

Brock University - COSC 2P93 - Logic Programming

Winter Term, 2011

Instructor: Earl Foxwell

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Classes: Tuesdays and Thursdays 14:00-15:30 TH241

This course teaches you about Logic Programming and the Prolog language. Upon completion of this course, you should have a better understanding of knowledge representation and constraint-logic programming.

Course Materials:

Textbook: Learn Prolog Now! (available online – see course website for details)

Evaluation:

Assignments (4): 40%

Midterm: 20%

Final Exam: 40%

Note: A final grade of at least 40% is required for the final exam in order to receive credit for the course.

The midterm will be Thursday February 16th, at 14:00, during class time.

Subject Overview:

- Basic Prolog
- Extralogical Prolog
- Programming & Debugging
- Advanced Prolog Techniques
- Logical Foundations
- Applications & New Directions
- Logical Basis: Propositional and Predicate Logic
- Comparison with LISP

Prolog System:

For this course, we will be using SWI Prolog. If you want to try something else, have fun, but it will be marked with SWI, so make sure it runs okay. SWI is free, readily available on multiple platforms, and is available in at least J310.

Additional Notes:

- Assignments will only be graded if they include a signed, valid cover page stapled to the front. See the COSC home page to generate a cover page with barcode.
- Please read the department's policy on medical notes on the COSC home page. Other reasons may be used for granting extensions or other accommodations, at the instructor's discretion, but only if the instructor is contacted *in advance* of assignment due dates.
- All assignments will be due Tuesdays *in-class*. There will be no late dates.
- Electronic submission of assignments will be required, and programs will be carefully examined for plagiarism. Plagiarism is a serious offense and will be treated accordingly. See <http://www.cosc.brocku.ca/about/policies/plagiarism> for details.

- As part of Brock University's commitment to a respectful work and learning environment, the university will make every reasonable effort to accommodate all members of the university community with disabilities. If you require academic accommodations related to a permanent disability to participate in this course, you are encouraged to contact the Student Development Centre Services for Students with Disabilities (4th Floor Schmon Tower ext. 3240) and also to discuss these accommodations with the instructor.
- March 9th is the last day for voluntary withdrawal without academic penalty. 15% of the final grade will be available to students by March 2nd.

Note: Content has been generously provided by Dr. Brian Ross.