Math 312: Concepts of Real Analysis
Section 01 - M W F 01:25PM - 02:15PM, 106 Osmond

Instructor: Dr. Aissa WADE
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Office Hours: Mondays and Wednesdays 4:00 - 5:00pm.

Course Description: This course is an introduction to rigorous analytic proofs involving properties of real numbers, continuity, differentiation, integration, and infinite sequences and series.

Prerequisite: Math 141.


Topics: We will cover Chapters 1-17 and part of Chapter 22.

Calculators: Calculators are not allowed on the exams and quizzes.

Homework: Homework will be assigned every week. No late homework will be accepted. All answers must be justified by rigorous arguments. No credit will be given for poorly presented work. You are encouraged to work with other students on homework assignments, but must write up solutions individually and list on your paper students with whom you worked.

Examinations: There will be one midterm and a comprehensive final exam. The dates and locations of the exams will be announced later in class.

Students who have a valid documented reason, such as a class conflict or illness during both the conflict and regular examination times are permitted to schedule a makeup examination with no penalty. Students who do not have a valid reason for missing the examination, (such as forgetting the date, time, or room of an examination) can schedule a makeup, but 30 percent will be deducted from their score (their highest possible score will be 70 percent).

The final exam period will begin on Monday, December 17, and will end on Friday, December 21. Students should not make arrangements to leave University Park before Saturday, December 22, 2007. No early exams!
Grading Policy: Grades will be assigned on the basis of 350 points distributed as follows:
   150 points for homework and quizzes
   100 points for midterm examination
   100 points for final examination

Course Webpage: A webpage for the class will be maintained at www.math.psu.edu/wade/math312-FA07.html

Academic Integrity: All Penn State policies regarding academic Integrity apply to this course. Academic integrity is the pursuit of scholarly activity in an open, honest and responsible manner. Academic integrity is a basic guiding principle for all academic activity at The Pennsylvania State University, and all members of the University community are expected to act in accordance with this principle. Consistent with this expectation, the University’s Code of Conduct states that all students should act with personal integrity, respect other students’ dignity, rights and property, and help create and maintain an environment in which all can succeed through the fruits of their efforts.

   Academic sanctions range from a warning to removal from the academic program, and include deductions of points or alterations in grades.

   Please see the Eberly College of Science Academic Integrity homepage for additional information and procedures at www.science.psu.edu/academic/Integrity/Policy.htm.