

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: 8:30 am - 9:20 am MW Liberal Arts Building 305
8:00 am - 8:50 am TR Liberal Arts Building 203
Prerequisite Courses: Math 1508 with a grade of at least C or appropriate placement scores.

Instructor: Desmond Koomson
Office Location: Bell Hall 215
Contact Info: NA__
E-mail address: dkoomson@utep.edu
Emergency Contact: 915-747-5761 (math dept office)

Office Hrs: **Wed, 12:30 pm - 3:00 pm / TR, 10:30 am - 11:30 am**

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)
WebAssign Class Key: Required: **utep 5328 3831** (WebAssign class key)

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.

Student Resources:

WebAssign Student Registration and Login
<https://play.vidyard.com/WuQeps5jUErLbnEzRzJEDy>

[WebAssign Student Getting Started Link](#)

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 Calculus, Dr. Julian Viera.).

Grading Policy: Your grade will be calculated as follows:

WebAssign	10%	
Quizzes	15%	
Exam 1	15%	Thurs, 27th Sept
Exam 2	15%	Tues, 30th Oct
Exam 3	15%	Wed, 5th Dec
Comprehensive Final	30%	Mon, Dec 10th 10:00AM - 12:45PM

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.)
November 22-23: Thanksgiving Holiday**

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 up to 2.5

Date	Day	Sections	Description
8/27/2018	Monday	Syllabus	
8/28/2018	Tuesday	1.1	A Preview of Calculus
8/29/2018	Wednesday	1.2	Finding Limits Graphically and Numerically
8/30/2018	Thursday	1.3	Evaluating Limits Analytically
9/3/2018	Monday	University Closed	Labor Day
9/4/2018	Tuesday	1.3	Evaluating Limits Analytically
9/5/2018	Wednesday	1.4	Continuity and One-Sided Limits
9/6/2018	Thursday	1.5	Infinite Limits
9/10/2018	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
9/11/2018	Tuesday	2.1	The Derivative and the Tangent Line Problem
9/12/2018	Wednesday	2.2	Basic Differentiation Rules of Change
9/13/2018	Thursday	2.3	Product and Quotient Rules and Higher-Order Derivatives
9/17/2018	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
9/18/2018	Tuesday	2.4	The Chain Rule
9/19/2018	Wednesday	2.4	The Chain Rule
9/20/2018	Thursday	2.5	Implicit Differentiation
9/24/2018	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
9/25/2018	Tuesday	Review	
9/26/2018	Wednesday	2.6	Related Rates
9/27/2018	Thursday	Exam 1	Thurs, 27th Sept

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
10/1/2018	Monday	3.1	Extrema on an Interval
10/2/2018	Tuesday	3.2	Rolle's Theorem and the Mean Value Theorem
10/3/2018	Wednesday	3.2	Rolle's Theorem and the Mean Value Theorem
10/4/2018	Thursday	3.3	Increasing and Decreasing Functions & First Derivative Test

10/5/2018	Friday	Retake Exam 1	
10/8/2018	Monday	Quiz/Study Groups	<i>optional</i>
10/9/2018	Tuesday	3.3	Increasing and Decreasing Functions & First Derivative Test
10/10/2018	Wednesday	3.4	Concavity and the Second Derivative Test
10/11/2018	Thursday	3.4	Concavity and the Second Derivative Test
10/15/2018	Monday	Quiz/Study Groups	<i>optional</i>
10/16/2018	Tuesday	3.5	Limits at Infinity
10/17/2018	Wednesday	3.6	A summary of Curve Sketching
10/18/2018	Thursday	3.7	Optimization Problems
10/22/2018	Monday	Quiz/Study Groups	<i>optional</i>
10/23/2018	Tuesday	3.7	Optimization Problems
10/24/2018	Wednesday	3.8	Newton's Method
10/25/2018	Thursday	Review	
10/29/2018	Monday	Review	
10/30/2018	Tuesday	Exam 2	Tues, 30th Oct
10/31/2018	Wednesday	4.1 - 4.2	Antiderivatives and Indefinite Integration-Area
11/1/2018	Thursday	4.3	Riemann Sums and Definite Integrals
11/2/2018	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
11/5/2018	Monday	4.4	The Fundamental Theorem of Calculus

11/6/2018	Tuesday	4.5	Integration by Substitution
11/7/2018	Wednesday	4.5	Integration by Substitution
11/8/2018	Thursday	4.6	Numerical Integration
11/9/2018	Friday	Retake Exam 2	
11/12/2018	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
11/13/2018	Tuesday	5.1	The Natural Logarithmic Function: Differentiation
11/14/2018	Wednesday	5.2	The Natural Logarithmic Function: Integration
11/15/2018	Thursday	5.3	Inverse Functions
11/19/2018	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
11/20/2018	Tuesday	5.4	Exponential Functions: Differentiation and Integration
11/21/2018	Wednesday	5.5	Bases Other than e and Applications
11/22/2018	Thursday	No classes	Thanksgiving
11/26/2018	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
11/27/2018	Tuesday	5.6	Inverse Trigonometric Functions: Differentiation
11/28/2018	Wednesday	5.7	Inverse Trigonometric Functions: Integration
11/29/2018	Thursday	5.8	Hyperbolic Functions
12/3/2018	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
12/4/2018	Tuesday	Review	
12/5/2018	Wednesday	Exam 3	Wed, 5th Dec
12/6/2018	Thursday	Return Exam	
12/7/2018		No classes	Dead day
Evening classes following the final Exam Schedule on www.utep.edu			
Dec. 13	Exam 3 retakes	Library 204A	Online Testing