MAC 2233, Section 278: Calculus for Business  
Summer, 2005  
Prerequisite: MAC 1105 or MAC 1147 or equivalent

Instructor: L. J. Lipkin  
Office: Room 2022/Building 50 (Science and Engineering Building)  
Office phone: 620-3711  
llipkin@unf.edu  
Office hours: Tuesday, Thursday, Friday 2:00 – 4:00 and by appointment  
Class meetings: Tuesday, Thursday, Friday 4:20 – 6:00  
A graphing calculator is required. Suitable calculators are TI-83, 86, or 89; HP48G or 49G

Administration: Attendance is required at all class sessions. Homework will be assigned and collected on a regular basis. All homework must be written on 8.5x11 paper. Write on one side only of your paper, and staple in the upper left corner. Homework will be accepted only in this form. No late homework will be accepted (unless there is a very good reason such as sickness). No late quizzes or exams may be taken without an appropriate excuse (sickness, etc). The semester grade will be figured on the following basis:

Homework (scaled) ……………………………………………… 50  
Quizzes (4@25) ………………………………………………… 100  
Two exams @ 100 ……………………………………………… 200  
Final exam ……………………………………………………… 125  
TOTAL ……………………………………………………………... 475

Upward or downward trends may be taken into account when assigning the semester grade.

Last day to withdraw: June 6  
Final Exam: Friday, July 1, 4:20 – 6:00

The course: Calculus is one of the greatest creations of the human mind. It provides the foundation for many applications of mathematics. We will examine new ways of thinking and of solving problems using this rich and important subject. In addition to the traditional applications to business and economics (marginal analysis, present and future value, elasticity, optimization, etc.), recent applications of calculus to business include portfolio optimization and the pricing of options and derivatives. In this course we will explore the fundamentals of calculus and some of its applications.

REQUIREMENT: I will be sending emails to the class several times each week. You MUST check your email daily to receive the messages. For information on accessing or reading your email, go to http://www.unf.edu/dept/its/email/student-email.htm

(continued on next page)
NOTE WELL:  

(1) This summer course covers one whole semester in HALF the time. Do NOT take too many courses at once. **You should expect to study at least twelve (12) hours per week outside of class in order to be successful.**

(2) You must be sure to do ALL of the assigned homework in a timely fashion. Do not fall behind! It’s hard to catch up. To help you keep up, there will be four quizzes and four graded homework assignments. See the tentative schedule for the dates.

(3) In all courses you must READ the book CAREFULLY. This is especially true of mathematics books. The purpose of the course is to examine applications to business, so the examples and problems must be read and understood before it is possible to analyze them.

(4) Items 2 and 3 above indicate why you should expect to study at least twelve hours per week. You must read the book carefully and work seriously on the homework assignments.

(5) The Rewards: By following all of the instructions given above, you will earn a good grade in the course, and you will become adept at solving problems and understanding new material in all of your work.