CSC207H5 F

Fall 2025 Syllabus

Course Meetings

CSC207H5 F

Section	Day & Time	Delivery Mode & Location
LEC0104	Friday, 9:00 AM - 11:00 AM	In Person: IB 120
LEC0103	Tuesday, 1:00 PM - 3:00 PM	In Person: KN 137
LEC0101	Monday, 5:00 PM - 7:00 PM	In Person: IB 245

Refer to ACORN for the most up-to-date information about the location of the course meetings.

Course Contacts

Course Website: https://mcs.utm.utoronto.ca/~207/25f

Instructor: Arnold Rosenbloom
Email: arnold@cs.toronto.edu
Phone: 905-828-5352
Office Hours and Location: Thursday 12-2 (DH-3088)

Instructor: Marc De Benedetti
Email: marc.debenedetti@utoronto.ca
Office Hours and Location: Monday 2-3 (DH-3019)

Teaching Assistant: TAs
Office Hours and Location: Thursday 1-4 DH-2034 Friday 2-5 DH-2034

Course Overview

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, build management, 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.

Course Learning Outcomes

In all that follows, we expect students will demonstrate understanding by the effective use of tools, techniques, and background knowledge up to the standard expected by an industry professional and an academic.

- Knowledge and use of a statically, strongly typed OO programming language and associated tools to solve large software development tasks in a team environment.
- Effective implementation of software development methodologies and strategies, specifically agile development techniques, in working with a team to produce and modify software artifacts.
- Explain, justify, and critically use Object Oriented Programming tools, Design Patterns, a professional IDE, and GIT for project management
- Develop via an iterative, agile methodology such as Scrum
- Understand the architecture of, and be able to effectively develop GUI-based applications
- Effectively use persistence and communication for an application, including the design and implementation of grammars for serializing and deserializing data and algorithms for parsing such data.
- Introductory understanding of, and ability to effectively use multicore processors in a high-level language.
- Introductory understanding of the representation of real numbers on modern computer systems and the consequences of these representations on numerical algorithms.

Prerequisites: (60% or higher in CSC111H5) or (60% or higher in CSC148H5)(Only CSC111H5 or CSC148H5 taken at the UTM campus will be accepted.)
Corequisites: None
Exclusions: CSC207H1 or CSCB07H3
Recommended Preparation: None
Credit Value: 0.5

This year, with the help of IITS, we may run midterms and final exams on lab systems. This will require that you can personally demonstrate the abilities and understanding practiced on assignments and tutorials. It is very important that you are personally sufficiently capable with the course material, without assistance from other individuals, or from outside tools, like Large Language Models, which will not be available during these supervised examinations. More information on this initiative will be made available as we coordinate with IITS.

Marking Scheme

Assessment	Percent	Details	Due Date
Labs	5%	Attendance in labs, participation and submissions may be marked for each lab.	Ongoing
A1	10%		2025-10-05

Assessment	Percent	Details	Due Date
Term Test	20%	This test may take place on lab systems. Details will be made available as we coordinate with IITS on this initiative.	2025-10-25
A2	15%		2025-11-09
A3	10%		2025-12-02
Final Assessment	40%	This final exam covers all material covered in the course. It may take place on lab systems. More details will be made available as we coordinate with IITS on this initiative.	Final Exam Period

You must achieve a minimum of 40% on the final exam; failure to do so will result in a maximum mark of 47 for the course.

Physical attendance in Labs is required to receive lab marks, with the following exception: You may submit 2 labs without physical attendance.

If you feel there was an error in the marking of an assignment or test, you may request a remark. You must give a specific reason for the request, referring to a possible error or omission by the marker. Stating specific potential grading errors for your remark request is mandatory for us to even consider your request. However, we will review your entire work, not just the items you pointed out. Please keep in mind that your grade may stay the same, may increase, or may even decrease, after your remark request is assessed. Remark requests must be received within four days of when you received the grade for that item.

Late Assessment Submissions Policy

20% if handed in up to 48 hours after the due date, not accepted after that.

If you miss the midterm (for a valid reason), its weight will be added to the final.

In the event of an illness or other catastrophe, please contact your instructor; and use the Acorn Absence Declaration tool or provide supporting documentation. Do not wait until the due date has passed. It is always easier to make alternate arrangements before the due date. You must follow the submission instructions exactly

Policies & Statements

Academic Integrity

The Code of Behaviour on Academic Matters states that:

The University and its members have a responsibility to ensure that a climate that might encourage, or conditions that might enable, cheating, misrepresentation, or unfairness is not tolerated. To this end, all must acknowledge that seeking credit or other advantages by fraud or misrepresentation, or seeking to disadvantage others by disruptive behaviour, is unacceptable, as is any dishonesty or unfairness in dealing with the work or record of a student.

It is your responsibility as a student at the University of Toronto to familiarize yourself with, and adhere to, both the Code of Student Conduct and the Code of Behaviour on Academic Matters.
This means, first and foremost, that you should read them carefully.

Code of Student Conduct and the Code of Behaviour on Academic Matters are available from the U of T website.

Religious Accommodations

Information about the University's Policy on Scheduling of Classes and Examinations and Other Accommodations for Religious Observances is at https://www.viceprovoststudents.utoronto.ca/student-resources/rights-responsibilities/accommodation-religious/

Declaration of Temporary Absence

Students who miss an academic obligation during the term (i.e., in-class assessment, quiz, paper or lab report) may use the ACORN Absence Declaration Tool to record an absence in one or more courses. Students may utilize this option once per term for a single absence period of up to seven consecutive days. The declaration period must include the day of declaration and may include past and/or future dates, for a total of up to 7 calendar days.

Use of the ACORN Absence Declaration does not require supporting documentation and should be used in addition to the missed term work policy outlined in the course syllabus. It remains the student's responsibility to initiate the process for missed academic obligations by following the instructions in the course syllabus.

Re-grading Term Work

A student who believes that their written term work has been unfairly marked may ask the person who marked the work for re-evaluation. Students have up to one month from the date of return of an item of term work to inquire about the mark. If the student is not satisfied with this re-evaluation, they may appeal to the instructor in charge of the course if the work was not marked by the instructor (e.g., was marked by a TA). Such re-marking may involve the entire piece of work and may raise or lower the mark.

For more information on policies regarding re-marking of term work, please refer to Re-marking Pieces of Term Work in the Academic Calendar.

Plagiarism Detection Tool

Normally, students will be required to submit their course essays to the University's plagiarism detection tool for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the tool's reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation web site (https://uoft.me/pdt-faq).

Missed Final Examinations

Students who cannot complete their final examination due to illness or other serious causes must file an online petition with the Office of the Registrar within 72 hours of the missed examination. Late petitions will NOT be considered. Upon approval of a deferred exam request, a non-refundable fee is required for each examination approved. See the Office of the Registrar Deferred Examinations for more information.

Accommodations for Students with Disabilities

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or Accessibility Services as soon as possible. Accessibility staff (located in room 2240, Student Services Hub, Davis Building) are available by appointment to assess specific needs, provide referrals, and arrange appropriate accommodations. Please call 905-569-4699 or email access.utm@utoronto.ca. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

Code of Student Conduct

All students are expected to adhere to the Code of Student Conduct (Code of Student Conduct [December 13, 2019] | The Office of the Governing Council, Secretariat).

Academic Integrity and Use of AI

Keep in mind that the department uses software that compares programs for evidence of similar code. Below are some tips to help you avoid committing an academic offence, like plagiarism.

- Never look at another student's lab/assignment solution(s). Never show another student your lab/assignment solution. This applies to all drafts of a solution and to incomplete and even incorrect solutions.
- Keep discussions with other students focused on concepts and examples. Never discuss labs/assignments before the due date with anyone but your Instructors and your TAs. Do not discuss your solution publicly on the discussion board or publicly in the lab rooms/office hours.

The use of generative artificial intelligence tools and apps is strictly prohibited in all course assignments unless explicitly stated otherwise by the instructor in this course. This includes ChatGPT and other AI

writing and coding assistants. Use of generative AI in this course may be considered the use of an unauthorized aid, which is a form of cheating.