COMP 1405A
Introduction to Computer Science I
Course Outline for Fall 2020 (Updated Sept 8, 2020)

This course will be entirely online.
All times are in EDT (local Ottawa time)
Please note the midterm dates that are updated.

Course Details

Instructor: Jason Hinek
Contact: jasonhinek@cunet.carleton.ca

Lectures: Tuesdays & Thursdays, 1:05pm – 2:25pm (online)
Tutorials: Wednesdays, 11:35am - 12:55pm (online)

Teaching Assistants: A list of teaching assistants and their contact/office hour information will be posted to cuLearn once the course starts.

Lab Coordinator: Farah Chanchary
Contact: farahchanchary@cunet.carleton.ca

Course Calendar Description

A first course in programming, emphasizing problem solving and computational thinking. Topics include pseudocode, variables, conditionals, iteration, arrays, objects, functions, sorting, searching, and simulation.

Learning Modality

This course is entirely online. Lectures will be a combination of live classes (held during the scheduled class times) and pre-recorded classes. Live classes will be recorded and posted to the course webpage within 24 hours. Pre-recorded lectures will be posted 24 hours before the scheduled class time and class time will be spent working through examples, live coding, class discussions and Q&A.

We will use Zoom for all live classes (and tutorials). Tutorials will also be online using Zoom.
Assessment

<table>
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<tr>
<th>Assignments: 5 main assignments, 2 midterm assignments</th>
<th>42%</th>
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<tbody>
<tr>
<td>Tutorials: weekly</td>
<td>8%</td>
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<tr>
<td><strong>Study Group Participation:</strong> throughout the semester</td>
<td>5%</td>
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<td><strong>Midterms:</strong> two in-tutorial midterms: October 21 and November 25</td>
<td>20%</td>
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<tr>
<td><strong>Final Exam (Date TBA by university on Oct 9th)</strong></td>
<td>25%</td>
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Note: There is a DOUBLE PASS requirement needed to pass the course.

Double Pass Requirement

In order to pass this course, you must pass the assignments+tutorial component of the grading scheme and you must pass the midterms+final component. For example, a student that does not attend any tutorials but receives a grade of 55% for each assignment (i.e., passes the assignments component) will automatically fail the course because their total assignments+tutorials grade is 0×0.08 + 54×0.42 = 23.1 out of a possible 50.

Note that the double pass requirement does not include the study group participation grade. If a student fails the course because of the double pass requirement AND if modifying ONE of the grade components to include the study group mark would result in a pass then this will be applied.

Assignments

Assignments will mostly involve writing Python code. The majority (if not all) of the marks will be based on the correctness of your code. Assignments submitted late will be subject to a late penalty as follows:

<table>
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<th>Late Period</th>
<th>Penalty</th>
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<tr>
<td>0-12 hours late</td>
<td>10% of your grade deducted</td>
</tr>
<tr>
<td>12-24 hours late</td>
<td>20% of your grade deducted</td>
</tr>
<tr>
<td>24-48 hours late</td>
<td>30% of your grade deducted</td>
</tr>
<tr>
<td>More than 48 hours late</td>
<td>Assignment is not accepted</td>
</tr>
</tbody>
</table>
For example, if you submit 14 hours late and your grade (without penalty) was 74%, then your grade with penalty will be $(74 \times 0.8)\% = 59.2\%$. If you submit 30 hours late with the same assignment, your grade with penalty would be $(74 \times 0.7)\% = 51.1\%$. Note that your LAST submission to cuLearn will be the one that is graded and penalties will be based on when that last submission is made. cuLearn allows you to submit multiple times but does NOT keep all of your submissions stored.

You may speak with TA’s or the instructor if you need help, and are encouraged to discuss things with your study group and other classmates. But, you must write your own responses and code. Do not post or share solutions or partial solutions with anyone. A breakdown of each assignment (due date) will be given when classes start. Midterm assignments will be due when your midterm starts. More details of the midterm assignments will be given in class.

**Regret Clause:** If you have committed an academic violation (plagiarism), you have **72 hours** from the due date of an assignment (not from when you submit it) to invoke this regret clause. If you do, you will receive ZERO for the assignment but will not receive any further sanctions from the Dean’s office. Your assignment will still be used when we are checking for plagiarism but you would not face any further sanctions if it was decided that you had committed an academic violation.

For example, if you collaborated too closely with another student and this is discovered, you would not be further sanctioned. The other student, if they did not also invoke this clause, may still be further sanctioned by the Dean’s office.

**Appeals:** You have 1 week to verify the correctness of your grades. You must email the TA that graded your assignment within 1 week of the grades being posted to seek a correction. No appeals will be accepted after this 1 week period.

**Tutorials**

Tutorials will be held online. You will work with your study group in tutorials. Tutorial grades will be based on attendance, participation and making progress on the tutorial problems. Midterms will be written during tutorial times (and we will not have a tutorial on those days).

**Midterms**

Midterms will be written, online, during the regular scheduled tutorial times.

**Appeals:** You have 1 week to verify the correctness of your grades. You must email the TA that graded your midterm within 1 week of the grades being posted to seek a correction. No appeals will be accepted after this 1 week period.
Final Exam Scheduling

The examination period is December 12-23. The time for our exam will be announced by the University by October 9th. Be sure that you are not in transit during this period of time. Travel plans are not an excuse to miss the final exam.

Attendance

Attendance is optional for classes and tutorials except during midterms or other activities (to be specified). That being said, class and tutorial times will be opportunities to ask the instructor/TAs questions and get real-time feedback. Some material may be presented only in class. A video recording of class times will be posted after the class. We will either use BigBlueButton or Zoom.

Study Groups

Every student in COMP1405 will be part of a Recognized Study Group. More details will be given when the semester starts.

Workload

The expected workload is high. In typical offerings of this course, it is expected that students in this course will spend 9 or more hours each week for this course in addition to class and tutorial time.

This course has a high workload. It is expected that you will spend 10 or more hours per week (on average) throughout the term.

Textbook

We will be using an online textbook (and learning environment).

The public version of this book can be found at https://runestone.academy/runestone/books/published/thinkcspy/index.html

We will be using a private version of the book that you will have to login to each time. Details of this will be when class starts. (The content will be the same as the public version unless we make changes during the semester).

Additional notes/videos may be posted to cuLearn. Recordings from lecture time will be posted to cuLearn (barring any technical issues).
Undergraduate Academic Advisor

The Undergraduate Advisor for the School of Computer Science is available by email (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/Unauthorized Co-operation or Collaboration

As defined by the University 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.

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".

Different technologies will be used to detect plagiarism of submitted code.
For more information about the consequences of academic violations, please read
https://science.carleton.ca/academic-integrity/

In particular, note the standard penalties for violations to Carleton’s Policy on Academic Integrity

- **First offence, first-year students (< 4.0 credits completed):** No credit for assessment(s) in question, or a final grade reduction of one full letter grade (e.g., A- becomes B-), whichever is a greater reduction
- **First offence (anyone else):** A grade of F in the course
- **Second offence (anyone):** A grade of F in the course and a one-term suspension from studies
- **Third offence:** Expulsion from the University

**Academic Accommodations**

**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:

- **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 is 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

- **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:

- **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
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.


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