

EECS 2030

Advanced Object Oriented Programming

Introduction

Course Website:

- https://wiki.eecs.yorku.ca/course_archive/2015-16/S/2030/

This course concentrates on advance object oriented techniques in Java.

Topics include: implementing classes (non-utilities, delegation within the class definition, documentation and API generation, implementing contracts), aggregations (implementing aggregates versus compositions and implementing collections), inheritance hierarchies (attribute visibility, overriding methods, abstract classes versus interfaces, inner classes), applications of aggregation and inheritance in concurrent programming and event-driven programming, recursion, searching and sorting including quick and merge sorts), stacks and queues, linked lists, and binary trees.

Prerequisites

You must at least have the below prerequisites:

- LE/EECS1021 3.00 or
- LE/EECS1020 3.00 or
- LE/EECS1022 3.00 or
- LE/EECS 1720 3.00.

The General Prerequisite is a cumulative GPA of 4.50 or better over all major EECS courses.

General Details

- Course Director: Navid Mohaghegh
 - Office: LAS 2018
 - Office Hours: Tuesday and Thursdays 19:00-22:00
 - Email: navid at eecs dot yorku dot ca.
 - Please include "2030" in your email subject lines at all times
- Lecture Times: Tuesdays and Thursdays 17:30-19:00 (LSB 103)
- Lab Times
 - LAB01: Tuesdays: 19:00-20:30 (LAS 1006A)
 - LAB02: Thursdays: 19:00-20:30 (LAS 1006A)
 - Lab start date will be announced as soon as TAs are scheduled.
- LSB: Life Sciences Building
- LAS: Lassonde Building

EECS Account needed for EECS2030

- **You must at least have a Prism Lab account before starting the course.** If you don't have a Prism Lab account for EECS courses, please consult lab monitors at LAS 1006. You must have a YoRkU ID card with you at all times.
 - If you don't have the account ready, you cannot do the assignments and tests and you will receive zero mark accordingly.

Weight Distribution of the Course Components

- There is a small Java review quiz to assure you have setup your PRISM account and know how to use it (weight 2%).
 - The quiz will be done electronically during the lab hours.
- 4 Quizzes (each weight 10%).
 - They will be done electronically during lab hours.
- Midterm exam: 25%.
 - TBD, it will be scheduled for a Tuesday or Thursday 17:30-20:30
- Final exam: 33%.
 - TBD

F	E	D	D+	C	C+	B	B+	A	A+
<40	>40	>50	>55	>60	>65	>70	>75	>80	>90

Questions?