

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

Course #: M1411
Course Title: Calculus I
Credit Hrs: 4
Term: Fall 2018
Course Meetings & Location: TR 6:00 – 7:50PM LART 102
Prerequisite Courses: Math 1508 with a grade of at least C or appropriate placement scores.

Instructor: Francisco Avila
Office Location: Library 521
Contact Info: 747-8752
E-mail address: favila2@utep.edu
Emergency Contact: 747-5761
Office Hrs: TR 4:30 – 5:50PM or by appointment

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.

Assessment of Course Objectives: There will be 3 exams and one comprehensive final. These are departmental exams and to be taken in class during the assigned date as found on the calendar. **NO EXTRA CREDIT OR CURVES ON EXAMS. NO REPLACEMENT OF EXAM WITH FINAL EXAM.** A Retake Exam, for improvement, will be administered in the library after exam 1, 2 and 3. The best grade will be recorded for student grade.

To register for a retake exam go to <http://www.math.utep.edu/classes/retake/>. Failure to register means that you may not take this optional exam. Students must attempt the written exams, failure to take the first two written exam will result in the student to be dropped from this class.

If a student receives a grade of D or F, they may register for Winter-mester or take a comprehensive TestOut exam after Winter-mester. A grade of 70% or better on the comprehensive Winter-mester exam or a 70% or better on the TestOut exam will replace a failing course grade with a grade of C. (A grade change form will be signed and submitted by the coordinator for Pre-Calculus, Dr. Julian Viera.).

Grading Policy: Your grade will be calculated as follows:

WebAssign	10%
Quizzes	15%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Comprehensive Final	30%

The grading scale for this course is:

90 – 100 = A

80 – 89 = B

70 – 79 = C

60 – 69 = D

0 – 59 = F.

**The Drop Date for this semester is Friday November 2, 2018.
No drops will be approved after this date.**

Make-up Policy: No makeup exams will be allowed except with proper documentation, i.e. doctor's note, hospital's note, or UTEP excused absence document.

Attendance Policy: Students must attend every class. Students are to arrive on time to class. It is the student's responsibility to find out what assignment must be made up when they are absent.

Civility Statement: Please turn off cell phones when you enter class and participate in class, active participation in this class is a vital part of your success.

Academic Integrity Policy: 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.

Military Statement: If you are a military student with the potential of being called to military service and /or training during the course of the semester, you must contact me as soon as possible **before** you leave.

Disability Statement: If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.utep.edu/CASS. *CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.*

Webpage's for PreCalculus: Visit our website and read the course information thoroughly at <http://www.math.utep.edu/classes/calculus/>

or find us on facebook for information and News
<http://www.facebook.com/pages/UTEP-PreCalculusCalculus/180583381999326>

Course Schedule:

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Material for Exam 1: Chapter 1 and Chapter 2 upto 2.5

Date	Day	Sections	Description
8/28/18	Tuesday	Syllabus, 1.1	A Preview of Calculus
8/30/18	Thursday	1.2 - 1.3	Finding Limits Graphically and Numerically/Evaluating Limits Analytically
9/3/18	Monday	University Closed	Labor Day
9/4/18	Tuesday	1.3 - 1.4	Evaluating Limits Analytically/Continuity and One-Sided Limits
9/6/18	Thursday	1.4 - 1.5	Continuity and One-Sided Limits/Infinite Limits
9/11/18	Tuesday	2.1 - 2.2	The Derivative and the Tangent Line Problem/Basic Differentiation
9/13/18	Thursday	2.2 - 2.3	Product and Quotient Rules and Higher-Order Derivatives
9/18/18	Tuesday	2.4	The Chain Rule
9/20/18	Thursday	2.5	Implicit Differentiation
9/25/18	Tuesday	Review, 2.6	Related Rates
9/27/18	Thursday	Exam 1	
Oct. 5	Exam 1 Retake	Library 204A	Online Testing Students will not be allowed to begin the exam after 5:45PM.

Material for Exam 2: Section 2.6 and Chapter 3

Date	Day	Sections	Description
10/2/18	Tuesday	3.1 - 3.2	Extrema on an Interval/Rolle's Theorem and the Mean Value Theorem
10/4/18	Thursday	3.2 - 3.3	Increasing and Decreasing Functions & First Derivative Test
10/5/18	Friday	Retake Exam 1	
10/9/18	Tuesday	3.3	Increasing and Decreasing Functions & First Derivative Test
10/11/18	Thursday	3.4	Concavity and the Second Derivative Test
10/16/18	Tuesday	3.5 - 3.6	Limits at Infinity/A summary of Curve Sketching
10/18/18	Thursday	3.6 - 3.7	A summary of Curve Sketching/Optimization Problems
10/23/18	Tuesday	3.7 - 3.8	Optimization Problems/Newton's Method
10/25/18	Thursday	Review, 4.1	Antiderivatives and Indefinite Integration-Area
10/30/18	Tuesday	Exam 2	
11/1/18	Thursday	4.2 - 4.3	Riemann Sums and Definite Integrals
11/2/18	Friday	Course Drop Deadline	Students must have grade from Exam 2 in order to drop
Nov. 9	Exam 2 Retake	Library 204A	Online Testing Students will not be allowed to begin the exam after 5:45PM.

Material for Exam 3 Fall 2013

Date	Day	Sections	Description
11/6/18	Tuesday	4.4 - 4.5	The Fundamental Theorem of Calculus/Integration by Substitution
11/8/18	Thursday	4.5 - 4.6	Integration by Substitution/Numerical Integration
11/9/18	Friday	Retake Exam 2	
11/13/18	Tuesday	5.1 - 5.2	The Natural Logarithmic Function: Differentiation/Integration
11/15/18	Thursday	5.3	Inverse Functions
11/20/18	Tuesday	5.4 - 5.5	Exponential Functions: Differentiation and Integration

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11/22/18	Thursday	No classes	Thanksgiving
11/27/18	Tuesday	5.5 - 5.6	Bases Other than e/Inverse Trigonometric Functions: Differentiation
11/29/18	Thursday	5.7 - 5.8	Inverse Trigonometric Functions: Integration/Hyperbolic Functions
12/4/18	Tuesday	Review	
12/6/18	Thursday	Exam 3	
12/7/18		No classes	Dead day
Evening classes following the final Exam Schedule on www.utep.edu			
Dec. 13	Exam 3 retakes	Library 204A	Online Testing

Class meets	Day of final exam	Date of final exam	Time of Final exam
TR 6:00 - 7:50PM	Thursday	12/13/18	7:00PM - 9:45PM (in regular classroom)