

TEXT: Applied Mathematics For the Managerial, Life, and Social Sciences,
by Tan 5th Edition.

INSTRUCTOR: Dr. Bill Aslan

OFFICE: BIN 317

PHONE: 903-886-5953

OFFICE HOURS: MW 9:00 – 9:50 and TR 10:00 - 10:50. Others by appointment

NECESSARY MATERIALS: TI-83 graphing calculator

Course Description and Objectives:

We will cover chapters 9, 10, 11 and part of chapter 12. Topics include Derivative of functions (linear, quadratic, polynomial, rational, exponential, logarithmic), graphing, optimization, and mathematics of finance and integration.

In addition to learning mathematics, goals of the course also include developing a comfort level in technology, learning to efficiently work together with other people, and gaining skills in communicating technical ideas in written form.

STUDENTS LEARNING OUTCOME :

Upon completion of this course, students will be able to

- 1. Apply Calculus to physical situations and theoretical problems,**
- 2. Identify, interpret the power of derivative as a tool to analyze the properties of a function**
- 3. Solve problems of various types of applications of the derivative,**
- 4. Demonstrate problem solving ability to functions and their graphical information,**
- 5. To find area between the graph of two functions using Fundamental Theorem of Calculus.**

TESTS: We will have FOUR 100-point tests plus a 150- point comprehensive final exam. If a test is missed with an excused absence, a grade equal to the percentage of your final exam grade may be substituted for the test that you missed. Make-up tests usually will not be given.

FINAL EXAM: The final will be a comprehensive examination and will be given on Monday, December 10th from 8:00-10:00

CLASS ATTENDANCE Class attendance is expected and it is your responsibility to attend punctually and regularly. [Please refer to The General Catalog for attendance policy statement.]

HOMEWORK: One should expect to solve all of the assigned homework problems and understand all examples given in the text. You are encouraged to read the text with a pencil and paper at your side, and re-read as many times as necessary to bring an understanding. Perseverance, diligence, and much work usually go hand-in-hand with success in math. Pop quizzes will be given from time to time. Quizzes and Homework count .5 as much as a period examination (50 – point).

GETTING HELP: Requests from students (with disabilities) for reasonable accommodations must go through the Academic Support Committee. For more information, contact the Director of Disability Resources and Services.

ACADEMIC DISHONESTY: Texas A&M University- Commerce has explicit rules and regulations governing academic dishonesty and academic misconduct. These policies are stated in detail in the Student's Guide Handbook. Each student is expected to read this document and abide by the contained policies. These university policies will be followed in this class. The minimum penalty for an act of academic dishonesty will be the assignment of a grade of zero on the examination or homework assignment.

STUDENT CONDUCT: Students are expected to conduct themselves in a professional manner at all times. Classroom disruptions will not be tolerated. Classroom disruptions include (but are not limited to): coming to class late, leaving class early, talking off-topic, incessant chatting, and using electronic communication devices. Any student who disrupts a class session will immediately be asked to leave the classroom. Students who repeatedly disrupt class will be dropped from the course. No exceptions!!

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

Academic Integrity:

As stated in the Student Handbook, academic dishonesty in the class will not be tolerated. If any materials or equipment are found to be available to the student at any time which is considered inappropriate by the instructor, the very fact that the materials are inappropriately available to the student is grounds for an accusation of academic dishonesty. The instructor reserves the right to fail the student for the assignment or the course, as well as report the student to the Academic Dean, the Dean of Students, and the Committee for Academic Retention in Teacher Education. The above committee and deans have the ability to terminate a student's participation in the teacher education program. They also have the ability to terminate the student's enrollment in the University. The instructor considers this an extremely serious matter. Please make sure you are not in a situation that could be viewed negatively. I find that a majority of students are honest in doing their school work. However, we must take measures to protect the academic integrity of the classroom. **I have a NO TOLERANCE policy for cheating and if you are caught cheating; you will fail that portion of the course, as well as the entire course.** Cheating in this course is defined as (but not limited to) the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of nearby classmates.
- Having notes/practice work/etc. available during quizzes or tests.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make-up work.
- Use of cell phones or text messaging technology during exams or quizzes. **You may not use the calculator on your cell phones.**
- Improper citations in written works, or using another person's ideas and words as your own without giving proper credit.
- **Any** method, no matter how well rationalized or accepted, which improves a person's grade by any means other than study and skillful performances on exams and/or other assignments.

Students found guilty of an act of academic dishonesty in this course will be subject to receiving an “F” in this course, as well as the above-mentioned disciplinary actions.

Remaining enrolled in this course constitutes acceptance of all policies contained in this syllabus.

The **Math Skills Center** in B-328 offers free tutoring and problem solving aid several hours during the week. Watch for the announcement of the daily schedule.

Working with another person or in study groups on problems can be helpful in learning the material. I encourage you to work together if you find it helpful. However, all written work submitted must be your own. Copying someone else's problem solution or showing your written solution to someone else is prohibited. In order to be successful in learning the material and doing well on the examinations you must think very hard about the problems themselves before discussing them with anyone else.

Any changes in this syllabus will be communicated to you in class by the instructor.

SUGGESTIONS:

1. Attend class regularly and punctually.
2. Read the textbook. It may be necessary to re-read it several times to get a grasp of the material.
3. Never allow yourself to fall behind in the homework.
4. Don't fall into the trap of being a spectator, i, e., be a participant.
5. Come prepared for class each day.