

SUFFOLK COMMUNITY COLLEGE  
MATHEMATICS DEPARTMENT  
STUDENT COURSE OUTLINE/SYLLABUS  
MAT131 - Spring 2009

<u>INSTRUCTOR:</u>	Dr. James Fulton	<u>OFFICE:</u>	R345
<u>COURSE:</u>	MAT131- Calculus for Non-Science Majors	<u>OFFICE HOURS:</u>	M 9:00-11:00AM, 3:20-3:50PM
<u>CRN #:</u>	21126		Tu 9:30-10:30 AM
	M 11:30 AM -12:20 PM		W 3:20-3:50 PM
	T/Th 11:00 AM-12:15 PM		Th 9:30-10:30 AM
<u>CLASSROOM:</u>	R201		By Appointment
<u>PREREQUISITE:</u>	MAT124	<u>CREDITS:</u>	4
<u>TELEPHONE:</u>	451-4784 (Prof. Fulton)		
	451-4270 (Secretary)		
<u>E-MAIL:</u>	fultonj@sunysuffolk.edu		

COURSE PHILOSOPHY:

This course is designed for students of accounting, business, economics, social sciences and general studies. It involves the study of functions, derivatives and integrals. Strong emphasis placed on application of these concepts to problems from fields of business, social sciences, and some life sciences.

COURSE GOALS:

To give a light and practical introduction to the main techniques of calculus, as well as, to study applications of these techniques in business, management science, and social science.

STUDENT REQUIREMENTS:

The student is required to:

1. Attend class.
2. Read assigned material and complete homework assignments
3. Complete all assignments on time
4. Take all the examinations at scheduled times.

GRADING POLICY:

1. There will be four (4) exams. The lowest exam grade will be dropped. There are NO makeup exams.
2. There will be three (3) collected problem sets.
3. A comprehensive final exam
4. Your course average will be determined as follows:

Exams.....	50%
Problem Sets.....	25%
<u>Final.....</u>	<u>25%</u>
TOTAL	100%

COLLEGE-WIDE ATTENDANCE POLICY:

All students are expected to attend every session of each course for which they are registered. Students are responsible for all that transpires in class whether or not they are in attendance. The College defines excessive absence or lateness as more than the equivalent of one week of class meetings during the semester. Excessive absence or lateness may lead to failure in a course or removal from the class roster.

TEXTBOOK:

CALCULUS: For Business, Economics, and the Social and Life Sciences (Brief Edition) 9<sup>th</sup> Edition  
Laurence D. Hoffman, Gerald L. Bradley  
McGraw Hill

OUTLINE OF TOPICS:

This outline is tentative, but will be followed as closely as possible. Any additional time will be used for review and/or optional topics.

<u>Topic</u>	<u>Chapter</u>
Functions, Graphs, and Limits EXAM #1	1
Basic Concepts of Differentiation EXAM #2	2
Applications of the Derivative	3
Exponential and Logarithmic Functions EXAM #3	4
Integration EXAM #4	5

COMPREHENSIVE FINAL EXAM

MATHEMATICS LEARNING CENTER:

Free tutoring and use of computer software is available in the Math Learning Center (R235). Hours are posted on the door. You must sign in each time you use the MLC. The College and the Mathematics Department support the MLC.