## Overview

Welcome to CSC108H! This course provides an Introduction to Computer Programming. By the end of this course, you should be comfortable programming in Python, understand why good style is critical, and be familiar with core computer science topics like algorithms and complexity.

The course website is at: `http://www.teach.cs.toronto.edu/~csc108h/fall`

The website is required reading. It contains important information: assignment handouts, the policy on missed work, links to the online discussion forum (Piazza) and the announcements page (Blackboard), and more. You are responsible for all announcements made in lecture and on Blackboard.

The textbook, *Practical Programming (2nd ed): An Introduction to Computer Science Using Python 3*, is available as an eBook at: `http://pragprog.com/book/gwpy2/practical-programming`

## Instructor Information

| | | |
|---|---|---|
| **Instructor** | Jacqueline Smith | Eyal de Lara |
| **Office** | BA 4262 | BA 5234 |
| **Office Hours** | See course website | See course website |
| **Email** | `jsmith@cs.toronto.edu` | `delara@cs.toronto.edu` |
| **Lecture Sections** | L0102 M 10–11 in HS 610, WF 10–11 AH 100<br>L5101 W 6–9 in MS 3154 | L0101 MWF 10–11 in WB 116<br>L0201 MWF 1–2 in MB 128 |

Jacqueline is the course coordinator, which means that she deals with all administrative issues: missed work, problems with your grades, problems with assignment partners, the course website, and TA issues.

For electronic communication, please use email from your UTOR address for personal issues and the discussion forum to ask general course-related questions. For email, include "108" in the subject line and sign your full name.

## Marking Scheme

| **Work** | **Weight** | **Comment** |
|---|---|---|
| Prepare Exercises (11) | 5% | Each worth 0.5%. By **start** of week (weeks 2–12); best 10 of 11 |
| Perform Exercises (10) | 9% | Each worth 1%. By **end** of week (weeks 2–5,7–12); best 9 of 10 |
| Assignments (3) | 21% | A1 is worth 5%; A2 and A3 are each worth 8% |
| Midterm Test | 15% | |
| Final Exam | 50% | You must get 40% or above on the exam to pass the course; otherwise, your final course grade will be no higher than 47%. |

## Prepare, Rehearse, Perform

Each week, you will use an online tool called the Programming Course Resource System (PCRS) to view course materials and complete exercises. The weekly tasks are divided into three phases:

| | |
|---|---|
| **Prepare (5%)** | We will post lecture videos and problems that cover the course topics for the upcoming week. After watching the videos and working through the problems, you must complete the Prepare exercise. Each Prepare exercise is worth 0.5% (best 10 of 11) and is due Sunday by 9:00pm. |
| **Rehearse** | Next, you will practice applying the concepts covered in the lecture videos by completing activities of various kinds and working through more complex examples.<br>In the on-campus sections, you'll practice the material with the support of your instructor and teaching assistants in lecture. (CSC108H is being run as an *inverted class*.) |
| **Perform (9%)** | Finally, using the PCRS, you'll complete a Perform exercise based on material covered in the Prepare and Rehearse phases. Each Perform exercise is worth 1% (best 9 of 10) and is due Friday by 6:00pm. |

## Accessibility Needs

The University of Toronto is committed to accessibility. If you require accommodations or have any accessibility concerns, please visit `http://www.accessibility.utoronto.ca` as soon as possible.

**Midterm and Exam**

The midterm test will take place on Wednesday 19 October and will cover material from lectures, exercises, and assignments. The test will be written in your lecture timeslot at locations that will be announced on the course website. **You must write in the lecture section you are registered in.**

The final exam covers the whole course, and takes place, naturally enough, after classes are over. The date of the exam is set by the Faculty of Arts & Science, and will be available in October.

**Assignments**

Assignment 1 must be completed alone. For Assignments 2 and 3, you are permitted, and in fact encouraged, to work with a partner. For policies on declaring partnerships, instructions for submitting work, tips on working with a partner, and information on dissolving partnerships, see the course website.

Assignment handouts will be available on the course website. Late penalties will be applied as follows: There is a one hour grace period in which no late penalty will be applied. For the next five hours, the deduction will be 5% per hour. For each hour above six hours, the deduction will be a further 15% per hour. After 10 hours, assignments will not be accepted. See the course website Assignments page for an hourly breakdown of the late policy and the Forms page for what to do in case of serious emergencies.

**Term Schedule**

| Week | **M–F Dates** | **Course Work** | **Reminders** |
|---|---|---|---|
| 1 | 12–16 Sep | Check out the PCRS. | Classes start! Yippee! |
| 2 | 19–23 Sep | Prepare (Sun 9pm); Perform (Fri 6pm) | Sun 25 Sep: Last day to add courses |
| 3 | 26–30 Sep | Prepare (Sun 9pm); Perform (Fri 6pm) | |
| 4 | 03–07 Oct | Assignment 1 (Tue 9pm)<br>Prepare (Sun 9pm); Perform (Fri 6pm) | |
| 5 | 10–14 Oct | Prepare (Sun 9pm); Perform (Fri 6pm) | Mon 10 Oct: Thanksgiving<br>Fri 14 Oct: Exam timetable posted |
| 6 | 17–21 Oct | Midterm Test: Wed 19 Oct<br>Prepare (Sun 9pm); No Perform due! | |
| 7 | 24–28 Oct | Prepare (Sun 9pm); Perform (Fri 6pm) | |
| 8 | 31 Oct–04 Nov | Assignment 2 (Tue 9pm)<br>Prepare (Sun 9pm); Perform (Fri 6pm) | |
| 9 | 07–11 Nov | Prepare (Sun 9pm); Perform (Fri 6pm) | Mon 07 Nov: Last day to drop courses<br>07–08 Nov: Fall break |
| 10 | 14–18 Nov | Prepare (Sun 9pm); Perform (Fri 6pm) | |
| 11 | 21–25 Nov | Prepare (Sun 9pm); Perform (Fri 6pm) | |
| 12 | 28 Nov–02 Dec | Assignment 3 (Tue 9pm)<br>Prepare (Sun 9pm); Perform (Fri 6pm) | Classes end for night section! Yippee! |
| +1 | 05–07 Dec | | Classes end for daytime sections! Yippee! |

**Academic Offenses**

All of the work you submit must be done by you (A1, all Exercises) and your partner (A2, A3) only, and your work must not be submitted by someone else. Plagiarism is academic fraud and is taken very seriously. The department uses software that compares programs for evidence of similar code. Please read the Rules and Regulations from the U of T Governing Council (especially the Code of Behaviour on Academic Matters):

`http://www.governingcouncil.utoronto.ca/policies/behaveac.htm`

Please also see the information for students from the Office of Student Academic Integrity:

`http://www.artsci.utoronto.ca/osai/students`

Please don't cheat. We want you to succeed and are here to help. Here are a couple of general guidelines to help you avoid plagiarism:

- Never look at another assignment solution, whether it is on paper or on the computer screen. Never show another student (other than your partner) your assignment solution. This applies to all drafts of a solution and to incomplete solutions.
- **If you find code on the web that solves part or all of an assignment, do not use or submit any part of it!** A large number of the academic offenses in CS are between students who have never met, and who just happened to find the same solution online. If you find it, someone else will too.
- The easiest way to avoid plagiarism is to only discuss a piece of work with your partner, the CSC108H TAs, the CS Help Centre TAs, or the CSC108H instructors.