CSCI 265 Final Exam

- Covers all of the lecture/lab material (including the lab/lecture Q&A/discussion sessions)

- Worth 25% of your final grade

- *You must pass the final exam to pass the course*

- Will be available from 7am to 7pm (PST) on Dec 16

- Once you start, you have 3 hours to complete

- Unlike the quizzes, questions will have a fixed order and you *can* go forward/back

Question styles and topics

- Questions are all longer-answer formats (either applied or discussion), many based on 265 course work/project

- 9 questions, 15-20 marks each, 150 total marks

- Some likely question topics/areas include
  - Linux, bash, scripting
  - Version control, git
  - SDLCs (agile, spiral, waterfall)
  - Design considerations (coupling, cohesion, etc)
  - Compilation, g++, makefiles
  - C++ preprocessor (#includes etc)
  - C++ templates, STL, iterators
  - C++ unicode, gtk
  - Bug reports, bug tracking
  - Code standards
  - Code inspections
  - Debugging, debuggers, gdb, valgrind
  - Profiling, profilers, gprof, valgrind
  - Testing (big V, unit testing, test planning,etc)
  - Automated testing (+ our bash scripts)
  - localization/internationalization, unicode
  - HCI, gui interfaces, zenity, gtk
  - Product deployment
  - Maintenance, refactoring
  - Design patterns
  - Service oriented architectures

Exam rules

- As with all work this term, the final exam is an individual exercise, all work submitted is expected to be your own.

- You must cite any resources used that were not part of the course readings or resources provided by the instructor. Citations for online resources must include the full URL to the resource used, while citations for offline resources should include the author(s), full title, date, and publisher.

- You must work individually and are not permitted to communicate with other people during the exam. Create a focussed time and space to work on the exam. Communicating with other people includes:

  - Messaging or emailing

  - Video or audio communication

  - Screen sharing

  - Working in the same room during the exam

  - Accessing another person's files or permitting another person to access yours

  - Accessing a shared document

VIULearn links

- ## Getting started with VIULearn

ciel.viu.ca/learning-technologies-innovation/viulearn/viulearn-help-learners/5-steps-getting-started

- ## VIULearn Orientation

ciel.viu.ca/learning-technologies-innovation/viulearn/viulearn-help-learners/self-registration-discover

- ## Help with VIULearn technologies

ciel.viu.ca/learning-technologies-innovation/student-help-resources

- ## IT's student tech guide

technology.viu.ca/it-helpdesk-client-portal