

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATH


Course #: **M 2313 CRN 26769**
Course Title: Calculus III
Credit Hrs: 3
Term: Spring 2023
Course Meetings & Location: Online class

Prerequisite Courses: Math 1312 with a grade of at least C or appropriate placement scores.

Instructor: Dr. Rocio Gallardo
Office Location: Bell Hall 130E
Contact Info: (915) 801-2994 Cell Phone
E-mail address regallardo@utep.edu
Emergency Contact: (915)-801-2994
Office Hrs: MW 12:00 pm to 1:00 pm
Textbook(s), Materials: Required: Calculus by Larson, 11th Edition (available as e-book and hardcover)
We recommend purchasing one of the Lifetime of Edition option.

Required: Basic Scientific Calculator (a calculator without graphing, derivative or integration capabilities)

Course Objectives (Learning Outcomes): Students are expected to have a clear understanding of the ideas of Calculus as a solid foundation for subsequent courses in mathematics and other disciplines as well as for direct application to real life situations.

Course Activities/Assignments: You will find all assignments on <http://webassign.net/> . Please use Mozilla Firefox,  or Google Chrome since WebAssign works best with these browsers. Unannounced quizzes may be administered in the classroom.

Class Key utep 1988 7453

Assessment:

Grading Policy: Your grade will be calculated as follows:

WebAssign	10%
Quizzes	10%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Exam 4	15%
Comprehensive Final	20%

The grading scale for this course is:

90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
0 – 59 = F.

Academic Calendar:

Jan 17th	Spring classes begin
Jan 17th-20th	Late Registration (Fees are incurred)
Feb 1st	Spring Census Day Note: This is the last day to register for classes. Payments are due by 5:00 pm.
Feb 13th	20 th Class Day Note: Students who were given a payment deadline extension will be dropped at 5:00 pm if payment arrangements have not been made.
Feb 17th	Graduation application deadline for degree conferral
Mar 13th-17th	Spring Break
Mar 30th	Spring Drop/Withdrawal Deadline Note: Student-initiated drops are permitted after this date, but the student is not guaranteed a grade of W. The faculty member of record will issue a grade of either W or F.
Mar 31st	Cesar Chavez Holiday - No classes
Apr 7th	Spring Study Day
Apr 14th	Deadline to submit candidates' names for commencement program
May 4th	Spring – Last day of classes

May 5th	Dead day
May 8-12th	Spring Final Exams
May 13-14th	Spring Commencement
May 17th	Grades are Due
May 18th	Grades are posted to student records; students are notified of grades and academic standing

Academic Integrity Policy: The University policy is that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Each student is responsible for notice of and compliance with the provisions of the Regents' Rules and Regulations, which are available for inspection electronically at <http://www.utsystem.edu/bor/rules/homepage.htm>

All students are expected and required to obey the law, to comply with the Regents' Rules and Regulations, with System and University rules, with directives issued by an administrative official in the course of his or her authorized duties, and to observe standards of conduct appropriate for the University. A student who enrolls at the University is charged with the obligation to conduct himself/herself in a manner compatible with the University's function as an educational institution.

Any student who engages in conduct that is prohibited by Regents' Rules and Regulations, U. T. System or University rules, specific instructions issued by an administrative official or by federal, state, or local laws is subject to discipline, whether such conduct takes place on or off campus or whether civil or criminal penalties are also imposed for such conduct.

Civility Statement: Calculators may not be used during quizzes and exams. Please do not use cell phones, pagers, iPods, MP3 players, blue tooth devices, etc. during class. Cell phones and pagers should be set to silent or vibrate, and any calls should be taken outside of class. Please do not wear headsets or blue tooth devices during class. Please don't talk in class. Cell phone calculators may not be used on quizzes or exams. Active participation in class is expected, teamwork in class will be implemented.

Disability Statement: If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact The Center for Accommodations and Support services (CASS) at 747-5148 or at <cass@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

Military Statement: If you are a military student with the potential of being called to military service and/or training during the semester, please contact me by the end of the first week of class.

Week	Dates	Lesson Covered	Section Titles
1	Jan. 16 – Jan. 22 January 16th – Institutional Holiday (No Class)	11.1, 11.2, 11.3	11.1- Vectors in the Plane 11.2- Space Coordinates and Vectors in Space 11.3- The Dot Product of Two Vectors
2	Jan. 23 – Jan. 29	11.4, 11.5	11.4 – The Cross Product of Two Vectors in Space 11.5 - Lines and Planes in Space
3	Jan. 30 – Feb. 5	11.5, 11.6, 11.7 Quiz 1	11.5 - Lines and Planes in Space 11.6 - Surfaces in Space 11.7 - Cylindrical and Spherical Coordinates
4	Feb. 6 – Feb. 12	Review, Test 1, 12.1	12.1 - Vector-Valued Functions
5	Feb. 13 – Feb. 19	12.2,12.3,12.4 Quiz 2	12.2 - Differentiation and Integration of Vector-Valued Functions 12.3 - Velocity and Acceleration 12.4 - Tangent Vectors and Normal Vectors
6	Feb. 20 – Feb. 26	12.5, Review, Test 2	12.5 - Arc Length and Curvature
7	Feb. 27 – March 5	13.1,13.2,13.3	13.1 - Introduction to Functions of Several Variables 13.2 - Limits and Continuity 13.3 - Partial Derivatives
8	March 6 – March 12	13.4,13.5,13.6	13.4 – Differentials 13.5 - Chain Rules for Functions of Several Variables 13.6 - Directional Derivatives and Gradients
	March 13 – March 19	SPRING BREAK	
9	March 20 – March 26	Quiz 3 13.7, Review, Test3	13.7 - Tangent Planes and Normal Lines
10	March 27 – April 2 March 31st Institutional Holiday (No Class) March 30th – Last Day to DROP with a “W”	13.8,13.9,13.10	13.8 - Extrema of Functions of Two Variables 13.9 - Applications of Extrema of Functions of Two Variables 13.10 - Lagrange Multipliers
11	April 3– April 9 April 7th Study Day (No Class)	14.1,14.2	14.1 - Iterated Integrals and Area in the Plane 14.2 - Double Integrals and Volume
12	April 10 – April 16 April 14th – Last Day to DROP with a “W”	, 14.3	14.3 - Change of Variables: Polar Coordinates
13	April 17 – April 23	14.4,14.5,14.6	14.4 - Center of Mass and Moments of Inertia 14.5 - Surface Area 14.6 - Triple Integrals and Applications
14	April 24 – April 30	14.7 Quiz 4 Review, Test 4	14.7 - Triple Integrals in Other Coordinates
15	May 1 – May 7	Review	
16	May 8 – May 12	Final Exam	

The final exam date is: _____