AMSC/CMSC 460 Computational Methods
Spring, 2009

Instructor  J. Cooper  Office  MTH 3312

email: jec@math.umd.edu  webpage: www.math.umd.edu/~jec

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

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam I</td>
<td>Thursday, March 12</td>
<td>20%</td>
</tr>
<tr>
<td>Exam II</td>
<td>Thursday, April 23</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam, Cumulative</td>
<td>Thursday, May 14</td>
<td>30%</td>
</tr>
</tbody>
</table>

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.