


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

Course #: M1411
Course Title: Calculus I
Credit Hours: 4
Term: Spring 2016
Course Meetings & Location: 1:30pm-2:20pm MTWR LART 307
Prerequisite Courses: Math 1508 with a grade of at least C or appropriate placement scores.

Instructor: Julio César Urenda-Castañeda
Office Location: LIB 504
Contact Info: 747-7005
E-mail address: jcurenda@utep.edu
Emergency Contact: 747-6770 (J. Viera)
Office Hours: TR 11:25am-1:25pm

Textbook(s), Materials: Required: Calculus by Larson, 10th 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 Maymester or take a comprehensive TestOut exam after Maymester. A grade of 70% or better on the comprehensive Maymester 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, Mr. 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 April 1, 2016. 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:

Material for Exam 1: Chapter 1 and Chapter 2 upto 2.5			
Date	Day		
1/18/2016	Monday	No Classes	
1/19/2016	Tuesday	Syllabus	
1/20/2016	Wednesday	1.1	A Preview of Calculus
1/21/2016	Thursday	1.2	Finding Limits Graphically and Numerically
1/25/2016	Monday	Quiz/Study Groups	
1/26/2016	Tuesday	1.3	Evaluating Limits Analytically
1/27/2016	Wednesday	1.4	Continuity and One-Sided Limits
1/28/2016	Thursday	1.5	Infinite Limits
2/1/2016	Monday	Quiz/Study Groups	
2/2/2016	Tuesday	2.1	The Derivative and the Tangent Line Problem
2/3/2016	Wednesday	2.2	Basic Differentiation Rules of Change
2/4/2016	Thursday	2.3	Product and Quotient Rules and Higher-Order Derivatives
2/8/2016	Monday	Quiz/Study Groups	
2/9/2016	Tuesday	2.3	Product and Quotient Rules and Higher-Order Derivatives
2/10/2016	Wednesday	2.4	The Chain Rule
2/11/2016	Thursday	2.4	The Chain Rule
2/15/2016	Monday	Quiz/Study Groups	
2/16/2016	Tuesday	2.5	Implicit Differentiation
2/17/2016	Wednesday	No Class	University will be closed
2/18/2016	Thursday	Exam 1	
26-Feb	Test Out Exam	Library 204A	Online Testing

Material for Exam 2: Section 2.6 and Chapter 3			
Date	Day		
2/22/2016	Monday	2.6	Related Rates
2/23/2016	Tuesday	2.6	Related Rates
2/24/2016	Wednesday	3.1	Extrema on an Interval
2/25/2016	Thursday	3.2	Rolle's Theorem and the Mean Value Theorem
2/26/2016	Friday	Exam 1 Retake	

2/29/2016	Monday	Quiz/Study Groups	
3/1/2016	Tuesday	3.2	Rolle's Theorem and the Mean Value Theorem
3/2/2016	Wednesday	3.3	Increasing and Decreasing Functions & First Derivative Test
3/3/2016	Thursday	3.4	Concavity and the Second Derivative Test
3/7/2016	3/11/2016	No Classes	Spring Break
3/14/2016	Monday	Quiz/Study Groups	
3/15/2016	Tuesday	3.5	Limits at Infinity
3/16/2016	Wednesday	3.6	A summary of Curve Sketching
3/17/2016	Thursday	3.7	Optimization Problems
3/21/2016	Monday	Quiz/Study Groups	
3/22/2016	Tuesday	3.7	Optimization Problems
3/23/2016	Wednesday	3.8	Newton's Method
3/24/2016	Thursday	Review	
3/28/2016	Monday	Exam 2	
3/29/2016	Tuesday	4.1	Antiderivatives and Indefinite Integration
3/30/2016	Wednesday	4.2	Area
3/31/2016	Thursday	4.3 - Return Exam 2	Riemann Sums and Definite Integrals
4/1/2016	Retake Exam Library 204A Online Testing	Library	Drop Date

Material for Exam 3: Chapter 4 and 5			
Date	Day		
4/4/2016	Monday	Quiz/Study Groups	Drop Date
4/5/2016	Tuesday	4.3	Riemann Sums and Definite Integrals
4/6/2016	Wednesday	4.4	The Fundamental Theorem of Calculus
4/7/2016	Thursday	4.5	Integration by Substitution
4/11/2016	Monday	Quiz/Study Groups	
4/12/2016	Tuesday	4.6	Numerical Integration
4/13/2016	Wednesday	5.1	The Natural Logarithmic Function: Differentiation
4/14/2016	Thursday	5.2	The Natural Logarithmic Function: Integration
4/18/2016	Monday	Quiz/Study Groups	
4/19/2016	Tuesday	5.3	Inverse Functions
4/20/2016	Wednesday	5.4	Exponential Functions: Differentiation and Integration
4/21/2016	Thursday	5.4	Exponential Functions: Differentiation and Integration
4/25/2016	Monday	Quiz/Study Groups	
4/26/2016	Tuesday	5.5	Bases other than e and Applications
4/27/2016	Wednesday	5.6	Inverse Trigonometric Functions: Differentiation
4/28/2016	Thursday	5.7	Inverse Trigonometric Functions: Integration
5/2/2016	Monday	Quiz/Study Groups	
5/3/2016	Tuesday	5.8	Hyperbolic Functions

5/4/2016	Wednesday	Exam 3	
5/5/2016	Thursday	REVIEW	
5/6/2016	Friday	REVIEW & Return Exam 3	
Final Exam Schedule			
Date of final exam	Time your class meets on Mondays	Final exam day and time	
5/12/2016	7:30 AM	Thursday 7:00AM - 9:45AM in your regular classroom	
5/9/2016	8:30 AM	Monday 10:00AM - 12:45PM in your regular classroom	
5/12/2016	10:30 AM	Thursday 10:00AM - 12:45PM in your regular classroom	
5/10/2016	12:30 PM	Tuesday 1:00PM - 3:45PM in your regular classroom	
5/11/2016	1:30 PM	Wednesday 4:00PM - 6:45 PM in your regular classroom	
Evening classes following the final Exam Schedule in the course catalog.			
12-May	Retake Exam 3	Library 204A	Online Testing