

Instructor: William (Riley) Casper, Padelford C-111, wcasper@math.washington.edu

Office Hours: TBA and by appointment.

Course Webpage: http://www.math.washington.edu/~wcasper/math307_win16.html

Tentative Course Outline:

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Week	Monday	Wednesday	Friday
01/04	Ch 1 and 2.2	2.1	2.3
01/11	2.4	2.5	2.7
01/18	MLK	2.6	3.1
01/25	Review	Exam 1	3.3
02/01	3.4-3.5	3.4-3.5	3.4-3.5
02/08	3.7-3.8	3.7-3.8	3.7-3.8
02/15	3.7-3.8	3.7-3.8	6.1-6.4
02/22	Review	Exam 2	6.1-6.4
02/29	6.1-6.4	6.1-6.4	6.1-6.4
03/07	6.1-6.4	6.1-6.4	Review
03/14	Final Exam 2:30-4:20 p.m.		

Textbook: *Elementary Differential Equations and Boundary Value Problems* by William E. Boyce, a custom version text for the University of Washington. It contains part of the hardbound text with the same title by William E. Boyce and Richard C. DiPrima. An older version of the text should also be ok, as long as one is careful to cross-reference differences between sections and problem numbers.

Prerequisites: Math 124, 125

Classroom Expectations: Students in this class have the following expectations:

1. attend class daily
2. preform required reading before class
3. review lecture slides before class
4. participate and ask questions in class
5. complete weekly homework assignments
6. take two midterms and one final exam
7. participate in surprise quizzes

Class Website: Lecture slides for each class will be posted on the course website a few days prior to each lecture. Students are expected to have at least briefly reviewed these before class, in order to have a better idea of what to expect, and more easily contribute to classroom discussion. Solutions to homework, quizzes, and exams (when applicable) will also be viewable on the course website. Weekly reading assignments will also be available there.

How to Succeed: This class will provide the student with an introduction to the practice (along with some of the basic theory) of solving differential equations. Differential equations express relationships between a function and its derivatives, and play a central role in the study of many areas of physics, engineering and other scientific disciplines. The importance of differential equations makes it important for future scientists and engineers to form a strong understanding of the material in this class. The best way to achieve this is by working a great many problems – significantly more problems than will be assigned in the homework. The book is full of wonderful problems, and the internet and your instructor can provide you with even more.

Grade Evaluation: Your grade will be based on homework, the midterm, quiz scores, and the final exam.

- Quizzes: 10%
- Homework: 10%
- Midterms: 20% each
- Final Exam: 40%

MATH 126 also recommend.

Homework: Students should expect weekly homework assignments. Late homework will not be accepted. Late homework will not be accepted. Late homework will not be accepted. (You've now been told three times).

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. You also may want to consider getting help from the free tutors in the Math Study Center (MSC). Additionally, if you want to hire an outsider tutor (which costs money), you can find a list of such people through the UW math department.

Students with Disabilities: To request academic accommodations due to a disability, please contact Disabled Student Services: 448 Schmitz, 206-543-8924 (V/TTY). If you have a letter from DSS indicating that you have a disability which requires academic accommodations, please present the letter to me so we can discuss the accommodations you might need in the class. Academic accommodations due to disability will not be made unless the student has a letter from DSS specifying the type and nature of accommodations needed