Math 4027  
Differential Equations  
Spring 2007  
T Th 10:40 - 12:00 Lockett 135

Instructor:  
William A. Adkins  
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Tel: 578-1601  
E-mail: adkins@math.lsu.edu  
Class Web Site: http://www.math.lsu.edu/~adkins/m4027.html

Office Hours:  
1:40 - 2:30 P.M. T Th  
Other times by appointment

Text


Prerequisites

The prerequisites are Math 2057 (Calculus III) and Math 2085 (Linear Algebra). A brief review of linear algebra is presented in Chapter 1. It will also be assumed that you have a basic understanding of the algebra and geometry of complex numbers. A link to an appropriate supplement is provided on the class webpage.

Syllabus

We will start with a supplement on first order linear differential equations and then we will cover most of Chapters 1 – 3 of the text. If there is time, some topics from Chapter 4 will be considered.

Examinations

There will be 2 in-class exams and a 2-hour final examination. Exam dates are:

Exam I  February 27  
Exam II  April 17  
Final Exam  May 8 (Tuesday) 3:00 - 5:00 PM

Homework

The homework assignments and any supplementary materials for the course will be posted on the class website (http://www.math.lsu.edu/~adkins/m4027.html). You should check this website regularly for the assignments and any supplementary materials. The assigned homework problems will be collected and a representative sample of the exercises from each assignment will be graded. You should not be surprised to find assigned homework problems, or small modifications of assigned problems, appearing on the exams. An important part of your homework assignment is to carefully read the assigned sections of the text.

Grade

Your course grade will be weighted among the in-class exams, final exam, and homework as follows:

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>24%</td>
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<tr>
<td>Exam I</td>
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<td>Exam II</td>
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<td>Final Exam</td>
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