



Syllabus: Calculus 3

Course Number: Math 2415

Instructor Information

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Office Hours: posted outside office door or by appointment

Textbook Information

- MyMathLab access code
- *Calculus, Early Transcendentals*, 2nd Edition, by Briggs, Cochran and Gillett
ISBN 13:978-0-321-94734-5
- A Graphing Calculator (note: TI-89 and TI-Nspire are not allowed on some tests)

Student Learning Outcomes for the Course

1. Perform calculus operations on vector-valued functions, including derivatives, integrals, curvature, displacement, velocity, acceleration, and torsion.
2. Perform calculus operations on functions of several variables, including partial derivatives, directional derivatives, and multiple integrals.
3. Find extrema and tangent planes.
4. Solve problems using the Fundamental Theorem of Line Integrals, Green's Theorem, the Divergence Theorem, and Stokes' Theorem.
5. Apply the computational and conceptual principles of calculus to the solutions of real-world problems.

Student Requirements for Completion of the Course and Due Dates:

Homework will be completed online using MyMathLab. In order to earn full credit, students should complete each homework assignment by the date posted on MyMathLab. At the end of the semester the lowest 3 homework scores will be dropped and will not count towards your homework average.

Tests – There will be a total of 4 Chapter Tests as follows. No Chapter tests grades will be dropped or replaced.

Chapter 11 Test

Chapter 12 Test

Chapter 13 Test

Chapter 14 Test

Final exam: The final exam is made up of two parts, a midterm and a final. Both parts will be paper exams taken in class on the assigned date.

Student Assessment

Homework – 20% (Lowest 3 scores dropped)

Chapter Tests – 60%

Final Exam – 20%

Grading Scale

A	90-100	B	80-89	C	70-79	D	60-69	F	59-below
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Class Schedule

See attached Schedule

Absentee Policy

Texarkana College's absentee policy allows instructors to withdraw a student from a course due to excessive absences. If a student leaves and returns during class or leaves the class before the class is over, he/she **may** be considered absent or tardy. Three tardies constitute one absence.

A student should not stop attending a class without formally withdrawing from the course by the institutions published Last Day for Students to Drop. If a student stops attending class after the published Last Day for Students to Drop, the student **may** receive a grade of "F" in the class. The instructor will submit the last date of attendance for students receiving a grade of "F" or "W".

Withdrawal from a course(s) **may** affect a student's current or future financial aid eligibility. Students should consult the Financial Aid Office to learn both short and long term consequences of a withdrawal.

Excused Absences

A student's absence due to school trips and/or school business will not be counted against a student's allowable number of absences. Military duty and absences for Holy Days (FBD LEGAL) are covered in a separate section of the catalog and the student handbook. These are the only excused absences that are considered by Texarkana College. Responsibility for work missed for any absence is placed on the student. Instructors are required to allow students to make up work missed if the absence is due to military duty or religious holy days when students follow the correct notification procedures. Instructors are not required to allow students to make up work for absences due to other reasons.

Maximum Allowable Absences

After official registration, the following number of unexcused absences will be the maximum allowable before a student **may** be dropped from the class. For Academic classes that meet four times a week, an instructor may withdraw a student from a course if they exceed **8** absences.

Make-up Policy

Students may make up missed tests if the absence is due to military duty or religious holy days when students notify the instructor prior to being absent. Students may also make up tests due to an emergency (documentation may be required). In the event of an emergency, the student must contact the instructor prior to the test. The instructor has the final say whether or not a student will be allowed to make up the missed test.

Students may have the homework due date extended for excused absences (See excused absences above). Because both MyMathLab and book assignments are posted on MyMathLab, you are responsible for completing your assignment by the due date, even if you were not in class the day the homework was assigned. Assignments may be completed after the due date, but will be penalized 10% per day.

Classroom Behavior

Each student must respect the learning environment of others, therefore, there will be a zero tolerance policy for any behavior that is disruptive to classroom learning. This includes use of vulgar language or rude behavior toward the instructor or any other student in the class as well as disruptive cell phone usage during class. Please be considerate of others who are trying to learn by using your cell phone appropriately during class time.

Academic Integrity Statement

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an "F".

This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This information can be found in the Student Handbook at <https://texarkanacollege.edu>.

Disability Act Statement:

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Larry Andrews at 903.823.3283, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance.

If you have an accommodation letter from their office indicating that you have a disability which requires academic accommodations, please present it to me so we can discuss the accommodations that you might need for this class. *It is best to request these changes at the beginning if not before the start of class* so there is ample time to make the accommodations.

Financial Aid:

Attention! Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.

Course Correspondence:

Course correspondence will be through TC student email, MyMathLab, or the student's email address he/she used to sign up for a MyMathLab account . It is the student's responsibility to check his/ her email and MyMathLab regularly for any information relating to the course.