

NUMERICAL METHODS — CSC 336

Computer Science

Course Description

Fall 2009

The study of computational methods for solving problems in linear algebra, non-linear equations, approximation, integration, and ordinary differential equations. The aim is to give students a basic understanding of both floating-point arithmetic and the methods used to solve numerical problems as well as a familiarity with the types of subroutines found in typical software packages.

Exclusion: ACT323H1, 335H1; CSC350H1, CSC351H1

Prerequisite: : CSC207H1/(CSC260H1,CSC148H1/CSC150H1);
MAT133Y1(70CGPA 3.0/enrolment in a CSC subject POST.

Instructor: K. R. Jackson, BA 4228, 416-978-7075 or krj@cs.toronto.edu

Office Hours: by appointment

Email: I'll try to answer your email within a day or so. If my reply will be long, I'll probably ask you to talk to me instead about your question.

I get a lot of email, so it is a good idea to start the Subject line of your email with "CSC 336" so that I can easily distinguish it from other email.

Web Page: <http://www.cs.toronto.edu/~krj/courses/336/>

Bulletin Board: <https://csc.cdf.toronto.edu/bb/YaBB.pl?board=CSC336H1F>
I'll try to read this every day or two.

Lectures: Mondays and Wednesdays 11 AM to Noon in SS 2110.

Tutorials: Friday 11 AM to Noon.

TA	Room	Students
Louis Handfield	BA 2135	A—H
Navdeep Jaitly	BA 2159	I—N
Max Kaznady	BA 3004	O—Z

Course Text: Michael T. Heath, *Scientific Computing: An Introductory Survey*, 2nd edition, McGraw Hill, 2002.

Buy the version with
Selected Chapters from
Custom Publishing for University of Toronto
on the front cover.

Don't buy the old version that has "CSC336/CSCC36" on the front cover.

Grading:

1. Term Assignments: 30%
(Four assignments due Oct. 2, Oct. 23, Nov. 16, Dec. 4)
2. Midterm Test: 25%
(October 23)
3. Final Exam: 45%.

To pass this course, you need a total mark of at least 50%, and you must receive at least 35% on the Final Exam.

The Midterm Test and Final Exam are both closed-book: no aids and no calculators allowed.

Late Policy: Completed assignments must be submitted at the **beginning** of the tutorial (Friday) or lecture (Monday) on the date that they are due. Late assignments will be accepted at the **beginning** of the next lecture, with a penalty of 25%. Assignments will not be accepted after that time unless you have a very good reason for being late.

Plagiarism: Please read www.cs.toronto.edu/~fpitt/documents/plagiarism.html and www.cs.toronto.edu/~clarke/acoffences/