

Course Syllabus



Last updated: May 11th (AI Tools Policy) [PENDING APPROVAL]

Course email address: csc207-2023-05@cs.toronto.edu (<mailto:csc207-2023-05@cs.toronto.edu>)

Course coordinator: Robert (Rupert) Wu

Lab coordinator: Sophia Huynh

Instructional support: Milena Pandy

Description

An introduction to software design and development concepts, methods, and tools using a statically-typed object-oriented programming language such as Java. Topics from: version control, unit testing, refactoring, object-oriented design and development, design patterns, advanced IDE usage, regular expressions, and reflection. Representation of floating-point numbers and introduction to numerical computation.

Weekly Schedule

Activity Session	Time	Location	Instructor/TAs
Lecture (LEC 5101)	T18-20 (Tuesdays, 6-8PM)	BA 1160	Rupert
Lab/Tutorial (TUT 5101)	R18-20 (Thursdays, 6-8PM)	BA 2200 BA 3175 BA 3185 BA 3195	Radian Huakun Pritish KyoKeun/Myles
Instructor Office Hours	T16-18 (Tuesdays 4-6PM)	BA 2283	Rupert
TA Office Hours	F12:30-13:30 (Fridays 12:30-1:30PM)	TBD*	Pritish

* to be determined based on results of a [Piazza poll \(https://piazza.com/class/lhezn6infr55th/post/7\)](https://piazza.com/class/lhezn6infr55th/post/7).

Course Project

The primary piece of term work in this course is a group project (teams of around 4–6 students). Between Weeks 2-4, we will be meeting during the Thursday lab/tutorial time slots to work on weekly activities in small groups. We strongly encourage you to actively participate in these sessions, as it will help you find potential members for your project team. Later sessions will be dedicated to working on the project milestones and consulting with your TAs.

You need to achieve at least 40% on the course project; otherwise, your course grade will be no higher than 47% and you cannot pass the course.

Final Exam

The final exam is a comprehensive exam. **You need to achieve at least 40% on the final exam; otherwise, your course grade will be no higher than 47% and you cannot pass the course.**

Marking Scheme

Course Work Title	Weight	Due Date / Notes
Java Quizzes	4%	Four quizzes (1% each) due June 10th on Quercus.
Java Coding Exercises	4%	Four exercises (1% each) due June 11th on GitHub Classroom.
Midterm Exam	15%	To be scheduled by the Faculty of Arts & Science (between June 21-26)
Design Quizzes	5%	Five quizzes (1% each) on Quercus. (Due June 12th, July 8th, 15th, 23th, 30th)
AI-Assisted Design Exercise	5%	Use ChatGPT to assist the design of a simple program. (Due August 6th)
Course Project	30%	Milestones completed throughout the term contribute to your final project grade: <ol style="list-style-type: none"> 1. Blueprint (Week 5: June 4th) 2. Initial Design (Week 7: June 19th) 3. Implementation Plan (Week 8: July 16th) 4. Main Implementation (Week 11: Aug 5th) 5. Presentation (Lab 12: Aug 10th) + Revised Implementation (Week 12: Aug 12th)
Final Exam	37%	To be scheduled by the Faculty of Arts & Science (between Aug 17-25)

Tutorials/Labs

These Thursday night sessions will include some tutorial instruction by your TAs and an opportunity to work on and seek help with coursework and your understanding. Attendance is very important since this is where most project groups are formed and later collaborate and consult with their TAs on their milestones.

- The terms "lab" and "tutorial" might be used interchangeably to mean the same sessions on Thursdays at 6-8pm.
- Lab numbering aligns with week numbers, where #1 is skipped in Week 1.
- Please also use these opportunities to interact with your classmates and potential group members.
- Initial room assignments will be made in the beginning of Week 2.
- Starting from Lab 5, your project group should be formed and remain in the same lab room with the same TA unless you're moved for balancing reasons.
- Later labs will primarily be co-working and TA consultation sessions for your project.
- The final session (Lab 12) will be reserved for schedule presentations of your project.

Textbook

Most of the core design concepts discussed in this course can be found in [Clean Architecture](#) by Robert Martin. The textbook is optional, but highly recommended. Past students have indicated that they found the textbook to be very useful.

Piazza

We will be using Piazza for class discussion. The system is highly catered to getting you help fast and efficiently from both classmates and instructors. Rather than emailing course content specific questions to the teaching staff, we encourage you to post such questions on Piazza — don't be shy! If you have any problems or feedback for the developers, you can email team@piazza.com (<mailto:team@piazza.com>). From experience, they are very responsive and even open to implementing missing features!

Find our class signup link at: <https://piazza.com/utoronto.ca/summer2023/csc207h1y>
(<https://piazza.com/utoronto.ca/summer2023/csc207h1y>)

Late Policy

You are responsible for meeting all deadlines. No late work will be accepted barring exceptional circumstances.

If you're experiencing illness, mental health crises, family/personal emergencies, or other exceptional circumstances beyond your control that prevent you from being able to complete an assessment on time, you can apply for special consideration by downloading and filling out [this Special Consideration Request Form](#) ↓ (https://q.utoronto.ca/courses/305472/files/26160410/download?download_frd=1) and emailing it to csc207-2023-05@cs.toronto.edu (<mailto:csc207-2023-05@cs.toronto.edu>) in advance of the due date (the sooner the better). We'll make appropriate accommodations, for example, re-weighting of missed term work.

Requests can be made for any individual assessments provided the reasons are acceptable. For example, if a quiz is available for three weeks, we would only provide an extension if you were sick for most of that timeframe (i.e. perhaps two weeks). In your project groups, everyone is collectively responsible for every piece of work, so the expectation is that the group tries making up for exceptional circumstances. If this isn't possible, please contact your assigned TA.

Please note that special consideration cannot be granted to accommodate for full-time jobs, heavy course load, multiple assignments and/or tests scheduled during the same period, or challenges with time management.

Reread/Regrade Requests

If an assessment was submitted/graded on MarkUs, submit any regrade requests there directly. Otherwise, fill out the [main form](#). All requests will be processed before final course grades are submitted.

Accessibility

If you have an acute or ongoing disability issue or accommodation need, you should register with Accessibility Services (AS) at the beginning of the academic year by visiting <http://www.studentlife.utoronto.ca/as/new-registration> (<http://www.studentlife.utoronto.ca/as/new-registration>). Without registration, you will not be able to verify your situation with your instructors. AS will assess your situation, develop an accommodation plan with you, and support you in requesting accommodation for your course work. Remember that the process of accommodation is private: AS will not share details of your needs or condition with any instructor, and your instructors will not reveal that you are registered with AS. Please reach out to the course address if you have any questions or concerns.

Academic Integrity [May 11: update regarding AI tools]

Plagiarism is academic fraud and is taken very seriously. Please familiarize yourself with the Rules and Regulations from the U of T Calendar (especially the Code of Behaviour on Academic Matters): <http://www.artsci.utoronto.ca/osai> (<http://www.artsci.utoronto.ca/osai>)

While we strongly encourage you to engage in discussion with your fellow classmates while learning the course material, **any work you submit must be your own**. This also means that the use of AI tools such as Bard and ChatGPT (even with citation/attribution) for coursework is strictly forbidden.

- The one and only exception is the AI-Assisted Design Exercise, where you're explicitly instructed to use ChatGPT and upload the conversation.