

Math 2413.004 - Calculus I Call#82240
4 Credit Hours
Fall 2013 1:00-1:50 MTWR, SI Session 1:00 Friday

Text: CALCULUS, Seventh Edition

It is highly recommended you have a TI-83/84 Calculator or equivalent for this course.
(Some are available for rent in the Math Department Office @\$10-\$15 per semester)

Author: James Stewart, Thomson-Brooks/Cole, 2012

ISBN 9780538497817

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

Course Description: This course examines differential and integral calculus of functions of one variable, as follows. Topics include limits; continuity; derivatives; curve sketching; applications of the derivative; the definite integral; derivatives and integrals of trigonometric functions; and use of computer technology. Prerequisite Two years of high school algebra and trigonometry or Math 142.

Tests: Material covered during the session will be Sections 1.4-1.8, Chapters 2, 3, and 4, 6.2, 6.3, and 6.4. Roughly, the four tests will be given as follows:

Test one-During the fourth week;

Test two- During seventh week;

Test three-During tenth week;

Test four-During last week before review week.

The FINAL will be comprehensive and will be given Friday, December 13, 10:30-12:30

GRADING: A= 90-100 C= 70-79
B= 80-89 D= 60-69 F= Below 60

GENERAL COMMENTS: The four tests you take will comprise 60% of your grade, the Final 30%, and the homework 10%.

For example, Sam gets 75, 70, 88, and 83 on his four tests, and his homework average is 92%, and his Final Exam Grade is 69. His final course grade would be...[79(test average) x 60%] + [92 x 10%] + [69x30%]= 47.4+ 9.2 + 20.7=77.3, a course grade of C. If the Final test grade is higher than any of your four regular test grades, it will be substituted for the lowest of those before I average those four tests. (The FINAL still counts 30%).

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

You may drop the course anytime within a week after the second test is returned to the class and receive a W or DP, whichever is appropriate, provided your attendance is at least 75% and you have taken all tests up to that time. Should you drop after this day, you will receive a DP if you are passing and an F if you are not passing.

My office hours will be 3:30-5:30 MTWR. I hope you will make use of these to confer with me should you encounter problems or difficulties. The staff of the Math Lab in Binnion 328 are a source of help if not tied up with algebra students. Their hours are M&W, from 8 to 8, T&R from 8 to 6, and Friday 8 to 3.

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

Roll will be taken in every class.

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.

Students with Disabilities:

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
Texas A&M University-Commerce**

Gee Library

Room 132

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

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 !

WEEKLY SCHEDULE:

- 1). 1.4, 1.5, 1.6
- 2). 1.7, 1.8, 2.1
- 3). 2.2, 2.3, 2.4
- 4). 2.5, Test I
- 5). 2.6, 2.7, 2.8
- 6). 2.9, 3.1, 3.2
- 7). 3.3, 3.4, Test II
- 8). 3.5, 3.6, 3.7
- 9). 3.8, 3.9
- 10). 4.1, 4.2, Test III
- 11). 4.3, 4.4
- 12). 4.5, 6.2
- 13). 6.3, 6.4
- 14). Test IV (Thanksgiving Week)
- 15). Review
- 16) FINAL WEEK

