Math 250B   Introduction to Linear Algebra and Differential Equations

Course Syllabus (Fall 2012)

Instructor: Gülhan (Alpargu) Bourget, Associate Professor
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Class Hours: MTuWF 12 - 12:50 PM    Place: MH 480
Office Hours: MWF 1-2 PM    Place: MH 182H


Calculator: Not allowed.

Course Material
We will cover the following topics: First-order differential equations, matrices and systems of linear equations, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, second-order linear differential equations, systems of differential equations.

Assignments and Quizzes
There will be weekly assignments. The list of problems from your text of each assignment will be posted on my webpage. Every week you will have one or two random quizzes similar or different from the homework questions. Your lowest two scores will be dropped in your final grade.

Midterm and Final Exams
There will be 3 in-class midterms and one final exam. The dates and the sections for each midterm are given in below. The final exam is cumulative. There will be no make-up exams. Check your schedule now to ensure that you have no time conflicts with the above exam schedule.

<table>
<thead>
<tr>
<th>Sections</th>
<th>Tentative Dates</th>
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<tbody>
<tr>
<td>Midterm 1</td>
<td>1.1-1.6, 2.1-2.6</td>
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<td>Midterm 2</td>
<td>3.1-3.3, 4.1-4.6</td>
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<td>Midterm 3</td>
<td>5.1-5.8, 6.1-6.3, 6.4, 6.7</td>
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<td>Final</td>
<td>Cumulative</td>
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Grading: Your final grade will be calculated according to the distribution. The grading policy is subject to minor modifications based on the instructor discretion. Letter grades with plus-minus will be assigned based on the distribution of the total scores.

I reserve the right to raise any student's semester grade for contributing to our class with a positive attitude, hard work, and active participation.

Important Advice

Stay ahead, READ THE TEXT, and get help early as any problems arise; the course will proceed far too quickly for you to be inefficient. Work on your calculus daily, not all in one long single weekly session, and don’t depend on a calculator for routine arithmetic, algebra, trigonometry, or graphing. You will likely need to spend more time than the generic 3 hours outside of class per hour inside. Be prepared to spend 20+ hours per week (not including travel time, etc.). Take pride in your work and present it neatly and carefully explained with full detail.

Getting Help

In order for the class as a whole to get the most help as efficiently as possible, I advise you to get help on routine questions in the Math Tutoring Center MH-178 (call the Math Department at 657278-3631 for further info) as well as consult the many cd/online tools associated with your textbook (they are VERY good once you get the hang of them). Whatever questions remain I shall be happy to take during office hours.

Important Dates

September 11 (Tuesday): Last day for students to ADD with a permit. All permits expire at midnight on September 11.

September 11 (Tuesday): Last day for students to DROP without a grade of “W”. Students drop using Titan Online.

October 5 (Friday): Last day the Math Department will be flexible on the approval of late withdrawal requests. Beginning Monday, October 8, students must have a serious and compelling reason for withdrawing (e.g. medical reason) and must provide supporting documentation for their reason.

November 16 (Friday): Last day to withdraw with a truly serious and compelling reason that is clearly beyond the student’s control. Students must document their reason. See Math Department for more info.
PERMIT PROCESS

I will sign the Permit form for you. Then you should go to the Math Dept (MH-154). They will place a Permit on their student record. Students will be responsible to go on Titan and add the class. Permit form are available in the department office for students to pick up.

Students MUST add the class themselves by the specific date. The Permit does not place you in the class.

Disability accommodations

If you need accommodations for a disability, you should schedule an appointment with the professor during the first week of classes to make appropriate arrangements.

Academic integrity

Students who violate university standards of academic integrity are subject to disciplinary sanctions, including failure in the course and suspension from the university. Since dishonesty in any form harms the individual, other students and the university, policies on academic integrity are strictly enforced. I expect that you will familiarize yourself with the academic integrity guidelines found in the current student handbook (see the website at the following address:

http://www.fullerton.edu/deanofstudents/judicial/policies.htm).

Examples of actions that constitute academic dishonesty include, but are not limited to:

1. Unacceptable examination behavior, i.e. communicating with fellow students, copying material from another student’s exam or allowing another student to copy form an exam, possessing or using unauthorized materials, or any behavior that defeats the intent of an exam.
2. Plagiarism, i.e. taking the work of another and offering it as one’s own without giving credit to that source, whether that material is paraphrased or copied in verbatim or near-verbatim form.
3. Unauthorized collaboration on a project, homework or other assignment.
4. Documentary falsification including forgery, altering of campus documents or records, tampering with grading procedures, fabricating lab assignments, or altering medical excuses.

Emergency Evacuation

In the event of an emergency such as earthquake or fire:

- Take all your personal belongings and leave the classroom.
- Use the stairways; do not use the elevator (they might not be working once the alarm sounds).
- Go to the lawn area towards Nutwood Avenue.
Stay with your classmates for further instruction. For further information on exits, fire alarms, and telephones, see the Building Evacuation Maps located near each elevator. Anyone who may have difficulty to evacuate the building please see the instructor.

The Professor reserves the right to change the content of the syllabus at any time.