

MAP 2302/ MAP 3305  
ODE/Eng. Math I  
Office hours: TR 12:15-2:00  
TR:3:35 - 4:50  
HCB 0213

Instructor: Nick Cogan  
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**Text :** Elementary Differential Equations and Boundary Value Problems, 8th edition, by William Boyce and Richard DiPrima

**Prerequisites:** Calculus 2 (c- or better) although students are encouraged to complete Calculus 3

**Course Objective:** This course is designed as an introduction to differential equations. The focus of the course is the derivation and analysis of a variety of ODE's. We will cover first, second and higher order linear ODE's, series solutions, Laplace transforms and (possibly) systems of ODE's.

**Expectations:** You are expected to attend class and participate in discussions. A student absent from class bears the full responsibility for all subject matter and procedural information discussed in class.

- It is expected that students will work together on the homework assignments although the write-up should be done independent of the other students.

**Assignments:** Homework problems will be assigned approximately daily, but will not be collected. Instead there will be quizzes (approximately every other thursday) that will consist of problems very similar to the homework problems. The quizzes will last about 15-20 minutes and will be given at the beginning of class.

**Exams:** There will be two midterm examinations and a final exam. Make-up exams will only be given with a written doctors note or with approval from the dean and myself. Roughly the midterms will cover chapters 2-4, 5-6

- The final will cover chapter 7 and selected topics from the rest of the course. The final exam is scheduled for Thursday December 11 from 7:30 to 9:30 a.m. You must contact me immediately if you have a conflict. The room will be announced. **Completion of the final is required in order to pass the class.**

**Grading:** The average of the midterm exams counts 30% of the grade, and the final exam counts 30%. The average of the quizzes will count 40%.

**NOTE:** MAP 3305 students will have additional requirements from the lab which will count 20% of

the average, hence the above division counts for 80% of the possible points.

Letter grades will be determined from numerical grades as follows: A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 0-59. Plus or minus grades may be assigned in a manner consistent with standard University practice. A grade of I will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a course grade of F.

- Please feel free to contact me by e-mail, phone, after class, before class or during office hours.
- HONOR CODE. The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility 1) to uphold the highest standards of academic integrity in the student's own work, 2) to refuse to tolerate violations of academic integrity in the University community, and 3) to foster a high sense of integrity and social responsibility on the part of the University community. Please note that violations of this Academic Honor System will not be tolerated in this class. Specifically, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued by this instructor. Before submitting any work for this class, please read the "Academic Honor System" in its entirety (as found in the [FSU General Bulletin](#) and in the [FSU Student Handbook](#) and ask the instructor to clarify any of its expectations that you do not understand.
- AMERICAN DISABILITIES ACT. Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class. This and other class materials are available in alternative format upon request.

#### Important Dates

August 25	Classes begin
August 28	Add/drop ends
September 1	Labor Day. No Classes
October 10	Last day to drop without grade
November 12	Veteran's Day. No Classes
November 27-28	Thanksgiving Break
December 5	Last day of classes
December 8-12	Final exams
December 11	Course final exam