

COMP1406 - Introduction to Computer Science II

Course Outline for Winter 2019 (*January 4, 2019*)

Course Details

Lectures: Check your schedule on Carleton Central for times and locations for **your** section.

Tutorials: All tutorials take place in HP 4155. Please check Carleton Central for **your** day/time.

Course Website/Forum: Piazza (piazza.com/carleton.ca/winter2019/comp1406/home)

Teaching Team

Instructor: Jason Hinek (HP 5332)

Teaching Assistants: Alex, Alexi, Eliza, Forrest, Jake, Jeeheon, Kyle, Liam, Matthew, Mohab, Mohamed, Ryan, Shaelie, Songmi, and Xinting. (Office hours in HP 4125)

Lab Coordinators: Leila Chinaei and Sean Benjamin (evening labs).

Contact information and office hours for teaching team will be posted on Piazza once available.

Course Description

A second course in programming for BCS students, 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.

Precludes additional credit for COMP 1006, SYSC 1101 (no longer offered), SYSC 2004.

Prerequisite(s): one of COMP 1405, COMP 1005, ECOR 1606, SYSC 1005, BIT 1400.

Note: This course is a prerequisite for all core second year computer science programming courses (COMP 2401, 2402, 2404 and 2406). **In order to proceed to any of these courses you must obtain a C- (60%) or better in this course.**



Assessment

You must pass the averaged midterm/final exam in order to pass the course.

Assignments (6 assignments 5% each , 3 study assignments 1% each)	32%	(best 2 of 3 study assignments used)
Tutorials (best 8 of 10, 1% each)	8%	
Three Midterms (in-class, best 2-of-3, 15% each)	30%	You need to pass the average of these two components
Final Exam (date and location to be announced)	30%	



Note: You must pass the averaged midterm/final exam portion in order to pass the course. Of the 60 marks in total, you must receive at least 30/60.

Midterms

Midterms are written in class. The dates for each section are as follows:

Section	Midterm #1	Midterm #2	Midterm #3
Section A (Tues/Thurs 10:05am)	Thursday January 31	Thursday March 7	Tuesday March 26
Section B (Mon/Wed 11:35am)	Wednesday January 30	Wednesday March 6	Monday March 25
Section C (Tues/Thurs 2:35pm)	Thursday January 31	Wednesday March 7	Tuesday March 26

The best TWO out of the THREE midterm grades will be used for your final grade. Thus, everyone is allowed to miss one midterm (I DO NOT RECOMMEND MISSING ANY). If you are ill for a midterm, you DO NOT need to bring a doctor's note as that will count as your lowest grade of the three midterms. If you miss more than one midterm (for **any** reason), the second missed midterm will be recorded as 0/15 towards your final grade.

Assignments

You must complete your assignments independently and submit them on time. Instructions for assignment submission will be given when the course starts. It is expected that you will work together on assignments, but **you must write your own responses and code**. Do not post solutions to the discussion forums before the due dates.



Note: Late assignments will not be accepted for grades.

Tutorials

There will be **mandatory tutorials** in this course which will be counted towards your final grade. To achieve full marks you will need to show up on time and work on the tutorial material for the duration of the tutorial. You might be required to submit code that will be graded and count toward your tutorial grade.

Tutorials take place in **HP 4155**. Please consult your schedule for the day and time of your tutorial. Please note that **you must attend the tutorial section that you have registered for**.

Starting dates for tutorials are as follows:

Tutorial Section	Tutorial Start Date
Sections A1, A2, A3 (Fridays)	Friday January 11
Section C1, B3 (Mondays)	Monday January 14
Sections C2, B1 (Tuesdays)	Tuesday January 15

Final Exam Scheduling

The examination period for the Winter semester is April 12-27. The date and time of our exam will be announced (by the Registrar's Office) on February 15.



Note: Do not make travel plans until the exam dates are known as no advance (or alternate date) exams will be given.

Attendance

Although notes and resources will be available online, it is expected that you will attend class. In assignments and tests, you will be responsible for code examples, discussions, activities, and so on that you can only see if you attend and participate in lectures and tutorials.

Textbook

There is no textbook for the course. However, you might find Dr. Lanthier's course notes useful. <http://people.scs.carleton.ca/%7Elanthier/teaching/COMP1406/notes.html>

Lecture notes will be posted throughout the semester. Other links to free (online) resources may be posted on the course website.

SCS Computer Accounts

Any student taking an SCS course qualifies to have an SCS account. SCS accounts can be created at the following URL: <http://www.scs.carleton.ca/newacct>. SCS students can access one of the designated labs for your course.

The labs are operational 7 days a week 24 hours per day, please be advised that the building will be closed overnight, Mon. - Fri. 23:00 - 8:00 and on weekends from 17:00 - 8:00. Technical support is available in room HP5161 Monday to Friday from 9:00 until 17:00.

All SCS account related information is accessible at the following URL:

<http://www.scs.carleton.ca/nethelp>.

In this course we will use Java in this course. If you wish to work on assignments on your own machine please download the latest JDK from Oracle (it is free). **Be sure to install the JDK and not just the JRE.**

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

Undergraduate Academic Advisor

The Undergraduate Advisor for the School of Computer Science is available in Room 5302C HP, by telephone at 520-2600, ext. 4364 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 Services.

Requests for Academic Accommodation

You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

Pregnancy obligation

Please contact your 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:

carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

Religious obligation

Please contact your 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:

carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

Academic Accommodations for Students with Disabilities

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC 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 your instructor as soon as possible to ensure accommodation arrangements are made.

carleton.ca/pmc

Survivors of Sexual Violence

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and its survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: carleton.ca/sexual-violence-support

Accommodation for Student Activities

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your 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.

<https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

For more information on academic accommodation, please contact the departmental administrator or visit: students.carleton.ca/course-outline