

MATH 4335  
Spring 2008

Instructor: Larry F. Heath  
Office: 435 Pickard Hall  
Office Hours: 4:00pm-5:20pm TTH and by appointment  
Class Time: 5:30pm-6:50pm TTH.  
Class Room: 105 Pickard Hall  
Text: Introduction to Real Analysis by Bartle and Sherbert

References: (1) Methods of Real Analysis by Goldberg  
(2) Principles of Real Analysis by Rudin  
(3) Mathematical Analysis by Apostol  
(4) The Elements of Real Analysis by Bartle  
(5) Counterexamples in Analysis by Gelbaum and Olmstead

Requisite: Math 3335 Real Analysis I

Topics: Continuity, Differentiation, Integration (Riemann and Riemann-Stieltjes), Sequences of functions, Series of functions, Functions of bounded variation, and Integration(revisited).

Grading Procedure: Sixty percent of your grade will be the 6 quizzes and forty percent will be the final exam.

Important Dates:	Jan 15	First Day of Class
	Jan 30	Census Day
	Jan 31	Quiz 1
	Feb 14	Quiz 2
	Feb 28	Quiz 3
	Mar 13	Quiz 4
	Mar 17-21	Spring Break
	Mar 28	Last day to drop under any circumstances
	Apr 3	Quiz 5
	Apr 17	Quiz 6
	Apr 28-May 2	Final Review Week
	May 1	Last Day of Class
	May 6	Final Exam
	May 15	Grades available on mymav

Quizzes: Each definition is worth 5 points, each statement is worth 5 points, and each proof is worth 10 points. Each Quiz will have 50 points.

Objective: To have a working knowledge of continuity, differentiation, integration, sequences and series of functions, and functions of bounded variation

AMERICANS WITH DISABILITIES ACT: The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93-112--The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of The Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "**reasonable accommodation**" to students with disabilities, so as not to discriminate on the basis of that disability. Students responsibility primarily rests with **informing faculty at the beginning of the semester and in providing *authorized* documentantation through designated administrative channels.**

ACADEMIC DISHONESTY: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22)

GRADE REPLACEMENT POLICY: Upon receiving a grade of D or F in a course, a student may, after filing an intent to do so, replace the grade by repeating the course. The second grade earned, whether higher or lower, will be used in calculating the grade point average unless the second grade is a W. This applies only the second time a course is attempted. Both grades received will be shown on the student's transcript. This policy will apply to a maximum of 10 credit hours at U.T.Arlington. Students must file their intention to replace a grade with the registrar by the Census Date. All withdrawals after the Census Date will be considered an attempt, and the initial grade will be used. This policy will not apply to courses that were repeated for credit or courses taken on a pass/fail basis. This policy is not applicable to graduate students and is not retroactive in that a grade in course taken prior to adoption may be replaced, but a grade earned in a course prior to adoption may not be used as a replacement. Individual colleges and schools may limit this policy.

STUDENT DISRUPTION: The University reserves the right to impose disciplinary action for an infraction of University policies. For example, engagement in conduct, alone or with others, intended to obstruct, disrupt, or interfere with, or which in fact obstructs, disrupts, or interferes with, any function or activity sponsored, authorized by or participated in by the University.

**DROP FOR NON-PAYMENT OF TUITION:** If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office. You may not continue to attend class until your Enrollment Loan has been applied to outstanding tuition fees.