

MATHEMATICS 221 - ODE (Honors), Fall 2014

Instructor: Professor Atanas Stefanov

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Class meetings: M W F 9:30-10:45, Room 156, Snow Hall

Office Hours: T 3:00-4:00, R 11:00-12:00 or by appointment.

Web: <http://www.math.ku.edu/~stefanov>

Text Elementary Differential Equations by W. Boyce and R. DiPrima, 10th edition, 2012.

Classes You are expected to attend every class and to **bring your textbook**. You should read the covered sections in the book and attempt to solve some of the problems in preparation for each class. I anticipate some of the classes to be held in the specialized computer lab of the math Department for demonstration of the Mathematica software.

Homework: Homework (both the reading and the exercises) should be completed by the next class after it is assigned. Homework will be collected once a week on Tuesdays, and it will cover the material presented the previous week. Each specific assignment and its due date will be posted on the class website. Each homework assignment will be worth 20 points. Help is available during office hours or by appointment with me.

No late homework will be accepted, under any circumstances! However, I will drop two of the lowest homework scores.

Exams If you have a valid reason for missing the exam, you should discuss it with me BEFORE the exam. There will be NO MAKEUP EXAMS or HOMEWORK!

The exams are tentatively scheduled during regular class time on the following dates:

Exam I October 9th, 2014

Exam II Nov. 25th, 2014

Final Exam December 18th, 7:30-10:00 a.m.

Grades Your grade for this course will be determined by the number of points that you accumulate. The points will be distributed in the following way:

Homework	200 total pts	20 %
Exam I	200 total pts	20 %
Exam II	200 total pts	20 %
Final Exam	400 total pts	40 %

The highest possible total is 1000. A total of 900 points will guarantee an A, 800 a B, 700 a C, and 600 a D. In addition, I will offer a final project for extra credit. This could be a theoretical project or a computer based one (like solving ODE's using a specialized computer software, like Mathematica or Maple). Both will be done in a team setting (2-3 people) and it will require a presentation in front of the class.