

CMPT 280

Topic 25: Wrap-up

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Course Evaluation

- Your chance to grade us!
- Follow SLEQ Evaluations link on Canvas page.
- Takes < 10 min.

Final Exam Information

- April 14, 2022, 9:00am-12:00pm, EDUC Gym. @
- Closed book. All you need is your pencil.
- Covers all material in the class (lectures + readings + assignments + tutorials). Everything is fair game.
- Format: multiple choice, short answer, coding
- No electronic devices (devices that **only** tell time are excepted). Phones, etc. away in your bag (not pocket!).
- Paper dictionaries are allowed (but we reserve the right to inspect them).

Final Exam Information

Major types of questions (non-exhaustive list!)

- Read code, tell me the output.
- Write code (java or pseudo-)
- Determine output of an algorithm given input
- Data structure manipulation (draw pictures)
- Data structure design (write Java code)
- Time and space complexity analysis. (statement counting, active operation)
- Justifying choice of best algorithm/data struct. under certain assumptions.
- Selection of best data structure or algorithm for a task
- Expect an applied question where you use your knowledge of data structures to solve a problem you haven't seen before.

Final Exam Study Strategy

- Know your data structures, and the operations on them, and time complexity of the operations.
- Know your algorithms, their inputs and outputs and time complexities.
- Know advantages/disadvantages of alternate approaches
- Compartmentalize algorithms in your head and run them produce correct output **Practice with paper and pencil!**
- Study and understand solutions to assignment problems and in-class exercises. **Reproduce answers with paper and pencil without peeking!**
- Flawless java syntax is not expected, but strive for correct syntax. However, it has to make sense – e.g. variable/parameter/return types have to agree, logic has to follow.