# Welcome to EECS 1030

Steven Castellucci

# Who Am I?

▸ Professor Steven Castellucci, PhD

▸ Email (for personal administrative questions):
  [steven_c@yorku.ca](mailto:steven_c@yorku.ca)
  ◦ Include "1030" and your EECS username in subject

▸ Office hours:  *TBA* in LAS 3048

# Course Website

▸ Moodle:
  ◦ https://moodle.yorku.ca

▸ EECS Department (backup):
  ◦ http://www.eecs.yorku.ca/course/1030/

# Textbook

- Course "textbook":
  - www.eecs.yorku.ca/course/1030/guides/1030_book.pdf (or via Moodle)

- Additional recommended reading:
  - *Absolute Java* by Savitch
  - *Java Pocket Guide* by Liguori
  - *Eclipse IDE Pocket Guide* by Burnette

# Lectures & Labs

- **Lectures**
  - Stedman Lecture Hall E
  - Tuesdays and Thursdays, 17:30–20:15
- **Labs**
  - Lassonde Building 1002, 1004, and 1006
  - Tuesdays and Thursdays, 20:30–22:00

- Labs start on the first week of the term
- Students should attend the lab in which they are registered

# Tests

▸ Except for the exam and make-up test, all tests take place during the lab sessions

| Components | Weight |
|---|---|
| Test 1 (1020 Review) | 5% |
| Test 2 (MC + programming) | 30% |
| Test 3 (MC + programming) | 30% |
| Test 4 (programming) | 20% |
| Exam (MC, cumulative) | 15% |
| Make-Up Test (programming, cumulative) | *variable* |

# Test 1

- Serves as a review of 1020
- Topics covered:
  - Academic dishonesty
  - Coding style
  - User I/O
  - Branching and looping
  - Collections

# Exam and Make-up Test

- Exam is 60 minutes, multiple choice, covers the entire course
- If you miss a test for an acceptable reason and provide required documentation, the weight will be transferred
  ◦ Miss Test 1, weight transferred to Test 2
  ◦ Miss any other test, weight transferred to make-up
- Make-up test is 90 minutes, programming, covers the entire course

# Course Help

- TA Office Hours
  - *Listed and updated on Moodle*
- Moodle Forum
  - Ask questions
  - Get answers from me, the TAs, and fellow students
    - You are encouraged to help and guide
    - Do not post answers to lab activities (more on what is and is not acceptable to be presented later)

# 1030 Overview

- 1020 focused on using existing classes to help solve a problem
- 1030 focuses on designing and implementing classes
  - I.e., how to implement many of the concepts presented in 1020
    - Inheritance
    - Aggregation
    - Composition
    - Exceptions

# 1020 Review

- How to read an API
  - Determine if a class needs to be imported
  - Determine the purpose of a class, interface, field, or method
  - Determine the number and types of parameters required by a method
  - Determine the return type of a method
  - Determine the exceptions that a method might throw and how to handle them

# 1020 Review (2)

- How to define and use primitive type variables
- How to create, manipulate, and compare objects
- How to use if-statements
- How to use loops
- How to use collections and the difference between lists, sets, and maps

# 1020 Review (3)

- The difference between aggregation and composition
- The difference between aliasing, shallow copying, and deep copying
- The purpose of inheritance and substitutability
- How to style your code (more on this later)

# Questions?