# CMPT 280
## Topic 25: Wrap-up

Mark G. Eramian

University of Saskatchewan

# Course Evaluation

- Your chance to grade me!
- Link at the top of the class Moodle page.
- Takes $< 10$ min.

# Final Exam Information

- April 26, 2019, 9:00am-12:00pm, PAC Gym, Rows 9 to 25 (odd)

- 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

- Expect slight emphasis on material covered since mid-term.

- No electronic devices (devices that **only** tell time are excepted). Phones, etc. away in your bag (not pocket!).

# 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.