Fall 2007

Introduction to Computer Science I

Course Description

The course lays the conceptual foundation of object-oriented programming. It covers delegation and contracts, encapsulation and API programming, aggregation and the collections framework, inheritance and polymorphism, all from the client's perspective. It also covers language-specific topics like types, control structures, and exception handling. The coverage is done within the framework of the software development process and emphasizes software engineering throughout.

Section A. T19:00-22:00 CLH H
Instructor: G. Turpin
Office Hours: TBD CSEB 3020

Section E. MWF 10:30-11:30 CB 121
Instructor: M. Jenkin
Office Hours: MWF 9:30-10:30 CSEB 3032

The course web page is http://www.cse.yorku.ca/course/1020 You are responsible for checking the web page for updates to the course.

Textbook

H. Roumani. *Java by Abstraction: A Client-View Approach*. First edition. Pearson Addison Wesley, Toronto. 2006. This book is sold by the York book store in York Lanes.

Grades

The weight distribution of the course components is as follows:

7% - programming exercises (eChecks)
11% - labtest #1
11% - labtest #2
11% - labtest #3
30% - midterm (20% written, 10% lab)
30% - final exam (20% written, 10% lab)

All work will receive a numerical grade. The final numerical grade will be converted to a letter grade using the standard departmental mapping scheme.

Labs

There are labs scheduled through the course. During a lab session you will either complete an eCheck exercise under the supervision of a TA or be evaluated through either a labtest or midterm evaluation.

Calendar

The course's week runs from Wednesday through Tuesday. The day and evening lecture sections will run at the same pace and cover the same material in the same order. Due to holidays during the fall term the evening lecture section will be 1-2 hours ahead of the day section until approximately midway through the term.

Week 1 (September 5)

Reading material Chapter 1 and the guided tour.
Lectures Chapter 1

Labs eCheck #1 (eCheck01A). Labs normally scheduled Sept 5-7 are postponed with makeup labs being scheduled on Sept. 10-11. Makeup labs are scheduled Sept. 10 1-2:30 and 2:30-4. Sept. 11 11:30-1 and 2:30-4. The Tuesday 1-2:30 lab will run as normal. Attend whichever makeup lab is most convenient for you. If a makeup lab is overbooked you should attend an alternate one.

Week 2 (September 12)

Reading material: Chapter 2. Continue with the guided tour

Lectures Chapter 2. Note September 14 lecture cancelled.

Labs No labs this week.

Week 3 (September 19)

Reading material Chapter 3 Complete the guided tour. You are responsible for this material.

Lectures Chapter 3.

Labs eCheck #2 (eCheck02A). Normal labs resume.

Week 4 (September 26)

Reading material Chapter 4

Lectures Chapter 4.

Labs eCheck #3 (eCheck03A).

Week 5 (October 3)

Reading material Chapter 5

Lectures Chapter 5.

Labs Labtest #1 will be held in your normal lab session.

Week 6 (October 10)

Reading material Chapter 6

Lectures Chapter 6.

Labs eCheck #4 (eCheck05A).

Week 7 (October 17)

Reading material Chapter 7 and review for midterm

Lectures Chapter 7. Written midterm held in-class October 22/23.

Labs In-lab midterm held in your regular lab session.

Week 8 (October 24)

Reading material Chapter 8

Lectures Chapter 8.

Labs eCheck #5 (eCheck07A).

Week 9 (October 31)

Reading material Chapter 9

Lectures Chapter 9.

Labs Labtest #2 will be held in your normal lab session.

Week 10 (November 7)

Reading material Chapter 10

Lectures Chapter 10.

Labs eCheck #6 (eCheck09A).

Drop deadline (November 9)

Week 11 (November 14)

Reading material Chapter 11
Lectures Chapter 11.
Labs Labtest #3 will be held in your normal lab session.

Week 12 (November 21)
Reading material Chapter 12
Lectures Chapter 12. Prof. Turpin's last lecture is November 27.
Labs eCheck #7 (eCheck12A). Last lab is November 27.

Week 13 (November 28)
Reading material Chapter 12
Lectures Chapter 12. Prof. Jenkin's last lecture is November 30.
Labs None

Final exam (exam period) December 5 - 20 inclusive.

Students must make sure they are available to write the final examination during this period and not book a holiday/flight, etc. that would prevent attending the final exam.

The exact time/place of the final exam will be posted here when it becomes available.