COMP 1006/1406A

Introduction to Computer Science II

Course Outline for Summer 2018 (Updated July 4, 2018)

Course Details

Lectures: Tuesday & Thursday, 6:05pm - 8:55pm, Minto Centre 2000
Tutorials: All tutorials take place in HP 4155. Please check Carleton Central for your day/time.
Course Website: TBA + cuLearn

Teaching Team

Instructor: Jason Hinek (HP 5332)
Teaching Assistants: Alexander, Bence, Curtis, Farhoud, Forrest, Phillip and Shubham.
Lab Coordinator: Leila Chinaei.

Contact information and office hours for teaching team will be on cuLearn.

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 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.

<table>
<thead>
<tr>
<th>Assignments (5 main assignments, 2 study assignments)</th>
<th>27%</th>
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</thead>
<tbody>
<tr>
<td>Team Project (Demo in last week of classes during tutorials)</td>
<td>5%</td>
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<tr>
<td>Tutorials</td>
<td>8%</td>
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<tr>
<td>Midterm (in-class on Thursday, August 2nd)</td>
<td>25%</td>
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<tr>
<td>Final Exam (date and location to be announced)</td>
<td>35%</td>
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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. This means that you can fail the midterm (or final exam) and still pass the course but you cannot fail both.

We will have a mock midterm on July 24 (Tuesday) in class. We will have likely also have one in-class quiz each week that will not count 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 beginning the week of July 8. (We will have a special office hours on Wednesday July 3rd that anyone may attend.) 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.

Project

You will form teams of 4 (some exceptions will be made if the total number of students is not a multiple of 4). It is suggested that each team be in the same tutorial section. In the last week of classes (in your tutorial section), your team will present demonstrations of working code (based on the final assignment). More information about this will be given during the course.

Final Exam Scheduling

The examination period for the Late Summer semester is August 18-24. The time and place of our exam will be announced (by the Registrar's Office) at some time this summer.

Note: Do not make travel plans until the exam dates are known as no advance 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.

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**Textbook**

There is no textbook for the course. However, you find Dr. Lanthier's course notes useful. [http://people.scs.carleton.ca/~Elanthier/teaching/COMP1406/notes.html](http://people.scs.carleton.ca/~Elanthier/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.

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**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](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](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](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.

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://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines

Religious Obligation

Write to me 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://www2.carleton.ca/equity/
Pregnancy Obligation

Write to me 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://www2.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