

## Syllabus for M246 Spring 2012

**Professor:** Dr. Robert Decker

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**Web Site:** [uhaweb.hartford.edu/rdecker](http://uhaweb.hartford.edu/rdecker)

**Office Hours:** Tues, Thurs 1:00-3:00

**Text:** None, but based on sections from *Advanced Engineering Mathematics*, by Kreyszig. *Differential Equations* by Noonburg and Decker will be used for the Differential Equations sections (an e-book is available).

**Calculator:** The TI-89 will be used in class and for tests and quizzes. If you want to use a different calculator, you will be on your own.

**Grading:** Your grade will be based on 20% for homework (includes both webwork and possibly other assignments), 15% for quizzes, 20% apiece for 2 exams, and 25% for the final exam.

**Webwork:** Webwork is an internet based homework system. The link to it is on my website. You can have as many tries as you want to get the problems correct; the problems are graded by the computer.

**Exams and Quizzes:** You may bring a standard sheet of notebook paper with notes on both sides to quizzes and exams. Exams are full-period, and quizzes will be about 20 minutes. No makeup quizzes will be given except for extraordinary circumstances.

**Homework:** Homework (separate from webwork) will be assigned each day; at the beginning of each class period we will go over the previous assignment. Homework will not be handed in except when specified.

**Help!** If you need extra help, you have several options. First, if at all possible, come see me during my office hours. Next, the mathematics tutoring lab will open about the second week of classes, and is staffed by both faculty and students during most of the daytime hours, Monday through Friday, in Dana 208. No appointment is necessary.

**Course Outline:**

<u>Week</u>	<u>Topics</u>
Jan 24, 26	Differential equations
Jan 31, Feb 2	Differential equations
Feb 7, 9	Quiz I (Tues), Differential equations
Feb 14, 16	Differential equations
Feb 21, 23	Review (Tues), Exam I (Thurs)
Feb 28, March 1	Linear Algebra
March 6, 8	Linear Algebra
March 13, 15	Quiz II (Tues), Systems of differential equations
March 20, 22	Spring Break
March 27, 29	Partial differential equations
April 3, 5	Partial differential equations, Review (Thurs)
April 10, 12	Exam II (Tues), Probability
April 17, 19	Probability
April 24, 26	Probability, Quiz III (Thurs), Statistics
May 1, 3	Statistics, Review