

## MATH 176.007 - MATHEMATICS FOR BUSINESS APPLICATIONS II

---Spring, 2015

Call#23017

TEXT: Applied Mathematics for the Managerial, Life and Social Sciences 6<sup>th</sup> Edition by Tan, ISBN#978-1133108948. The text is **REQUIRED**.

CALCULATOR: A TI-83 or TI-84 calculator is necessary for this course. A TI-80 or TI-81 will not work !

INSTRUCTOR: Mr. John Heath, Binnion 311, Phone (903)886-5946 or 886-5157 (Secretary), e-mail: john.heath@tamuc.edu

TESTS: Material to be covered will include chapters 9, 10, sections 12.1 and 12.2 , and sections 11.1, 11.3, and 11.6. Problems 1,4,7, 10, .....etc. will usually be assigned in each exercise.

Course Description: This course examines differential and integral calculus of functions of one variable, limits, continuity, derivatives, curve sketching, application problems, marginal functions in economics, optimization problems, functions of several variables, and partial derivatives.

The first test will be the fourth week of class, then about every three weeks thereafter.

Test one--After 9.5;

Test two--After 9.8;

Test three--After Chapter 10;

Test four--After 11.6.

Make-up tests will be given only in the case of an excused absence.

THE FINAL EXAM IS COMPREHENSIVE AND WILL BE GIVEN

GRADING: A= 90-100

C= 70-79

B= 80-89

D= 60-69

F= Below 60

**GENERAL COMMENTS:** After all grades are recorded, there is a chance that the grading scale will be lowered a few points to take into account testing errors. The four tests you take before the final exam will comprise 60% of your grade, the homework 10%, and the FINAL 30%.

For example, Sam gets 75, 70, 88, and 83 on his first four tests, his homework average is 92%, and his FINAL EXAM grade is 69. His final course grade would be...[  $79(\text{test average}) \times 60\%$  ] +  $[92 \times 10\%]$  +  $[69 \times 30\%]$  =  $47.4 + 9.2 + 20.7 = 77.3$ , a course grade of C.

You can expect the tests and Final to contain problems similar to those assigned as homework or discussed in class.

Roll will be taken in every class.

My office hours will be 3:00- 5:00 MTWR. I hope you will make use of these to confer with me should you encounter problems or difficulties.

The Math Lab is usually available during class days.

It is staffed by personnel most of whom are qualified to help students with Math 176. I will give you some specific hours on this lab as soon as I can. It is located in Binnion 328.

It is expected that you will be regular and punctual in your attendance.

**(OVER)**

**EARLY INTERVENTION FOR FIRST YEAR STUDENTS:**

- **Early intervention for freshmen is designed to communicate the University's interest in their success and a willingness to participate fully to help students accomplish their academic objectives. The university through faculty advisors and mentors will assist students who may be experiencing difficulty to focus on improvement and course completion. This process will allow students to be knowledgeable about their academic progress early in the semester and will provide faculty and staff with useful data for assisting students and enhancing retention. Grade reports will be mailed by the end of the sixth week of the semester.**

**STUDENT LEARNING OUTCOMES:** Students will understand the definition of the derivative and how formulas for finding derivatives evolve. Students will be able to apply the derivative to solutions of applied problems. Students will comprehend the definition of the integral and begin to solve some beginning integration problems.

The Mach III/TRIO Program is available for students who qualify for additional resources, such as private tutoring. In order to qualify, students must meet certain conditions, such as being a first-generation college student. For more information, contact Ronnie Brooks at 903-886-5833 or in the Halladay Student Services building, Room 301.

“The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact: **Office of Student Disability Resources and Services, Room 132, Gee Library, or call 886-5835, email StudentDisabilityServices@tamuc.edu**”

*All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (See Student’s Guide Handbook, Policies and Procedures, Conduct)*

**176 TR Tentative Schedule (Spring 2015) For Students**

**Week 1 (Jan. 20, 22)**

**9.1 & 9.2**

**Week 2 (Jan. 27, 29)**

**9.2 & 9.3**

**Week 3 (Feb. 3, 5)**

**9.3 & 9.4**

**Week 4 (Feb. 10, 12)**

**9.5 , Exam I**

**Week 5 (Feb. 17, 19)**

**9.6, 9.7**

**Week 6 (Feb. 24, 26)**

**9.8 & 10.1**

**Week 7 (Mar. 3, 5)**

**10.1 & 10.2**

**Week 8 (Mar 10, 12)**

**10.3 , Exam II**

**Week 9 (Mar. 24, 26)**

**10.4,10.5**

**Week 10 (Mar. 31, Apr. 2)**

**12.1, 12.2**

**Week 11 (Apr. 7, 9)**

**Exam III**

**Week 12 (Apr. 14, 16)**

**11.1, 11.2**

**Week 13 (Apr. 21, 23)**

**11.4, 11.5**

**Week 14 (Apr. 28, 30)**

**11.6 , Exam IV**

**Week 15 (May 5, 7)**

**Review for Final Exam**

**Week 16 (May )**

**FINAL EXAM,**

**NOTE SPECIAL TIME!!**

**HOPE YOU ENJOY THE COURSE !**

