

MATH 3319-003. Differential Equations and Linear Algebra
Spring 2008, 321 PKH, TTh 7:00 p.m. - 8:20 p.m.

Instructor:	Michail Todorov	Office:	424 PKH
Office Hours:	8:30 p.m. - 9:30 p.m. Tuesdays and Thursdays or by appointment	Phone:	817-272-5762
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Class Materials:

1. "Differential Equations and Linear Algebra", by Stephen Goode and Scott Annin, *3rd Edition*
2. A graphing calculator for use in class and on exams. Approved Calculators: *Casio:* FX-6000, 6200, 6300, 6500, 7000, 7500, 7700, 8000, 8500, 8700, 9700; *Series HP:* HP-28, 48; *Series Radio Shack:* EC-4033, 4034; *Sharp:* EL-5200, 9200, 9300; *Series TI:* TI-81, 82, 83, 83+, 85.
Any other calculator must have prior written approval from the instructor before use.

Grading Policies:

Homework Assignments (10% of your grade):

Theoretical and computational problems will be assigned regularly throughout the semester. Teamwork is encouraged.

Two Mid-Term Exams (52% of your grade):

Each exam will be given during the class period and you will have 80 minutes to take it. Exams will be made up of questions similar to the assigned homework problems. Topics and dates for each exam will be announced in class at least a week in advance. There will be **no make-ups** for the mid-term exams.

Final Exam (38% of your grade):

The final exam will be comprehensive and will be given according to the university final exam schedule (Thursday, May 8, 2008, 8:15 p.m. - 10:45 p.m.). Make-ups for the exam will be given only for university approved absences and should be discussed prior to the exam.

Grading Scale:

The final grade is assigned using the following scale:

A = 90+; **B** = 80-89; **C** = 70-79; **D** = 60-69; **F** = 59-

Expected Learning Outcomes:

This course is designed to provide students with the fundamentals of differential equations and linear algebra. Upon completion of MATH 3319, students should develop their skills in solving practical problems with solution techniques as well as judgment and sensitivity in using differential equations and linear algebra to understand physical phenomena.

Course Expectations:

This course requires you to be an *active* participant. It is expected that you attend class and do your homework. It will help you to read the sections in the book *before* attending lectures.