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**SYLLABUS**  
**Fall 2004**  
**CALCULUS I (Math 1311-5, 6)**

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*Dr. Elaydi*  
**Department of Mathematics**

**OFFICE:** MMS 115D                      **OFFICE HOURS:** TWF: 2:30-4:30, or by appointment  
**EMAIL:** *selaydi@trinity.edu*      **CLASS MEETS:** Section 5 (TR: 11:20-12:35);  
Section 6 (TR: 12:45-2:00),  
MMS 141

**BUS. PHONE:** (210) 999-8246

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**TEXT:** *Calculus Early Transcendentals Matrix Version, Sixth Edition by Edwards & Penney*

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**COURSE CONTENTS:** Calculus is a mathematical discipline that is concerned with the Analysis of problems of change and motion. It grew out of the seventeenth century investigations of Sir Isaac Newton (1642-1727) and G.W. Leibniz (1646-1716) and it serves today as the language of science, social science, economics, and many other fields of knowledge. Our goal in this course is to master the techniques and the underlying concepts of the main ideas and notions in Calculus.

In this class we will cover chapters 2-6. Chapter 2 introduces a basic concept in Calculus, namely the notion of limits. Chapters 2-4 cover the fundamentals of derivatives of functions of one variable. Chapter 5 gives a rudimentary exposition of integration. And Finally Chapter 6 will cover some applications to integration.

**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 authorized to collaborate on homework, but please submit your own work on your own paper.

**Exams:** There will be **three** exams during the regular semester and a final exam. Basic scientific calculators and graphing calculators are authorized for use on the all exams. All other resources are **unauthorized**. This includes but is not limited to: books, notes, calculators with computer algebra systems (CAS), computers, PDAs, and cell phones. Course grades will be computed as follows:

<b>GRADE CHART</b>	
20% x 3 = 60%	Tests I, II, III
15%	Homework
25%	Final

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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:**

<b>Exam I</b>	Tuesday, September 30, 2004
<b>Exam II</b>	Thursday, October 28, 2004
<b>Exam III</b>	Tuesday, November 23, 2004
<b>Final Exam</b>	<i>Wednesday, December 15, 2004, 6:30-9:30</i>

**NOTES:**

- I. Regular attendance is a requirement in this class. Excessive absences will result in dismissal from the class.*
- II. In the case of an excused absence (e.g., a documented illness or a sanctioned University activity), the instructor may approve a replacement for an in-class exam. Appropriate written documentation must be presented to the instructor for approval, preferably in advance*
- III. The Final will be given only at the scheduled time.*

**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.

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