply for special consideration.
  Schools and individual courses cannot offer supps.
- Students with borderline results are **not** offered supps.
  (... except potential graduands.)
- Similar format to final exam, also held in CSE labs
- Supp exam centrally timetabled in week 0 (25-29 May)
- If offerred supp, you will receive e-mail by May 23 with time/location

Thank You ...

- Thank you to our wonderful tutor team - for all you help for students in tuts, labs & help sessions.
- Thank you to Raine, Tim, Lachlan, David & everyone else who answered forum questions.
- Thank you Anna & Dylan - for running the course behind the scenes
- I know students spent many hours on assignments & labs.
- I hope what you've learnt will be useful whatever you do in future.
- I hope you get the mark you deserve.
- Good Luck on your exams (for this course and others).
  - Come and say hello after the exam.