

Instructor: Nathaniel Blair-Stahn

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Mailbox: Padelford C-120/130

Office Hours: TBA (check course website)

Class time and location: MWF 1:30–2:20, MOR 234

Course website: www.math.washington.edu/~ndbs/307/spring09/

Text: *Elementary Differential Equations and Boundary Value Problems*, 8th ed., Boyce & DiPrima

Exam Dates (the location for all tests is MOR 234):

Exam 1: Friday, April 17, in lecture

Exam 2: Friday, May 15, in lecture

Final: Monday, June 8, 2:30 - 4:20 PM

Course Description: This course is the first quarter of a 3 quarter course sequence covering differential equations and linear algebra. Math 307 is an introductory course in ordinary differential equations; it covers first-order equations, second-order linear equations, and the Laplace transform. Students need only a background in basic calculus, but should be ready to do a lot of integration. Math 125 is prerequisite for this course, and Math 126 is highly recommended.

Homework: Weekly homework assignments will be announced in class and posted on the class website. The first homework assignment will be due **Friday, April 10**. Subsequent homeworks will be due on Fridays unless otherwise noted. *No late homework is accepted.* If you are unable to attend class on a day homework is due, homework must be turned in to my mailbox in Padelford C-120/130 before class that day. Assignments will be graded for completion, and a few randomly selected problems will be graded for accuracy and understanding. You must show your work to get credit on the homework. Carefully doing the homework problems is the best way to learn the material, so please plan to spend a significant amount of time on the assigned exercises.

Exams: There will be three exams, scheduled as noted above. *There will be no makeup exams.* Please see me immediately if you are unable to attend one of the exams. If you miss an exam due to a sudden emergency, I will ask you for some kind of written confirmation, such as a doctor's note. Exam 1 will cover Chapter 2, Exam 2 will cover Chapter 3, and the Final will be cumulative, covering Chapters 2, 3, and 6. You may use a scientific (non-graphing) calculator and one two-sided 8.5"x11" sheet of notes.

Quizzes: There will be a quiz on most Fridays, beginning April 10. The main purpose of the quizzes is to help prepare you for the exams. Points will be awarded primarily for participation rather than correctness, and the quizzes will be worth only a small percentage of your grade.

Grade breakdown: Homework: 16%, Quizzes: 5%, Exam 1: 23%, Exam 2: 23%, Final: 33%. Your lowest homework score for the quarter will be dropped.

If you have any questions or concerns at any time during the quarter, don't hesitate to contact me!