

NUMERICAL METHODS — CSC 336

Computer Science

Course Description

Fall 2007

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: CSC207H1/270H1/(CSC260H1,CSC148H1/CSC150H1);
MAT133Y1(70%)/MAT135Y1/MAT137Y1/MAT157Y1,
MAT223H1/MAT240H1;
CGPA 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 spam, so it is a good idea to start the Subject line of your email with "CSC 336" so that I can easily see that it is not spam.

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

Newsgroup: Read the ut.cdf.csc336h newsgroup

Lectures: Mondays and Wednesdays 11 AM to Noon in MC 252.

Tutorials: Friday 11 AM to Noon.

TA	Room	Students
Easley, Kante	BA 2175	A—He
Goldani, Hassan	BA 2185	Hd—L
Ranjan, Abhishek	BA 2195	M—St
Rezvani, Nargol	BA 3116	Su—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/CSC336" on the front cover.

Grading:

1. Term Assignments: 30%
(Four assignments due Oct. 5, Oct. 26, Nov. 16, Dec. 7)
2. Midterm Test: 25%
(October 26)
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.

Late Policy: Completed assignments must be submitted to your TA at the **beginning** of the tutorial (Friday) on the date that they are due. Otherwise they are considered late. Late assignments will be accepted at the **beginning** of the lecture the following Monday 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/