COMP 1005/1405
Introduction to Computer Science I

Course Outline for Spring 2021

Course Details

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

Lectures: Tuesdays & Thursdays, 12:05pm – 2:55pm (online)
Tutorials: Wednesdays, 6:05pm – 8:55pm (online)

Lab Coordinator: Leila Chinaei (contact info on Brightspace)

Teaching Assistants: TBA (contact info will be posted on Brightspace)

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 pe-recorded videos and live classes (held during the scheduled class times). Live classes will be recorded and posted to the course webpage within 36 hours of the class. Pre-recorded lectures will be posted 48 hours before the scheduled class time and class time will be spent either going through the video or working through examples, live coding, class discussions and Q&A.

Assessment

Assignments: 5 main assignments (10% each) + 1 or 2 study assignments	55%
Midterm: one midterm (**TBD**: Monday May 31st OR Tuesday June 1st)	15%
Final Exam (Date TBA by university)	30%

Assignments

Assignments will mostly involve writing Python code (but may also include other tasks). The majority (if not all) of the marks will be based on the **correctness** of your code.

Because of the condensed nature of the course, no late assignments will be allowed.

You may speak with TA's or the instructor if you need help, and are encouraged to discuss things with 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. More details of the study assignment(s) will be given in class.

Tutorials

Tutorials will be held online. There will be tutorial content posted but nothing needs to be submitted. There are no grades for tutorials. **However, any material from tutorials is considered course content and may appear on the midterm or final exam.**

Approximately 1/3 of each tutorial will consist of an assignment workshop for the assignment due the following week. The remaining 2/3 of each tutorial will be open office hours to get help with that week's tutorial material, course material or the assignment due the same week. Tutorials will take place on discord.

Midterm

As Brightspace has replaced cuLearn, the details and date of the midterm will not be known until after the course begins. The *intention* is to have the midterm on Monday, May 31st where the midterm is fixed time but can be written in a larger window range (for example, a 1.5 hour midterm in which you can start any time in a 12-hour window). However, if the technical issues

with Brightspace for this to happen cannot be resolved, we will have a midterm that is *in-class* on Tuesday, June 1st.

Appeals

You have 5 days (from when grades are posted) to verify the correctness of your grades. You must email the TA that graded your assignment/midterm within 5 days of the grades being posted to seek a correction. No appeals will be accepted after this 5 day period.

Final Exam Scheduling

The examination period is June 21–27. . The time for our exam will be announced by the University. Be sure that you are not in transit during this period of time. Travel plans are not an excuse to miss the final exam.

⚠️ This course has a high workload. It is expected that you will spend 20 or more hours per week (on average) throughout the term. ⚠️

Attendance

Attendance is optional for everything except the midterm and final exam.

All class content will be available online (as recorded content),

Note that class and tutorial times will be opportunities to ask the instructor/TAs questions and get real-time feedback.

Workload

The expected workload is high. This is a **condensed course** and it is expected that students in this course will spend an average of 20 hours or more each week for this course.

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 Brightspace. Recordings from lecture time will be posted to Brightspace (barring any technical issues).

Undergraduate Academic Advisor

 The Undergraduate Advisor for the School of Computer Science is available by email (scs.ug.advisor@cunet.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.

SCS Computer Laboratory

SCS students can access one of the designated labs for your course. The lab schedule can be found at: https://carleton.ca/scs/tech-support/computer-laboratories/. All SCS computer lab and technical support information can be found at: https://carleton.ca/scs/technical-support/. Technical support is available in room HP5161 Monday to Friday from 9:00 until 17:00 or by emailing SCS.Tech.Support@cunet.carleton.ca.

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*".

For more information about the consequences of academic violations, please read
https://science.carleton.ca/academic-integrity/

In particular, note the standard penalties in the Faculty of Science 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

⚠ Different technologies will be used to detect plagiarism of submitted code. ⚠

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

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: 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

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