Course Topics
- unix filters
- regular expressions
- shell
- git
- perl
- make
- linux tools and admin
- performance/language choice

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

Above marks may be scaled to ensure an appropriate distribution

To pass you must:
- score 50/100 overall
- score 18/45 on final exam

For example:
55/100 overall, 17/45 on final exam ⇒ 55 UF not 55 PS

Labs and Tests
- 9 labs - weeks 1-5, 7-10
  - max lab mark 2 marks with challenge exercises
  - max lab mark ~1.6 marks without challenge exercises
  - 8 labs marks summed and capped at 15
  - you could get 100% for lab mark without challenge exercises
    - because 2 labs didn’t have challenge exercises
  - most people will get 12+/15
- 8 tests - weeks 3...10:
  - max test mark 1.7
  - best 6 of 8 test marks summed and capped at to give mark out of 10.
  - most people will get 7+/10

Exam
- Run under same conditions as Weekly Tests
- Except 3 hours and some question may not be coding
- Thursday 6 May 13:20 — 16:30
- Exam will be released on class web site at 13:20
  - 10 minutes reading time, exam starts 13:30
  - exam finishes 3 hours later at 16:30
  - plus any ELS-approved extra time
- Announcements before & during exam will be sent to your UNSW email
- Questions during exam can be sent to cs2041.exam@cse.unsw.edu.au
**Exam Conditions**

- You are not permitted to communicate (email, phone, message, talk, ...) to anyone but COMP(2041|9044) staff during exam.
- You are not permitted to get help from anyone but COMP2041|COMP9044 staff during the exam.
- This is a closed book exam: you are not permitted to access papers, books, files on your computer or the internet.
- You are permitted to access the exam web pages on the class web site.
- You are permitted to access the online language cheatsheets & documentation on the class web site.
- Deliberate violation of exam conditions will be treated as serious misconduct.

**Exam Format**

- 12-15 questions
- Each questions answered in a separate file.
- Some questions will ask you to write shell.
  - or perhaps a shell pipeline
- Some questions will ask you to write Perl.
  - Perl questions will likely specify you can not run external commands
    - e.g. can not run system
- Other languages not permitted (e.g., Python, C++, Java, Rust, ...)
- Answers will be submitted with give.
- Questions not equal difficulty.
- Questions may not be worth equal marks.

**20T2 COMP(2041|9044) Final Exam**

- 20T2 COMP(2041|9044) Final Exam available at:
  https://cgi.cse.unsw.edu.au/~cs2041/21T1/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 Monday Week 12
- 21T1 exam will use similar format similar for at least some questions

**Non-coding Questions**

- Answers must be an specified file, e.g. q1.txt
- Question may specify format of file
  - e.g. 5 integers one per line
  - follow this format EXACTLY
- Question must give you an initial file to complete
- File will be submitted with give.
For question that require you to write Shell or Perl ...

- Questions will usually include examples.
- You may or may not be given starting code.
- You may or may not be given test data or other files.
- 1 or more autotests may be available on submission.
- Passing autotests 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.

- 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 hand marked, guided by automarking.
  - No marks awarded for style or comments ...
  - But use decent formatting so the marker can read the program!
  - Comments only necessary 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 just for starting a question and writing general-purpose code
  - have to be solving part of the problem to get marks

any extra time specified in your ELS exam conditions is allowed in this exam
all student see the same exam questions text
the text shows the standard exam deadline, any extra time is additional to it
give should be configured to allow your extra time
  - give should show a deadline including your extra time
  - it it does not email cs2041.exam@cse.unsw.edu.au
email cs2041.exam@cse.unsw.edu.au immediately during exam if you have have concerns regarding ELS conditions
if ELS conditions prevent you taking exam, alternative will be supp
Problems During Exam

- if a problem occurs during the exam, e.g. internet failure or hard problem
  - document the problem immediately, e.g. take screenshots
  - email cs2041.exam@cse.unsw.edu.au immediately
- for problem of short duration we may be able to give you extra time
- otherwise you'll need to apply for special consideration

Special Consideration — ‘Fit to Sit’

- By starting the exam, you are saying
  "I am well enough to sit it".
- If unwell before exam, see a doctor, apply for Special Consideration.
- If you become unwell during the exam
  - email cs2041.exam@cse.unsw.edu.au
  - if you can’t continue the exam you will need to see a doctor and apply for Special Consideration.

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 subset)
- 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

Provisional Results

- Exam marks will be made available via class database when marking is complete.
- I’ll send email announcing this.
- Marking will probably take 10 days.
- You will receive marks for individual exam questions.
- You will be opportunity to have marking reviewed.
- Final results will appear on myUNSW.
Supplementary Assessment

- UNSW supplementary exams are run centrally.
- Supplementary exams are for students who miss original exam due to illness/misadventure.
- If this is you — apply for special consideration.
- Lecturers & schools can not offer supps.
- Students with borderline results are not offered supps. … except potential graduands
- Supp exams centrally timetabled for week of 25-29 May
- Similar format to final exam

COMP2041/9044 - The Bad

- So many important things to learn: filters, regex, shell, Perl . . .
  - 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/perl (agree?)
  - and gave you deep understanding of git/sed (agree?)
- missing labs on linux tools
  - need lab exercises where you manipulate a linux system
- Online lecture meant we didn’t get to meet each other

COMP2041/9044 - The Good

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

And that’s all ...

- Good Luck
- I hope what you’ve learnt in this course will be useful.
- I hope you get the mark you deserve.