

Course Information

Staff

Instructor

Wael Aboulsaadat

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Wednesday 3:00-5:00pm

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Teaching Assistants

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Course Information Sources

- Course web site is on the blackboard system: <http://portal.utoronto.ca/>
- Discussion board also available through blackboard.

ALL ANNOUNCEMENTS WILL BE MADE THROUGH THE COURSE WEB SITE AND IT IS YOUR RESPONSIBILITY TO VISIT IT FREQUENTLY.

Lectures and Tutorials

- Lectures: Monday and Wednesday 1-2pm (Bahen 1180)
- Tutorial: Friday 1-2pm (Bahen 1180)
- Tutorials begin on the second week of the term.

Textbooks

- Programming Languages Concepts: Robert Sebesta. *Concepts of Programming Languages*, 9th Edition. Addison Wesley. 2009.
- Prolog: use of the following online books:
Patrick Blackburn, Johan Bos, Kristina Striegnitz. *Learn Prolog Now*. Available online: <http://cs.union.edu/~striegnk/learn-prolog-now/lpnpage.php?pageid=online>
Or
John Stobo. *Problem solving with Prolog*. Pitman Publishing.
Available Online:
<http://myaccess.library.utoronto.ca/login?url=http://www.myilibrary.com?id=4858>
- Scheme: R. Kent Dybvig. *The Scheme Programming Language*, 4th ed., The MIT Press, 2009. Available online: <http://www.scheme.com/tspl4/>
- ML: Robert Harper. *Programming in Standard ML*. Available online: <http://www.cs.cmu.edu/~rwh/smlbook/online.pdf>

The following reference books are available at the Eng & Comp Sci library for short-term loan:

- Scheme: Dybvig, *The Scheme programming language: ANSI Scheme*, 2nd ed., Prentice Hall, 1996.
- Scheme: Springer and Friedman, *Scheme and the Art of Programming*, McGraw-Hill/MIT Press, 1989.
- Ullman, *Elements of ML Programming*, Prentice-Hall, 1994.
- Paulson, *ML for the Working Programmer*, 2nd ed., Cambridge University Press, 1996.
- Prolog: Clocksin and Mellish, *Programming in Prolog*, 4th ed., Springer-Verlag, 1994.
- Prolog: Bratko, *PROLOG Programming for Artificial Intelligence*, 3rd ed., Addison-Wesley, 2001.
- Prolog: Sterling and Shapiro, *The Art of Prolog: Advanced Programming Techniques*, 2nd ed., MIT Press, 1994.

Web sites for software and documentation (*additional software will be announced later in the course*):

- Prolog: <http://www.swi-prolog.org/>
- Scheme: <http://racket-lang.org/>
- ML: <http://www.smlnj.org/>

Course Grading Scheme

Item	Weight	Tentative Date	Content
Assignment 1	15%	Feb 4 th , 2011	Prolog & Javascript
Assignment 2	15%	Feb 28 th , 2011	Scheme & ML
Assignment 3	20%	Apr 7 th , 2011	Language Concepts
Midterm	15%	Mar 2 nd , 2011	Prolog, Javascript, Scheme & ML
Exam	35%		<i>Comprehensive</i>

- Assignments will be submitted through blackboard (<http://portal.utoronto.ca/>) A link will be provided in Content → Assignments Folder.
- You must receive at least 40% on the exam in order to pass this course.
- The exam is comprehensive, 3 hours long, and takes place, naturally enough, after classes are over. The final exam schedule will be posted here on February 18: <http://www.artsci.utoronto.ca/current/undergraduate/exams>

Tentative Schedule

- 1 week Types of Programming Languages
- 2 weeks Logic Programming (Prolog)
- 1 week JavaScript
- 2 weeks Functional Programming Types (Scheme & ML)
- 5 weeks Design Principles for Programming Languages

Late Policy

- Late assignments will be penalized 30% per day.

Silent Policy

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

Illness

- In the event of an illness, submit documentation from the University of Toronto clinic: <http://www.healthservice.utoronto.ca/Health-Service/Forms.htm>
- In the event of other emergencies, you will also be required to submit supporting documentation.

Remark Requests

- From the day you are handed back an assignment or the midterm, you have one week to submit a remark request. You must fill the remark request form available on the course website and submit it via email to the course instructor.

Policy on collaboration

You are encouraged to discuss ideas and approaches to solving problems posed on the homework 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 homework or a test to suspension from the university.

We will be routinely comparing your code to that of other students for undue similarity.

You are encouraged to read the following document on **Plagiarism** and how to **avoid** it: <http://www.cs.toronto.edu/~fpitt/documents/plagiarism.html>

If you are uncertain about what constitutes plagiarism, talk to your instructor. There are serious consequences to plagiarism. See the following document for an explanation of the process for dealing with an offense: <http://www.cs.toronto.edu/~clarke/acoffences/>