University of Toronto

CSC 488S / CSC2107S Compilers and Interpreters

Information Sheet Winter 2004/2005

Instructor: Prof. Marsha Chechik
Bahen Centre 5236 (416) 978-3820 chechik@cdf.toronto.edu
Office hours - after lecture and by appointment

Lectures: Tuesday 2:00 BA 1220
Thursday 2:00 BA 1220

Tutorial: Thursday 1:00 BA 1220

Marking: 6 Assignments 55% See assignment handout for schedule
Mid term test 15% February 24
Final Exam 30% TBA During exam period

In order to pass the course you must have a mark of at least 35% on the Final Exam
Assignments will involve construction of various compiler components.
Assignments will be done in teams of 4 students.
The mid term test will be 50 minutes, open book and notes.
The final examination will be 2 hours, open book and notes.

Course Web Page: http://ccnet.utoronto.ca/20051/csc488h1s/
Course announcements, slides, handouts are available off the web page.
Check it on the regular basis. Many announcements will also be mailed to your CDF account.


References
On reserve in the Engineering/Computer Science Library

General: A.V. Aho, R. Sethi, J.D. Ullman, Compilers, Principles, Tools and Techniques,
Addison-Wesley, 1986
A.I. Holub, Compiler Design in C, Prentice-Hall, 1990
C. Fraser and D. Hanson, C Compiler Design and Implementation, Benjamin Cummings, 1995
R. Wilhelm and D. Maurer Compiler Design, Addison Wesley, 1995
D. Grune, H.E. Bal, C.J.H. Jacobs, K.G. Langendoen, Modern Compiler Design,
John Wiley, 2000
K.D. Cooper and L. Torczon, Engineering a Compiler, Morgan Kaufmann, 2004

Optimization
M. Wolfe, High Performance Compilers for Parallel Computing, Addison-Wesley, 1996
S.S. Muchnick, Advanced Compiler Design and Implementation, Morgan Kaufmann, 1997
R. Morgan, Building an Optimizing Compiler, Digital Press, 1998
R. Allen and K. Kennedy, Optimizing Compilers for Modern Architectures,
Morgan Kaufmann, 2002

Background
R. Jones and R. Lins, Garbage Collection, John Wiley, 1996
J. R. Levine, Linkers & Loaders, Morgan Kaufmann, 1999