

**DEPARTMENT OF MATHEMATICAL AND COMPUTATIONAL SCIENCES
UNIVERSITY OF TORONTO MISSISSAUGA**

**CSC324H5F LEC0101
Principles of Programming Languages
Course Outline - Fall 2014**

Class Location & Time	Wed, 03:00 PM - 05:00 PM IB 345
Instructor	Anthony Bonner
Office Location	DH3090
Office Hours	Weds 5-6pm
Telephone	905-828-3813
E-mail Address	anthony.bonner@utoronto.ca
Course Web Site	http://www.cs.toronto.edu/~bonner/courses/2014f/csc324/
Teaching Assistant	Shems Saleh

Course Description

Major topics in the development of modern programming languages. Syntax specification, the evolution of programming languages (including abstract data types and object orientation, and contributions of C++ to language design), design and implementation of subprograms (including parameter passing techniques, and scope and lifetime of variables), run-time storage management (including garbage collection), and programming paradigms. Two nonprocedural programming paradigms: functional programming (illustrated by languages such as Lisp, Scheme, ML or Haskell) and logic programming (illustrated by languages such as Prolog, XSB or Coral). [24L, 12T]

Prerequisite: CSC207H5, 236H5, 290H5

Exclusion: CSC324H1, CSCC24H3 (SCI)

Distribution Requirement: SCI

Students who lack a pre/co-requisite can be removed at any time unless received explicit waiver from department.

Textbooks and Other Materials

Sethi. "Programming Languages: Concepts and Constructs." Addison-Wesley.

Assessment and Deadlines

Type	Description	Due Date	Weight
Assignment	Assignment 1	2014-10-13	20%
Assignment	Assignment 2	2014-11-10	20%
Assignment	Assignment 3	2014-12-01	20%
Term Test	Midterm	2014-10-29	10%
Final Exam		TBA	30%
Total			100%

More Details for Assessment and Deadlines

No late assignments will be accepted.

Penalties for Lateness

100%

Procedures and Rules

Missed Term Work

To request special consideration, bring supporting documentation to the instructor in person during office hours at least one week in advance.

In case of illness, bring a U of T medical certificate to the instructor within one week of the missed work. The certificate must specify the exact period during which you were unable to carry out your academic work.

A grade for missed assignments will be estimated from other assignment grades. A grade for a missed midterm will be estimated from the final exam grade.

Missed Final Exam

Students who cannot write a final examination due to illness or other serious causes must file an [online petition](#) **within 72 hours of the missed examination**. Original supporting documentation must also be submitted to the Office of the Registrar **within 72 hours of the missed exam**. Late petitions will **NOT** be considered. If illness is cited as the reason for a deferred exam request, a U of T Medical Certificate must show that you were **examined and diagnosed at the time of illness and on the date of the exam, or by the day after at the latest**. Students must also record their absence on ROSI on the day of the missed exam or by the day after at the latest. Upon approval of a deferred exam request, a non-refundable fee of \$70 is required for each examination approved.

Academic Integrity

Honesty and fairness are fundamental to the University of Toronto's mission. Plagiarism is a form of academic fraud and is treated very seriously. The work that you submit must be your own and cannot contain anyone else's work or ideas without proper attribution. You are expected to read the handout How not to plagiarize (<http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize>) and to be familiar with the Code of behaviour on academic matters, which is linked from the UTM calendar under the link Codes and policies.

Final Exam Information

Duration: 2 hours
Aids Permitted: 1 page(s) of double-sided Letter (8-1/2 x 11) sheet

Additional Information

This course will cover three programming languages: Scheme, ML and Prolog.

The tutorials may introduce new material not covered in the lectures or the text. On all work, 20% of the grade will be for quality of presentation, including the use of good English. Final grades may be adjusted up or down to conform with University of Toronto grading policies.

The "cheat sheet" for the final exam must contain no more than 12,000 characters total. If typed, it should use 12-point font or larger.

Last Date to drop course from Academic Record and GPA is November 3, 2014.