

THE UNIVERSITY OF TENNESSEE AT MARTIN
DEPARTMENT OF MATHEMATICS AND STATISTICS
FALL 2010

MATH 160- 001 CRN 41833 CALCULUS FOR BUSINESS AND LIFE SCIENCES
INSTRUCTOR: THERESA RUSHING: I PREFER TO BE CALLED **MRS. RUSHING**.
OFFICE: HU227 E-MAIL: trushing@utm.edu I do not check e-mail on weekends or at night
PHONE: **881-7371**, DEPARTMENT: 881-7360

This course, for three hours credit, meets on Monday, Wednesday, and Friday from 8:00 to 8:50 in HU417. The prerequisite is Math 140 or equivalent.

TEXT : Applies Calculus for the Managerial, Life, and Social Sciences, A Brief Approach, 8th Edition, by Soo T. Tan, published by Brooks/Cole, Cengage Learning. c. 2009 ISBN: 0538781319 (required)

ATTENDANCE: Your final course grade will be reduced 9 points (out of a possible 900 points) for each absence after your fourth absence (That is, beginning with your fifth absence). **Being tardy carries the same penalty as being absent. A student who is tardy to class three times by as much as ten minutes without the permission of the instructor will receive an F for the course.** Do not come to class sick! I will endeavor to work with you if the University is hit by the flu.

ASSIGNMENTS AND QUIZZES: Homework and quizzes will be done online at www.WebAssign.com. Homework is very important. That is the way that you learn.

TESTS: There will be **five tests**. **In order to receive credit, a student must do all work in pencil. Tests done in ink will be assigned a grade of zero.** I will use the final exam as a **makeup for a missed test**. **Cheating on a test or quiz will result in a zero on that test and may result in an F for the course.**

GRADING SCALE:	% SCALE		POINT SCALE	
	90 – 100	A	810 – 900	A
	80 – 89	B	720 – 809	B
	70 – 79	C	630 – 719	C
	60 – 69	D	540 – 629	D
	Below 60	F	Below 540	F

GRADES:	Tests (5) (100 pts @)	500 (56%)
	Homework/Quizzes	200 (22%)
	Final Examination	<u>200 (22%)</u>
		900 (100%)

FINAL EXAMINATION: **The final examination for this course will be given on Monday, December 13, 2010 from 3:00 to 5:00 p. m.** The location will be announced later. There are no exceptions to this date. **Neither you nor I can change this date or time!!!!**

SUPPLIES: You will need pencil, paper, graphing calculator, graph paper, texts, and access to WebAssign. If you purchase a graphing calculator, I recommend that you purchase a TI83, TI83PLUS, TI84, or TI84Plus. You will not be allowed to use a TI89 or TI92 or any calculator with algebra capabilities.

OFFICE HOURS: My office hours are Mondays, Wednesdays, and Fridays 10:20-10:50 and Tuesdays and Thursdays 8:00-10:50, and 1:00-2:15. Students may see me at other times by making an appointment. Office hours are times for students to ask questions.

MATH LAB: Students may also receive help in the UTM math lab on Mondays – Thursdays from 9:00 AM to 3:00 PM in HU B103A and from 4:00 PM to 9:00 PM in HU408 beginning on September 8. The tutors will not work your homework problems or any other problems for which you will receive a grade.

STUDENT WITH DISABILITIES: Any student eligible for and requesting academic accommodations due to a disability is requested to provide a letter of accommodation from the P.A.C.E. office or Student Academic Support Center within the first two weeks of the semester.

HOW TO BE SUCCESSFUL IN A MATH CLASS: The purpose of a math class is to teach you to think mathematically. Since math is a thought process, most of the burden of learning falls on the student. I expect you to be able to use the mathematical language and the symbols associated with mathematics to communicate effectively and to model mathematical procedures to answer mathematical questions successfully.

WHAT DOES IT MEAN TO ANSWER A MATHEMATICAL QUESTION SUCCESSFULLY?

1. The student is able to answer the question using the steps that are part of the correct procedure.
2. The student obtains the correct solution.
3. The student is able to accomplish 1 & 2 without using a guideline such as an example and without help from any other individual. In other words, the student is able to work a problem by himself/herself without looking in the book, asking the teacher for help, or copying what someone else has done.

THE STEPS TO SUCCESS IN MATHEMATICS: 1. Read the text and study the examples. 2. Attend class, pay attention, and take notes. 3. Review, review, review. 4. Do all the homework.

HOW MUCH TIME SHOULD A STUDENT SPEND STUDYING MATH PER WEEK? At least six hours.

GRADE	NUMBER OF SUCCESSFUL PROBLEMS THAT THE STUDENT MUST WORK PER WEEK OVER ALL OBJECTIVES	SUCCESS RATE ON TESTS	SUCCESS RATE ON HOMEWORK	ATTENDANCE/ MISS NO MORE THAN
D	50	60% or more	60% or more	1 CLASS
C	75	70% or more	70% or more	1 CLASS
B	100	80% or more	80% or more	1 CLASS
A	125	90% or more	90% or more	1 CLASS