21-355 PRINCIPLES OF REAL ANALYSIS 1- Fall 2008

Class Meetings MWF 2:30-3:20 in DH 1112

Instructor Dr. Elaine Cozzi
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  • Office Hours: Tues 10:30-12:30, Thurs 2:30-3:30

Text Introduction to Analysis, by Edward Gaughan (5th edition)

Course Webpage www.math.cmu.edu/~ecozzi/analysis.html

The homework assignments, first-day handout, and other course materials will be posted on the course webpage.

Content of the course Infinite sequences and series, completeness of the real numbers, limits, continuous and differentiable functions, and the Riemann integral. This material is contained in chapters 0-6 of Gaughen’s book.

Course Assessment Your overall grade will be determined by the following:
  • Three midterms of equal weight: 65% total
  • Homework: 10%
  • Final Exam: 25%

Homework Homework will be posted on the course webpage every Friday and will be due the following Friday at the beginning of class. You are strongly encouraged to discuss the homework with other students in and outside of class. However, you must write up and submit your own work.
  • There will be a total of 11 homework assignments.
  • You are allowed one late homework which can be turned in up until the next time homework is due. Otherwise, late homework is not accepted under any circumstance.
  • Your lowest homework grade will be dropped.

Exams There will be three in-class midterms and a final exam. The midterms are tentatively scheduled for September 26, October 24, and November 21. The final will be held during final exam week.

Academic Honesty We will apply to university guidelines as stated in the student handbook to ensure academic honesty.