

CSC324H1F-- Principles of Programming Languages, Fall 2009

General information:

Instructor: Yilan Gu
Contact email: yilan@cdf.toronto.edu
Office hours (tentative): Fridays 1:00pm -2:30pm and by appointment
Office hour location: SF3207
Lectures: Thursdays 19:00 – 21:00 BA1210
Tutorials: Thursdays 18:00 – 19:00 BA3008, BA3004
Course website: <http://www.cs.toronto.edu/~yilan/324f09/>

Course objective:

General introduction of principles of programming languages, syntax specification and the evolution of programming languages design. Moreover, two non-procedural programming paradigms: functional programming (illustrated by Scheme) and logic programming (illustrated by Prolog).

Prerequisites:

CSC 207/270 and CSC236/238/240, or permission of the instructor; CGPA 3.0 or higher or enrollment in a CSC subject POST. It is your responsibility to ensure you have all prerequisites for the course.

Course outline (tentative):

- Introduction and Formal Specification of Programming Languages [2 weeks]
- Functional Programming with Scheme [4 weeks]
- Logic Programming with Prolog [4 weeks]
- Design Principles for Programming Languages [2 weeks]

Textbook:

1. [John C. Mitchell](#), *Concepts In Programming Languages*, Cambridge University Press, 2003.
Available [online](#) to UofT students.

Other recommended materials:

1. Robert W. Sebesta, *Concepts of Programming Languages*, 9th ed., Addison-Wesley, 2009.
2. R. Kent Dybvig, *The Scheme Programming Language*, 3rd ed., The MIT Press, 2003.
3. Ivan Bratko, *Prolog: Programming for Artificial Intelligence*, 3rd ed., Addison-Wesley, 2001.
4. Additional online materials pointed on the course website.

These books are on reserve, available for short-term loan in the [Engineering and Computer Science Library](#).

Email Policy:

The email subject should start with “[CSC324]”. Questions regarding the course material, assignments, tests, etc. should be posed on the bulletin board. Questions will generally be answered within one business day. Questions about the assignments should be formulated in a way without revealing your solution. Questions and concerns regarding your personal matters should be directed to the instructor.

Grading scheme:

There will be five assignments (6%, 8%, 8%, 8%, 8%), two term tests (10% each), and a final examination (42%). you will automatically fail the course (your final mark will be lowered below a passing grade) if your mark is below **33.33%** (after all adjustments) on the final exam, irrespective of your computed final mark. Please check the course website for the exact assignment due dates and quiz dates.

Silent policy:

A silent policy takes effect **24 hours** before an assignment is due. This means that no question about the assignment will be answered whether it is asked on the bulletin board, by email, or in person.

Re-mark request:

- Fill in a remark request form, which will be available on the course website.
- Hand in the form and the assignment/test to the TA who marked the assignment/test or to the instructor (at lecture time or scheduled office hour), who will forward it to a TA.
- You may not submit a remarking request later than *two weeks* from the date on which the assignments were returned. It's your responsibility to pick up your work as soon as possible.
- *Mark can decrease if the TA finds something that was incorrectly awarded too high a mark.*
- If you are still not satisfied after getting back your remarked assignment (or after having a meeting with the marker), contact your instructor to discuss your situation.

Lateness, illness, emergencies

- We will be using a system of **grace days** for late assignments. In the beginning of the term you have 2 grace days. An assignment submitted **within 24 hours** after its deadline uses up one grace day. No late assignments will be accepted after both grace days are used. In addition, according to the UofT policy, no assignments can be accepted after the last day of classes.
- In case of illness or other exceptional circumstances, proper documentation (e.g. a [medical certificate](#) in case of illness) must be provided. Note that in case of illness a simple note from your family doctor is **not** sufficient: your doctor must complete the University of Toronto [medical certificate](#). In this case a missed homework or a missed test may be canceled at the discretion of the instructor; marks for a missed homework/quiz will be distributed evenly over the other marked homeworks/quizzes.
- If you find yourself in other emergency situations, contact your instructor as soon as possible. You may still be required to hand in your labs, but no penalty will be applied with the instructor's approval.

Academic offenses:

- You may discuss ideas and approaches to solving problems posed on assignments with other students. However, you are **not** permitted to take any notes during these discussions, nor are you permitted to consult other students' solutions. Searching for a solution on the Internet is a violation of this policy. Sharing work with other students is a violation of this policy.
- If challenged by either a tutor or the instructor, you must be able to reproduce and explain any solution you submit in an oral exam. Failure to observe this policy is an academic offense, carrying a penalty ranging from a zero on an assignment or a test to suspension from the university.
- Please read the document at <http://www.cs.toronto.edu/~fpitt/documents/plagiarism.html> on **Plagiarism** and how to **avoid** it. If you are uncertain about what constitutes plagiarism, talk to your instructor, or get help from the Undergraduate Office. There are serious consequences to plagiarism. See the document at <http://www.cs.toronto.edu/~Eclarke/acoffences/> for an explanation of the process for dealing with an offense.

Important dates

Add deadlines: Sept. 15, last day to add F and Y courses Arts & Science courses on SWS ROSI.
Drop deadline: Nov. 3
Nov. break: Nov. 12 – 15
Last day of classes: Dec. 04
Final exams period: Dec. 09 – 18
Assignments/Tests dates: check out the course website