

Course Outline

Final

Revised January 7, 2015

Meetings

Type	Section	Days	Time	Location
Lecture	COMP 1406-C	Mon & Wed	1:05pm - 2:25pm	360 TB
Tutorial	COMP 1406-C1	Mon	4:05pm-5:25pm	4155 HP
	COMP 1406-C2	Wed	10:05am - 11:25am	4155 HP
	COMP 1406-C3	Tue	1:05pm-2:25pm	4155 HP

Instructor

Name	Email	Office	Office Hours
John Howat	jhowat@scs.carleton.ca	5380 HP	Mon & Wed, 3-5pm

Teaching Assistants

All TA office hours are held in 1170 HP. See cuLearn for the schedule.

Course Description

A second course in programming emphasizing problem solving and computational thinking in an object-oriented language. Topics include abstraction, mutable data structures, methods, inheritance, polymorphism, recursion, program efficiency, testing and debugging.

Topics Covered

The topics listed in the course description above will be covered in the context of Java and C++.

Prerequisites

One of COMP 1405, COMP 1005, ECOR 1606, SYSC 1005. Restricted to students registered in the B.C.S. program, combined Honours in Computer Science and Mathematics, Honours Computer Mathematics, and Honours Computer Statistics. Precludes additional credit for COMP 1406, SYSC 1101, SYSC 2004.

cuLearn

Students are expected to regularly check cuLearn for important announcements, assignments, references and readings, and grades.

Reading Materials

The official textbook for the course is *Think Like a Programmer: An Introduction to Creative Problem Solving* by V. Anton Spraul. Several freely available resources will also be posted to cuLearn.

Evaluation

Component	Weight	Date
Assignments	30%	Weekly (Jan 19 - Apr 6)
Tutorials	10%	Weekly (Jan 12 - Apr 1)
Quizzes	20%	Jan 28, Feb 25, Mar 18
Final Exam	40%	Scheduled by the University

Evaluation Note

You must pass the final exam to pass the course.

Assignments

There will be weekly assignments due Mondays at noon from January 19 until April 6. Assignments should be submitted on cuLearn. No late assignments will be accepted. You may **discuss the concepts** of your assignments with others, but your solutions and/or code must be **entirely your own**.

Tutorials	There will be weekly tutorials which will be completed in the tutorial section in which you are registered, from January 12 until April 1. Your lowest mark will be dropped. Tutorials may be worked on only during tutorial hours. No early or late tutorials will be accepted. You may discuss the concepts of your tutorials with others, but your solutions and/or code must be entirely your own .
Quizzes	There will be in-class quizzes on January 28, February 25, and March 18. Your lowest mark will be dropped.
Final Exam	There will be a final examination which will be scheduled by the University. It is your responsibility to be aware of the date, time, and location of the final exam. You must pass the final exam to pass the course.
Undergraduate Advisor	The Undergraduate Advisor for the School of Computer Science is available in Room 5302C HP, by telephone at 613-520-2600 x4364 or by email at undergraduate_advisor@scs.carleton.ca . The Undergraduate Advisor can assist with information about prerequisites and preclusions, course substitutions/equivalencies, understanding your academic audit and the remaining requirements for graduation. The Undergraduate Advisor will also refer students to appropriate resources such as the Science Student Success Centre, Learning Support Services and the Writing Tutorial Service.

University Policies

Student Academic Integrity Policy	Every student should be familiar with the Carleton University student academic integrity policy. A student found in violation of academic integrity standards may be awarded penalties which range from a reprimand to receiving a grade of F in the course or even being expelled from the program or University. Some examples of offences are: plagiarism and unauthorized co-operation or collaboration. Information on this policy may be found in the Undergraduate Calendar.
Plagiarism	As defined by Senate, “plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one’s own.” Such reported offences will be reviewed by the office of the Dean of Science. Unauthorized Co-operation or Collaboration Senate policy states that “to ensure fairness and equity in assessment of term work, students shall not co-operate or collaborate in the completion of an academic assignment, in whole or in part, when the instructor has indicated that the assignment is to be completed on an individual basis”. Please refer to the course outline statement or the instructor concerning this issue.

Academic Accommodations for Students with Disabilities

The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (if applicable) at:

<http://www.carleton.ca/pmc/students/dates-and-deadlines/>

Religious Obligation

Write to the instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website:

<http://www.carleton.ca/equity/>

Pregnancy Obligation

Write to the instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website:

<http://www.carleton.ca/equity/>

Medical Certificate

The following is a link to the official medical certificate accepted by Carleton University for the deferral of final examinations or assignments in undergraduate courses. To access the form, please go to:

<http://www.carleton.ca/registrar/forms/>