RYERSON UNIVERSITY

School of Computer Science
CPS109 Course Management Form
Fall 2015

Instructors:

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Teaching Assistants:

TBA

Calendar Description

CPS109 Computer Science 1: An introductory programming course designed to introduce fundamental Computer Science concepts such as abstraction, modeling and algorithm design. Emphasis is placed on producing correct software. This course uses Java as its programming language. Lect: 3 hrs./Lab: 2 hr.

Reference Material and Text

Item	Description	Comments
Course Web Site	http://www.scs.ryerson.ca/~aferworn/courses/CPS109/INDEX.HTML	The course web site (will) contain(s) a set of course notes, all the lab exercises and assignments. In addition we will put announcements on the site as they become necessary.
Course Text	**Big Java-Early Objects, 6th Edition** Cay Horstmann, JohnWiley and Sons (pub). ISBN 978-1-119-05628-7	Reading the text helps with the labs as they are based on the text directly. The text must be used in conjunction with the web site for full benefit.

Evaluation

Item	Value	Tentative Dates
Test 1	10%	Week 5. Week of
Test 2	15%	Week 9. Week of
Labs*	9% (see note)	See Course Web Site-There is no lab in week 1
Assignment 1	8% (see note)	Given: 21 Sept, Due: 12 Oct (three weeks to complete)
Assignment 2	8% (see note)	Given: 19 Oct, Due: 2 Nov (three weeks to complete)
Final Examination	45%	Exam Week
Participation	5%	*Codingbat*[1] exercises to be explained in class

pro·gram·mer
n. an organism that turns caffeine into software

- Labs are held every week (except for the first week of classes) and are submitted to your TA via email. Each lab must be submitted to the TA as indicated on the course web site. Lab and assignment work will significantly influence what is on the tests.
- note: Assignment and lab marks will be fully awarded to students with testing evaluation (quiz, midterm test, final examination) is >= 70%, not awarded if this evaluation average mark < 30%, and linearly scaled between these limits otherwise. [So... don't copy assignments and labs - not only is it dishonest, it won't help.]

  Expressed as a formula, assignment and lab marks will be multiplied by a factor "f" (0.0 <= f <= 1.0), based upon the 70 marks for testing evaluations where:

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T = (Sum of Testing Evaluation Marks) * (100/70), and
f = 0.0 for T < 30,
f = (T - 30) / 40 for 30 <= T <= 70,
f = 1.0 for T > 70.
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[1] Visit http://codingbat.com/

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Assignments and Labs
Late assignments and labs will not be accepted for marking. Labs and assignments must be submitted in the format detailed on the course web site. If they are submitted in any other fashion they will be deemed garbage and will be filed in a wastebasket (will not be marked!) Labs and assignments will be marked by a TA. The TA has the final say on the mark you receive...don't whine to the course instructors and be careful about whining to the TAs.

General
Announcements will periodically be made in class...these will not be repeated, Details will often be provided on the announcements portion of the course web site. Students are responsible for checking the course web site for all instructions relating to the course and for announcements. This must be done at least once on the day of a class. Copied work (both copy and original) will be assigned a grade of 0. Involvement with plagiarism can ultimately result in course failure and/or expulsion from the University in accordance with the Ryerson Student Conduct Code. The course will consist of both lectures and laboratory sessions. Modifications to the course procedures will be made in consultation with the course students.

Course Outline (not necessarily in order)
Introduction (Chap 1, 3 hours), Objects and Classes (Chap 2 & 3, 6 hours), Fundamental Data Types (Chap 4, 3 hours), Decisions and Loops (Chap 5 & 6, 6 hours), Arrays and Array Lists (Chap 7, 6 hours), Designing Classes (Chap 8, 3 hours), Input/Output and Exception Handling (Chap 11, 3 hours), Recursion (Chap 13, 3 hours), Intro. to Data Structures (Chap 16, 3 hours) , TBA (3 hours).

Do not panic and welcome to CS@RyersonU!