

## MATH 176.001 - MATHEMATICS FOR BUSINESS APPLICATIONS II

---Summer I, 2015

Call# 40274

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.

**Roughly , the three one-hour and 50-minute tests will be given as follows:**

**Test one-Tuesday of the second week;**

**Test two- Monday of week four;**

**Test three- Thursday of week five. (July 9)**

**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 three tests you take will comprise 90% of your grade and the homework 10%. For example, Sam gets 75, 88, and 74 on his three tests, and his homework average is 92%. His final course grade would be...[ 79(test average) x 90%] + [92 x 10%] = 71.1 + 9.2 = 80.3, a course grade of B.**

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

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

Roll will be taken in every class.

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.

**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)*

**HOPE YOU ENJOY THE COURSE !**

**Daily Schedule:**

- 1) . 9.1
- 2) . 9.2
- 3) . 9.3
- 4) . 9.4
- 5) . 9.5
- 6) . Test I
- 7) . 9.6
- 8) . 9.7
- 9) . 9.8
- 10) . 10.1
- 11) . 10.2
- 12) . 10.3
- 13) . Test II
- 14) . 10.4
- 15) . 10.5
- 16) . 12.1
- 17) . 12.2
- 18) . 11.1, 11.2, 11.4
- 19) . 11.5, 11.6, 11.7
- 20) . Test III