Department of Mathematics
University of California
Riverside, CA 92521

Introduction to Ordinary Differential Equations - Math 46 (section 20)

Fall Quarter 2009

Instructor: ***Aviv Censor***
Office: 232 Surge
Office Hours: TR 3:30-5:00 pm
Phone: 827-7383
Email: avivc@math.ucr.edu

Lectures: TR 11:10-12:30 am, OLMH 1212

Teaching Assistant: ***Brian Rolle***
Office Hours: M 4:00-7:00 pm, Surge 259
F 10:00-11:00 am, Pierce 2423
Email: broll002@math.ucr.edu

Discussions:
Section 21 - Monday 8:10-9:00 am, ENGR2 141
Section 22 - Monday 9:10-10:00 am, WAT 1117
Section 23 - Monday 7:10-8:00 pm, HMNSS 1406

Textbook: William F. Trench, *Elementary Differential Equations*, Brooks/Cole 2000

Syllabus: We will cover the following main topics:
- First order equations and applications
- Second order linear equations and applications
- Laplace transforms

Midterm (30%): October 22, 2009 (during the lecture)

Final Exam (60%): December 10, 2009, 8:00-11:00 am

Homework: will be assigned each week.

Quizzes: There will be a number of short quizzes, which will count for **10%** of the final grade. Quizzes will usually be given at the very beginning of class, either in lecture or in discussion. You will not be able to take a quiz if you are late to class that day, and there will be no make-up quizzes.

Grades: You will receive a letter grade for the midterm. A grade of C- means that you have understood enough of the material in order to continue the course.
The final exam will comprehensively cover the material of the entire course. An "F" for the final exam automatically gives you an "F" for the course.
Grades, as well as other course materials, will be available on iLearn (http://www.ilearn.ucr.edu).

If you cannot come to the midterm or to the final exam, you have to make arrangements within the first two weeks of the course. We will only accept a very few reasons for not attending one of the exams. Those reasons are limited to: religious reasons, interviews for scholarships, and participation in intercollegiate sports.

Cheating will be taken very seriously. Every attempt to cheat will give you an automatic "F" for the course. You will not be allowed to drop the course, and your case will be forwarded to the student conduct committee.

Course Attitude:
Math is like swimming or bicycle riding. You can't learn by watching someone else, even if that someone is *Michael Phelps* or *Lance Armstrong*, and even if you (think you) understand everything they are doing. You must jump into that pool or get on that bike by yourself. You need to practice a lot.
This is a challenging course and the pace is fast. So (take a deep breath): Come to **all** classes. Participate. Do homework. Ask questions. Take advantage of office hours. Work hard.
We want you to succeed. Furthermore, we are nice people :) and we will do our best to help you succeed. And (believe it or not), just like swimming or biking, math can be fun!

Course Policies:
- You are expected to attend all lectures and discussions in which you are enrolled.
- All Exams are with closed books and notes. You may **not** use any calculators, cell-phones, i-pods or any other electronic devices.
- Grades should be earned honestly. See above.

Remark: If you have a disability and the University has determined that you require special accommodations, please provide appropriate documentation by October 1, 2009 so that we may plan for you accordingly.