Syllabus
MATH 3310.501
MW 7:00-8:15
CB 1.120
Spring 2006

Instructor: Dr. Titu Andreescu
Text Book: Analysis with and introduction to proof (third edition), S.R. Lay

Prerequisites: MATH 2419.

Contact Information:
Office: FN 3.308G
Phone: (972)-UTD-2347
Email: titu.andreescu@utdallas.edu
Office hours: MW 5:45-6:45 pm in FN 3.308G

Course Description:
The main goal of the course is to provide an introduction to the proofs of the major results in calculus. A student passing this course should be able to handle proofs involving the important concepts in calculus. The book will be covered as follows (this is just tentative, modifications can appear due to interest or background of students):

Introduction: Real Numbers.

1: Limits and series.

2: Functions and Limits.

3: Continuous functions and their properties.

4: Differentiation.

5: Integration.

Problem Assignments:
Problems will be assigned on a regular basis. Answers to most of these problems are given at the back of the textbook. Complete solutions to many of these problems could be found in the Solutions Manual, which may be available in the bookstore. You should work several exercises of each type. Working more problems from the textbook is strongly encouraged.

Examinations:
All students are expected to take the examinations at the announced time. Students are required to inform the instructor of suspected honor code violations. You must show your work on all problems. If you miss an exam, the grade will be recorded as zero unless you contacted the instructor IN ADVANCE and agreed upon a procedure to make it up. You are responsible for all announcements made in class, including homework assignments and changes in the schedule. Unsatisfactory attendance will affect your final grade.

Calculation of Final Grade

FG=25/100(E1)+25/100(E2)+25/100(E3)+25/100(FE)

[97, 100] A+
[93, 97) A
[90, 93) A-
[87, 90) B+
[83, 87) B
[80, 83) B-
[77, 80) C+
[73, 77) C
[70, 73) C-
[65, 70) D+
[60, 65) D
[55, 60) D-
[0, 55) F-

Important Dates (subject to change)

February 20: Exam 1, in class (subject to change)

March 13 : Exam 2, in class (subject to change)

April 10: Exam 3, in class (subject to change)

May 1: Final Exam, in class (7 pm)

The instructor reserves the right to adjust this syllabus as he deems fit.