Math 545
Differential Equations

Instructor: Dr. Lance Nielsen
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Office Hours: 2:30 - 5:00 MWF; 9:00 - 11:30 Tuesday

Topics:
Chapter 1 - 1.1, 1.2, 1.4, 1.5, 1.7, 1.9, 1.10
Chapter 2 - 2.1 - 2.6, 2.8 - 2.15
Chapter 5 - 5.1 - 5.8
Chapter 6 - 6.1 - 6.4

Exams: There will be a mid-term exam that will be a take-home exam worth 30% of your grade. The final exam (also worth 30%) that will consist of an in-class multiple choice component and a take-home component. (The multiple choice should be pretty short.)

Homework: There will be regular homework assigned during the semester. These problems will be neatly written up and submitted no later than 4pm on the announced due date. Late homework will NOT be accepted under any circumstances! Partial credit will be assigned to the problems which are graded. Your homework will be worth 40% of your grade.
Maple: Maple will be used as an essential part of some of the homework assignments as well as on the mid-term and final. You will be able to use Maple in the computer lab (room 308).

Comments: 1. Any instance of cheating will result in a failing grade for the course.

See the statement concerning academic honesty on page 93 of the 2010 - 2011 Bulletin.

2. I do not require attendance. However, I have observed a direct correlation between the grade received for the course and attendance of lectures. If you miss any lectures, be aware that you are responsible for knowing homework due dates, etc.

3. I do expect the homework to be neatly written (preferably on one side of each sheet of paper). Pay attention to notation - it is very important!