

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.html>

Course Outline:

Tentative Course Outline			
Week	Monday	Wednesday	Friday
06/24	5.0-5.3	5.0-5.3	5.0-5.3
07/01	6.0-6.2,6.4	6.0-6.2,6.4	6.0-6.2,6.4
07/08	6.5	6.3	6.6-6.8
07/15	6.6-6.8	6.6-6.8 1	Exam 1
07/22	7.0-7.2	7.4-7.5	7.6
07/29	8.0-8.1	8.1-8.2	8.3
08/12	Ch. 9	Ch. 9	Exam 2
08/05	Ch. 9	Ch. 9	Ch. 15
08/19	Ch. 15	Final Exam	

Textbook: *Advanced Calculus* by Taylor and Mann. Weekly reading assignments and homework problems will come primarily from this text.

Prerequisites:*Math 324

Grade Evaluation: Your grade will be based on homework, the two midterms, an independent project, and the final exam.

*MATH 300 is also a plus.

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

Homework: Students should expect weekly homework assignments. Late homework will not be accepted.

Independent Project: For this class, students will also be expected to complete an independent project. Be excited! This is a chance to explore your mathematical interests, get creative, and learn about some higher-level math in the process.

For this project, you will be expected to write a report on a mathematical topic of interest. Several topics will be suggested throughout the quarter, but you may also choose a topic of your own, as long as it is approved by the instructor. The goal is to write a report explaining what you have learned about your topic of choice. This in turn will be published on the course website and read by your peers. More precise requirements will be provided later. *Please note that plagiarism will not be tolerated!*

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 (for a fee), 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