

Peterson

# Math 2A

Fall 2015

- Content -** Differential Equations and their Applications
- Prerequisite** Math 1D or equivalent (Preferably with grade of C or better)
- Text -** A First Course in Differential Equations with Modeling Applications (10th edition) , Zill
- Exams -** There are a total of 600 points available. three 100 point midterm exams, one 200 point final exam, and an unspecified number of quizzes worth a total of 100 points.
- Homework** Homework will be assigned every day but will not be collected. The quizzes will be based upon the homework that I assign as well as in class material. The homework I assign is the minimum work that can be done and I strongly suggest that students do more problems than are assigned.
- Attendance -** Attendance in class is crucial to learning the material. If anyone misses more than two classes without informing me first, they will be dropped from the class. If anyone misses one class during the first week without informing me first, they also will be dropped. If you know you are not going to be in class, call (408) 742-8828 and leave a message. Please do not call the division office or the administration office.
- Office Hours -** I will have assigned office hours on Tuesdays and Thursdays from 3 to 4 in S43 (math lab). Also, if your phone goes off during class, I will ask you to leave. If it happens a second time, you will be dropped from the class.

## Student Learning Outcomes

1. Construct and evaluate differential equation models to solve application problems.
2. Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.

### Grade Scale

<b>85% +</b>	<b>A</b>
<b>70-85%</b>	<b>B</b>
<b>55-70%</b>	<b>C</b>
<b>45-55%</b>	<b>D</b>
<b>&lt;45%</b>	<b>F</b>

Date	Material Covered
09/22/2015	Sections 1.1-1.3
09/24/2015	Sections 2.2,2.5
09/29/2015	Sections 2.3-2.4
10/01/2015	Section 2.4, Review
10/06/2015	Exam #1
10/08/2015	Section 4.1
10/13/2015	Sections 4.2-4.3
10/15/2015	Sections 4.3,4.5
10/20/2015	Sections 4.5-4.6
10/22/2015	Sections 4.6-4.7
10/27/2015	Review
10/29/2015	Exam #2
11/03/2015	Section 5.1.1
11/05/2015	Sections 5.1.2-5.1.3
11/10/2015	Sections 5.1.3-5.1.4
11/12/2015	Sections 6.1-6.2
11/17/2015	Sections 6.2-Review
11/19/2015	Exam #3
11/24/2015	Section 7.1
12/01/2015	Sections 7.2-7.3
12/03/2015	Sections 7.4
12/08/2015	Final Exam