MATH 3150, ANALYSIS I
University of Connecticut
Spring 2026

Instructor:
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Lectures: TuTh 12:30 - 1:45 at MONT 111.

Office Hours: TuTh 11:00-12:00.

Textbook: No textbook. Lecture notes will be available via Husky CT.

Recommended books for additional reading:

- *Introduction to Real Analysis*, by Bartle and Sherbert, Wiley and Sons, 4th Edition, 2011.
- *Elementary Analysis: The Theory of Calculus*, by Ross (Undergraduate Texts in Mathematics), Springer, 2nd Edition, 2013.
- *Principle of Mathematical Analysis*, by Rudin, McGraw-Hill Book Co, 3rd Edition, 1976.

Course Description: A rigorous introduction to the theory of real functions. The objective is to understand why theorems, such the ones you learned in Calculus I, are true by thoroughly understanding their proofs. The topics we are going to cover include: real numbers, sequences and series, continuity, differentiation, integration.

Exams: There will be three midterm exams and no final exam. The last midterm will be on Thursday April 30 (last day of class lectures). If you have a *legitimate and documented* conflict with the scheduled time for any of the midterms, you must let me know as soon as possible in order to consider your situation. There will be no make up exams.

Quizzes and Homework: Weekly homework will be assigned but not collected. In order to test your understanding of the homework problems there will be weekly quizzes which will be strongly based in the assigned (weekly) homework. The quizzes will take place every Tuesday during the first 15 minutes of class. Your two lowest quiz scores will be dropped and there will be no make up quizzes.

Grading Policy: Grades will be determined as follows:

- Quizzes: 25 %
- Each Midterm: 25%

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