

COURSE DESCRIPTION

This course introduces students to the structure of compilers and interpreters, the theory underlying their design, and some of the programming techniques used in their implementation including the usage of automatic compiler generation tools.

CONTACT INFORMATION FOR INSTRUCTOR

Instructor	Office	Phone	E-mail and Web page	Office Hours
Sophie Quigley	ENG 265	7401	cps710@scs.ryerson.ca http://www.scs.ryerson.ca/~quigley/	See instructor web page

ELECTRONIC COURSE INFORMATION

Course web site: <http://www.scs.ryerson.ca/~cps710/>

All announcements will be posted at this address.

It will be assumed throughout the course that students are familiar with the contents of the web site, in particular the course policies, and are reading the announcements regularly.

TEXT

- Modern Compiler Design by David Galles, Scott/Jones 2005, ISBN 1-57676-105-3
- Generating Parsers with JavaCC by Tom Copeland, Centennial Books, ISBN 0-9762214-3-8
- See the course web site for further references.

EVALUATION

Type	Description	Given	Due	Weight	Team Size	Topics Learned
Assignment 1	Scanner	Sept 21	Oct 5	10%	1	Scanning
Assignment 2	Parser	Oct 5	Oct 24	15%	1	Parsing
Assignment 3	Interpreter	Oct 24	Nov 16	25%	1 or 2	Symbol tables, evaluation
Assignment 4	Error Checker	Nov 16	Nov 30	10 %	1	Error management
Final Exam		Exam period		40%	1	
Supplemental	NONE					

The late penalty on assignments is -4^n marks (out of 100) where n is the number of school days (Monday to Friday) an assignment is late by. E.g. if the assignment is marked out of 100, 4 marks are lost on the first day, 16 on the second, 64 on the third and 100 on the fourth. The late penalty on assignments out of something other than 100 is prorated from the above formula.

See the course web site for additional details on submission.

TEAM WORK ON ASSIGNMENTS

The maximum team size for each assignment is specified above. In particular, assignments 1, 2, and 4 are individual assignments. Teams who want to have one more member than the specified maximum for an assignment can do so with a penalty, but they must declare all team members on the marking sheet of that assignment when the assignment is submitted. Failure to do so constitutes academic misconduct and will be treated accordingly. See the course web site for further details.