

COMP(2041|9044) 23T2 — Exam

<https://www.cse.unsw.edu.au/~cs2041/23T2/>

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

- 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, 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

- Final exam in CSE labs - 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)
- Three sessions: afternoon **Tue 15 Aug** , morning **Wed 16 Aug**, afternoon **Wed 16 Aug**
 - You have been asked to indicate preference (preference form closes tomorrow)
 - We will be allocated you to preferred session if possible
 - You will receive an e-mail with a link to your allocation by Friday Week 11 at the latest
 - Probably Tuesday or Wednesday
- Wed afternoon session starts before morning session finishes
 - not permitted to leave Wed morning session early
 - not permitted to start Wed afternoon session late
 - Wed afternoon session allocation will indicate a tutorial room (not a CSE lab)
 - Wed afternoon session people accompanied to lab after morning session finishes

- UNSW on-campus exam rules apply
 - see <https://www.student.unsw.edu.au/exam/rules>
- including:
 - *must* bring your student card (other photo-id if student card lost)
 - phone, smart watch, other electronic devices *switched off* in your bag
 - 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.

- 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

- 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 than 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

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*.

- 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.

- 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.

- A past Final Exam will be released by noon Monday at:
<https://cgi.cse.unsw.edu.au/~cs2041/23T2/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

- 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.

- 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.
- As we have exams on two separate days there should be anyone with a clash.

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

- 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

- Marking will take time — likely 10-12 days.
- When marking is complete, exam marks will be available on the course webpage “marks” page. We’ll send an email (Ed Announcement) announcing 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.

- 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.
- Supp exams will be in T3 week 0 in CSE labs

- So many important things to learn: regex, filters, Shell, git, Python ...
 - not nearly enough time to cover everything well
- labs a lot of work
 - but a good way to understand the topics (agree?)
 - and you practised some really useful skills (agree?)
- assignments a lot of work
 - but really improved your Shell/Python (agree?)
 - and also gave you deep understanding of git (agree?)
- Python coverage needs to be better organized and cater better to varying Python experience of students
- missing labs on linux
 - need lab exercises where you manipulate a linux system

- Labs & tutes (do you agree?)
- Weekly Tests (do you agree?)
- Tutors
- Students

- Good Luck
- I hope what you've learnt in this course will be useful.
- I hope you get the mark you deserve.
- Good Luck on your exams (for this course and others).
 - We will see most (all?) of you during the exam.