

CALCULUS FOR MANAGEMENT SCIENCE

Course Policy

SPRING 2003

Instructor:

MAT 231: Calculus for the Management Sciences:

A one semester course designed for students in business, economics, and the social sciences. Topics include limits, differentiation and integration of algebraic, exponential and logarithmic functions, optimization, and other applications. This course meets General Education "Quantitative Thought" requirement 5. Pre-requisite: Placement or grade of C or better in College Algebra (MAT 195).

Office Hours:	Monday	10:00 - 11:15 (E - 321 - O)
	Tuesday	08:30 - 09:45 (E -321- O)
	Wednesday	10:00 - 11:15 (E - 321 - O)
	Thursday	02:30 - 03:45 (E - 321 - O)

Textbook: ***Calculus for Business, Economics, Life Sciences, And Social Sciences.***
By Raymond A. Barnett, Michael R. Ziegler and Karl E. Byleen. Ninth Edition, 2002.
Published by Prentice Hall.

Calculator: **A graphing calculator is required for this course.**

Syllabus:

- Chapter 1. A Beginning Library of Elementary Functions**
- Chapter 2. Additional Elementary Functions**
- Chapter 3. The Derivative**
- Chapter 4. Graphing and Optimization**
- Chapter 5. Additional Derivative Topics**
- Chapter 6. Integration**
- Chapter 7. Additional Integration Topics**

ASSIGNMENTS: A problem set will be assigned and due as specified. You are encouraged to work on the assignments with a student partner. All assignments will be **graded**. A total of eight assignments must be completed for this course.

OBJECTIVES AND TEACHING PROCEDURES:

The course objectives will be discussed at the beginning of each chapter. Your Instructor will provide you with information in the form of lectures. Further, a variety of instructional modes may be used in working toward these objectives. This is **not** a self-pace course.

TESTS:

Eight unit tests, a mid-semester examination and a final examination are required. All tests must be taken as scheduled. No make-ups are given unless arranged prior to test. Testing will be carried out only in the classroom.

GRADING:

The semester grade will be a weighted average of the assignment grades (25%), the unit test grades (45%), the mid-semester exam. grade (10%) and the final exam. grade (20%). The final grade will be changed to a letter grade as described in the catalog.

ATTENDANCE:

Attendance is mandatory. You are expected to attend all classes. In case of extended absence such as serious illness you are expected to call the Office of the Dean of Student Services so that your Instructor will be notified. In such situations, arrangements for make-up work must be discussed individually with the instructor. Attendance will be recorded for every class meeting. It must be noted that poor attendance generally results in poor grades.

Proposed Schedule for Lectures to Units

WEEK	1	Chapter 1
	2	
	3	Chapter 2
	4	
	5	Chapter 3
	6	
	7	
	8	Chapter 4
	9	
	10	
	11	Chapter 5
	12	
	13	Chapter 6
	14	
	15	Chapter 7
	16	FINAL EXAM. WEEK.

Tentative Test Schedule

Unit #	TEST BY
1	
2	
3	
Mid-semester Exam	
4	
5	
6	