

An introductory course in computer science and programming for Arts and Social Science students. This course emphasizes logic, problem solving and computational thinking using a friendly, high-level language with emphasis on creating computer graphics. Topics include data representation, logic, programming fundamentals (sequence, selection repetition), abstraction, modularity, debugging, and some light algorithms. Content to include Python, Excel, and optionally an introduction to HTML/CSS/Javascript

Course Information

Instructor Name
Contact Information

Darryl Hill
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Lecture Hours*
Mondays and Wednesdays
10:05 – 11:25
Via **Zoom** ([Zoom link on cuLearn](#))

Office Hours
TBD
Or by appointment

Course Website
<https://www.carleton.ca/culearn/>

Important Links (Zoom, Discord, Textbook)
<https://www.carleton.ca/culearn/>

Recommended Textbook

There are no official textbooks for this class. As a resource you may use the following online textbook: [How to Think Like a Computer Scientist](#). Another great resource is [w3schools Python section](#).

Assessment Scheme

Your performance in this course is assessed using several components. These include **five (5) assignments**, **two (2) quizzes**, and a **final examination** (scheduled by the registrar). Final grades will be determined using the scheme described below, and **no extra credit assignments will be provided under any circumstances**.

Quizzes (x2) (15 % each)	30 %
Assignments (x5) (8 % each)	40 %
Final Examination	30 %

Assignments are mandatory and you will **use cuLearn to submit your assignments**. The assignment component of your final grade is computed from the score you receive on each assignment; **the lowest assignment grade will not be "dropped"**. You are expected to work on your assignments consistently once they are released (uploading your progress at least daily). As a result, **you will never be granted an exemption from an assignment, even for a legitimate medical reason**.

Quizzes will be held during the class they are scheduled for and will be **open-book**.

It is your responsibility to ensure that your quiz and assignment marks posted to cuLearn are correct within two weeks of the date the marks were released. Concerns or complaints about the grading of must be communicated (first to the teaching assistant, then, if the result is unsatisfactory, to the instructor) within that time. **After those two weeks, all marks are considered final and will not be changed under any circumstances**.

Alternate Structured Learning

(i.e., what is different about this semester given the social distance restrictions of COVID-19)

As you are probably aware, this offering of COMP1001 Introduction to Computational Thinking will be offered differently from past iterations. Due to the social distancing restrictions surrounding COVID-19, this iteration of COMP1001 will be delivered using an "alternate structure".

The **delivery** of material will consist of the following:

- 1) **Lectures** will be given live via **Zoom**. They will also be recorded, published on either **YouTube** or **cuLearn**, and the videos will have a link on **cuLearn**.
- 2) **Assignments** will be programmed using **Python** and/or **Excel** and are uploaded to **cuLearn**.
- 3) **Quizzes** will be activities (quiz or assignment activities) on **cuLearn** that must be done during class time.
- 4) **Office hours**, and all questions pertaining to **tutorials, lectures, quizzes, and general course material** will be conducted / answered on **Discord**.
- 5) **The final exam** will be a 2 hour quiz activity on **cuLearn**. The precise timing of delivery must be coordinated with Exam Services, and is yet to be determined.

Discord will be the primary communication tool between the teaching staff and students outside of lectures. Since **Discord** is primarily a message board, it offers **accessibility** in terms of low bandwidth requirements and asynchronous nature (you do not have to be immediately present to benefit from the interactions of others). It also offers **flexibility** in terms of video and audio chat, desktop sharing, etc.

DO NOT let the lack of face-to-face contact isolate you. The advantage of University over other models of learning is that it is a social environment. **STAY CONNECTED. Off topic rooms on our Discord server will be available, and their use encouraged.** Get to know your fellow students. Collaborate. **Discussion of material, problems and approaches to solving them** is highly encouraged. **DO NOT publicly post complete solutions, but DO describe techniques, approaches, give hints, etc.** And **BE SURE TO WRITE YOUR OWN SOLUTIONS.**

Unacceptable collaboration: "Here is my solution:"

Acceptable collaboration: "I found using a for-loop for that part worked for me."

Important Considerations

The late assignment policy is detailed on each assignment. Assignments submissions are handled electronically (i.e., through cuLearn) and **there is no "grace period"** with respect to a deadline - **an assignment submitted even one minute after the deadline is late and will receive the penalty described on the assignment specification.**

Technical problems do not exempt you from this requirement, so if you wait until the last minute and then have issues with your connection, you will still receive the penalty. Consequently, you are advised to:

- **periodically upload you progress** (i.e., upload your progress at least daily)
- attempt to **submit your final submission at least one hour in advance** of the due date and time

For each assignment, you will be submitting a zip file with the precise file structure as outlined in the assignment. This is extremely important if we decide to utilize an automated marking script. **If the interface does not match what the automated marking program expects you will get 0 on that section.**

If any of the files you submit cannot be opened it will receive a mark of zero. Consequently, **after you upload your submission** to cuLearn you must **re-download it immediately** and ensure that **your submission is the correct type of file and has the correct filename.**

Students with an **illness during the span of time a quiz is offered might be granted an exemption** only if they provide a copy of the **Carleton University Self Declaration Form** (<https://carleton.ca/registrar/wp-content/uploads/self-declaration.pdf>). **Please note that a student cannot, for any reason, be exempted from more than one (1) of the quizzes.** Furthermore, because assignments and reading activities are posted well in advance of their due dates, **illness does not excuse a student from completing an assignment or a reading activity.** No provision is made for missed assignments, and no extra credit assignments will be available.

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 or 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.

You must also read:

<http://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/>

Additional Notes

In addition to the time spent **attending lectures** and **completing tutorials**, students can expect to spend **at least nine (9) hours per week on this course**. **Students are responsible for all course materials**, including lecture notes, tutorial exercises, and all materials discussed in class and on any of the official discussion boards.

Students are asked to **pose all questions related to course content using the official discussion boards** on cuLearn; **students should not email** the instructor directly **unless the question contains confidential information** or is of a personal nature.

The instructor will **attempt to answer every student email received within three business days** of the time the message was received, **unless the email requests information already posted** on cuLearn or in the course outline. To ensure that all announcements are received, **students are expected to check their email on a daily basis**.

All materials created for this course (including, but not limited to, lecture notes, in-class examples, tutorial exercises, assignments, examinations, and posted solutions) **remain the intellectual property of the instructor**. These materials are intended for the personal and non-transferable use of students registered in the current offering of the course. **Reposting, reproducing, or redistributing any course materials**, in part or in whole, without the written consent of the instructor, **is strictly prohibited**.

Plagiarism Policy

There is a separate plagiarism policy document for this course that is located on cuLearn. **Students must read this document thoroughly** and **must agree to adhere to this policy** (and to all policies stated in this course outline) **before the assignment resources will be made available**.

Students are invited to discuss any concerns with the instructor at the earliest opportunity. If you are unsure of the expectations regarding academic integrity (how to use and cite references, how much collaboration with lab- or classmates is appropriate), **ASK** your instructor. Sharing assignment or quiz specifications or posting them online is considered academic misconduct. You are never permitted to post, share, or upload course materials without explicit permission from your instructor. Academic integrity offences are reported to the office of the Dean of Science. Penalties for such offences can be found on the ODS webpage: <https://science.carleton.ca/academic-integrity/>

University Policies

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:

<https://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:

<https://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.

<https://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 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:

<https://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:

<https://students.carleton.ca/course-outline>