

**GENERAL INFORMATION FOR STUDENTS
OF REAL ANALYSIS, SPRING 09**

Course Description:

- Math 01-330 Introduction to Real Analysis I
- Professor: Dr. Abera Abay, Office: Rob. 336, Tel. 256-4500 Ext. 3878,
E-mail: abay@rowan.edu

Prerequisite: Calculus II

Syllabus: This course prepares the student for more advanced courses in analysis as well as introducing rigorous mathematical thought processes. Topics included are: sets, functions, the real number system, sequences, limits, continuity, and derivatives.

Textbook:

Mattuck, Introduction to Analysis, Prentice Hall, 1999.

Grading Policy:

Students will be graded based on the following:

- Attendance and class participation (10%)
- Assignments (45%)
- Three tests (45%) that cover the following chapters and sections from the textbook.

Test 1: Chapters 1-3 & Appendix A

Test 2: Chapters 4, 5, 9, and 11

Test 3: chapters 12-15

Numerical grades will be converted to letter grades by the following scale.

A = 90 to 100, B = 80 to 89, C = 70 to 79, D = 60 to 69, F = 0 to 59

Please note that this course has no pass/no credit option.

Homework Problems: A list of homework problems is attached. You are expected to do these problems after we cover a given section. These problems are of two types.

- (i) **Questions:** These are problems that are given at the end of each section, with answers at the end of each chapter. These questions act as traffic signals to see if you have understood the material in each section. Please spend a reasonable time and try the problems before you look at the solutions.
- (ii) **Exercises:** These are problems that are given at the end of each chapter. You are required to submit the solutions of these problems after we finish a chapter.

Attendance Policy:

Attendance is mandatory. An attendance sheet will be passed around at the beginning of each class period. Please write your signature next to your printed name on the list. If you are absent/tardy from a class, you must submit a note requesting that the absence/tardiness be excused by the next class meeting. Each student is allowed a total of three unexcused absences/tardies (combined). If you miss a class, it is your responsibility to study the section(s) covered and do the homework.

If you are absent the day of a regularly scheduled test, a grade of zero is automatically recorded as your test score. You will be permitted to make up this zero only when you can confirm that you were absent for reasons beyond your control. In such cases, you must telephone 256-4500 extension 3878 (or send me an e-mail) and leave a message including your name and telephone number, the reason for your absence and the date you anticipate returning. *Students who fail to leave the above information will be assigned the grade of zero for that test.*

Academic Honesty: Cheating on a test or assignment seriously undermines the integrity of the academic system and will not be tolerated. If I determine that a student has cheated, I will assign the grade of F for this course and send a letter to this effect to his advisor. Although a student is not cheating, he or she is expected to refrain from actions that could be suspicious. Using common sense on your part should avoid unnecessary embarrassment.

Classroom rules:

- Students will abide by Rowan's student code of conduct and policy on academic honesty. Improper behavior will not be tolerated.
 - Students are not permitted to leave the classroom during class period except for emergencies or unless prior arrangements have been made with the instructor. Please use the restrooms before class begins.
 - Students are not permitted to use a cell phone during class. Please turn off your cell phone during class.
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Students with Disabilities and Special Needs: Your academic success is important. If you have a documented disability that may have an impact upon your work in this class, please contact me. Students must provide documentation of their disability to the Academic Success Center in order to receive official University services and accommodations. The Academic Success Center can be reached at (856)256-4234. The Center is located on the 3rd floor of Savitz Hall. The staff is available to answer questions regarding accommodations or assist you in your pursuit of accommodations. We look forward to working with you to meet your learning goals.

Questions in Class: The best time to ask questions is during class. Many times students fear that their questions will seem foolish, while in fact, many others also have the same question. I urge you to ask your questions during class. If you have questions that were not answered in class, you may stop by my office during the following office hours.

Office Hours: M, W: 10:50 – 12:05 p.m.; T, R: 8:30-9:20 a.m. and by appointment.
