
SYLLABUS
Fall 2004
Real Analysis I (Math3360)

Dr. Elaydi

Department of Mathematics

OFFICE: MMS 115D **OFFICE HOURS:** TWF: 2:30-4:30, or by appointment
EMAIL: *selaydi@trinity.edu* **CLASS MEETS:** TR, 8:30-9:45
BUS. PHONE: (210) 999-8246

TEXT: *A first course in Real Analysis by Protter and Morrey*

Course Description: The main objective of the course is to study calculus with great care and mathematical rigor. The course will cover the three basic concepts in analysis: continuity, differentiation and integration. The level of difficulty will increase considerably once we move from the use of algorithms to the foundation of those algorithms. Something as simple as computing a limit can change from a “plug and chug” operation to a challenging, perhaps, even formidable problem. The course covers material from chapters 2-6 in the textbook.

Homework: Homework assignments (assigned once a week) will be posted on the blackboard and are due in class at the *beginning* of class on the specified due date. **Late homework will not be accepted. You are NOT authorized to collaborate on homework.**

Exams: There will be **three** exams during the regular semester and a final exam.

Course grades will be computed as follows:

GRADE CHART	
20% x 3 = 60%	Tests I, II, III
20%	Homework
20%	Final

The final percentages indicated below will ensure the following letter grades:

- >90% At least an A-
- >80% At least a B-
- >70% At least a C-
- >60% At least a D

EXAM DATES:

Exam I	Tuesday, September 30, 2004
Exam II	Thursday, October 28, 2004
Exam III	Tuesday, November 23, 2004
Final Exam	Wednesday, December 15, 2004, 8:30-11:30 am

Honor Code/Academic integrity Policy:

All students are covered by a policy that prohibits dishonesty in academic work. The Academic Integrity Policy (AIP) covers all students who entered Trinity before fall 2004. The Academic Honor Code covers all those who entered fall 2004. Students who are under the Honor Code are required to pledge all written work that is submitted for a grade: "*On my honor, I have neither given nor received any unauthorized assistance on this work*" and their signature. The pledge may be abbreviated "*pledged*" with a signature. Alleged violations will be reported to the Honor Council. Students who are under the AIP will be requested to make the same pledge, which for them will mean that they acknowledge that use of unauthorized assistance will be handled by the instructor under the guidelines of the AIP. For each type of written work submitted, unauthorized assistance will be defined as any assistance outside of the resources specifically stated in the syllabus.
