

MATHEMATICS 231- DIFFERENTIAL EQUATIONS-FALL 2010

Time and place: Tu+Th, 9:40-10:55 (Section 7), Haslam Business Bldg 130

Instructor: Dr. A. Freire, Aconda 406B (Tower 3), office phone: 974-4313

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Office hours: Tu+Th 5:00-5:45, or by appointment (send me an e-mail)

Problem session (optional): Tuesday, 5:45-7:00, Haslam Business Bldg 103

Goal and prerequisites: First course on differential equations, intended primarily for students in science and engineering. Prerequisite: one year of calculus of one variable.

Textbook (required): *Fundamentals of Differential Equations*, by Nagle-Saff-Snider – 7th. edition (2008), Pearson/Addison-Wesley -\$130 (new) at the UTK bookstore.

COURSE POLICIES

1. *Attendance:* students are expected to come to every class. Each lecture will include new material; the text will be followed closely, but some lectures will include additional material.
2. *Course log:* This link to the course web page will contain a brief listing of the material covered in each lecture, handouts, announcements and homework problems. It will be updated after every class and should be consulted often. I won't be using Blackboard.
3. The most important concepts and examples for each topic will be presented in class, but for thorough understanding you are expected to (i) *read* your textbook and your class notes; (ii) work on the *homework* problems; (iii) *ask questions* when there is something you don't understand.
4. The link [classroom behavior expectations](#) includes a list of behaviors considered disruptive (math department policy). Please familiarize yourself with it, as this policy will be enforced. This includes: *no laptops, cell phones off and no texting allowed during lecture*.
5. Students with disabilities: if you need special arrangements to take this class (including exams), please contact the Office of Disability Services (2227 Dunford Hall, 974-6087 V/T, <http://ods.utk.edu/>)

HOMEWORK, EXAMS and GRADING.

HOMEWORK- Homework will not be collected, but suggested practice problems from the text will be posted on the course log for each topic covered in class.

CLASS PROJECT- A short paper describing an application of the material in the course to a problem in an area of the student's interest (10% of total grade). Details will be given later.

EXAMS- There will be three in-class written exams (closed book, *calculators not allowed*) and a comprehensive final. Of these four grades, only the highest three will count (30% each)

There will be no make-up exams, even in cases of a justifiable absence; if you miss an exam, this will be the grade you will drop.

Expected grading scale: below 50: F; 50-54: D to C-; 55-69: C or C+ 70-84: B or B+; 85-100: A- to A. ***I do not `grade on a curve`.***

IMPORTANT DATES: Add/drop without W: Aug 23; drop w/ W: Oct 19; drop w/ WP/WF: Nov 9; last day of class: Tuesday, Nov 30; Final Exam: Tuesday, Dec 7 April 30, 8:00-10:00