

AMSC/CMSC 460 Computational Methods

Spring, 2009

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Office Hours

T Th 1-2:30

Text: *Numerical Computing with MATLAB* by Cleve Moler.

Prerequisites Math 140, 141, and 241 (Multivariable Calculus) as well as linear algebra. Familiarity with ordinary differential equations will be helpful.

We will cover all or parts of Chapters 1-7. If you have some programming experience, it should be very easy for you to learn MATLAB. We will learn what we need as we go along. However, it is very important to keep up with the computer projects.

Homework will be assigned. There will be five or six computer projects (graded), two hour exams, and a final. Homework must be turned in on time. There will be a penalty for late homework.

Your course grade will be determined as follows:

The computer projects will comprise 30% of your grade. The (tentative) dates for the hour exams and final are

Exam I	Thursday, March 12	20%
Exam II	Thursday, April 23	20%
Final Exam, Cumulative	Thursday, May 14	30%

Makeup exams will be given only in the case of serious family or medical problems, or university sponsored activity, all of which must be well documented.