Welcome to EECS 1030

Steven Castellucci

Who Am I?

- Professor Steven Castellucci, PhD
- Email (for personal administrative questions): steven_c@yorku.ca
  - Include "1030" and your EECS username in subject
- Office hours: M 1-2 pm 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**
  - Vari Hall C
  - Tuesdays and Thursdays, 14:30–16:00
- **Lab01**
  - Lassonde Building 1002, 1004, and 1006
  - Thursdays, 13:00–14:30
- **Lab02**
  - Lassonde Building 1006
  - Wednesdays, 19:00–20:30

- Labs start on the second week of the term

Tests

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

Components	Weight
Test 1 (1020 Review, MC + programming)	10%
Test 2 (MC + programming)	20%
Test 3 (MC + programming)	25%
Test 4 (MC + programming)	25%
Test 5 (MC + programming)	20%
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

Make-up Test

- 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?