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 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.
Marking of Coding Questions

- 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
Special Exam Conditions

- 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 concerns regarding ELS conditions
- if ELS conditions prevent you taking exam, alternative will be supp...
Exam On Same Day

- a small number of students have exams on the same day
- some have morning exams
  - we've moved the COMP(2041|9044) exam time later to give your recovery time
- a few have all day exams
- special considerations have advised they will not give special consideration for clashes with all day exams
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
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
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
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.