



Syllabus: Calculus 3

Course Number: Math 2415.01

Instructor Information

Name: Stephanie Carpenter

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Textbook Information

"Calculus 3" from Openstax is available free online at <https://openstax.org/details/books/calculus-volume-3> and is available under your course on myTC.

Print: ISBN-10: 1-938168-07-0, ISBN-13: 978-1-938168-07-9

Digital: ISBN-10: 1-947172-16-6, ISBN-13: 978-1-947172-16-6

TI-84 plus graphing calculator is preferred

Student Learning Outcomes for the Course

Upon successful completion of this course, students will:

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

Material to be covered: All or parts of Chapters 2-6

Your grade for this class will be based on Chapter tests, Homework/Daily work and Quizzes, Midterm and a two-part final exam.

Student Assessment

Homework, Quizzes, Daily Work – 20%

Chapter Tests – 50%

Midterm and Final Exams – 30%

Grading Scale

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

See handout

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. Three tardies constitute one absence. You may be counted tardy for arriving late or leaving early.

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 three times a week, an instructor may withdraw a student from a course if they exceed **6** absences.

Make-up Policy

There will be no make-up exams for major tests or quizzes except for absences considered excused by Texarkana College. Any test missed will be recorded as a zero. Any student missing 3 major tests will be dropped from the course. If your free-response final exam grade is higher than one of your chapter test grades, the exam grade will replace the lower test score. Students may have the homework due date extended for excused absences (See excused absences above). If a student is absent the day an assignment or take-home quiz is due, it must be turned in the following class period that the student returns to class. If a student is absent the day the class receives an at-home assignment, the student will have one class period to turn in the work once he/she has returned to class.

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 Tonja Blase at 903.823.3349, 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.

Cell Phones:

Please turn cell phones on silent during class (not vibrate). If your cell phone becomes a distraction for others, you may be asked to leave and counted absent for the day.

Course Correspondence:

Any course correspondence will be through TC student email . It is the student's responsibility to check his/ her TC email regularly for any information relating to the course.

The instructor reserves the right to amend the syllabus as needed.