


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

Course #: M1411
Course Title: Calculus I
Credit Hrs: 4
Term: Fall 2015
Course Meetings & Location: MW(12:30-1:20) Cotton Memorial building 207& TR (12:00-12:50) Education Building 303
Prerequisite Courses: Math 1508 with a grade of at least C or appropriate placement scores.

Instructor: Nada Al-Hanna
Office Location: Bell Hall 305
Contact Info: 747-8898
E-mail address: nfalhanna@utep.edu
Emergency Contact:nfalhanna@utep.edu
Office Hours: TR (10:30-11:30 & 1:30-2:30) or by appointment

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: Non-Graphing, Non-differentiating basic Scientific Calculator

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, , since WebAssign works best with this browser. Unannounced quizzes may be administered in the classroom.

Assessment of Course Objectives: There will be 3 exams and one comprehensive final. All exams, written by a committee, are administered in the classroom. **NO EXTRA CREDIT OR CURVES ON EXAMS. NO REPLACEMENT OF EXAM WITH FINAL EXAM GRADE. A Retake Exam, for improvement, will be administered in the library after exam 1, 2 and 3. The best grade will be recorded.** You must sign up online at <http://www.math.utep.edu/classes/retake/> to take the Retake exams at a specific time because seating is limited. Failure to sign up means that you may not take this optional exam. **If a student receives a grade of D or F, they may register for wintermester or take a comprehensive TestOut exam after wintermester. A grade of 70% or better on the comprehensive wintermester 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 Mr. Julian Viera.)**

Grading Policy: Your grade will be calculated as follows:

WebAssign	10%
In-Class 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 October 30, 2015.

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/>
 Instructor webpage: www.math.utep.edu/faculty/nfahanna

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

Course Schedule:

(Subject to change)

Material for Exam 1: Chapter 1 and Chapter 2 upto 2.5			
Date	Day	Sections	Description
8/24/2015	Monday	Syllabus	
8/25/2015	Tuesday	1.1	A Preview of Calculus
8/26/2015	Wednesday	1.2	Finding Limits Graphically and Numerically
8/27/2015	Thursday	1.3	Evaluating Limits Analytically
8/31/2015	Monday	Quiz/Study Groups	<i>optional</i>
9/1/2015	Tuesday	1.3	Evaluating Limits Analytically
9/2/2015	Wednesday	1.4	Continuity and One-Sided Limits
9/3/2015	Thursday	1.5	Infinite Limits
9/7/2015	Monday	No classes	Labor Day
9/8/2015	Tuesday	2.1	The Derivative and the Tangent Line Problem
9/9/2015	Wednesday	2.2	Basic Differentiation Rules of Change
9/10/2015	Thursday	2.3	Product and Quotient Rules and Higher-Order Derivatives
9/14/2015	Monday	Quiz/Study Groups	<i>optional</i>
9/15/2015	Tuesday	2.4	The Chain Rule
9/16/2015	Wednesday	2.4	The Chain Rule
9/17/2015	Thursday	2.5	Implicit Differentiation
9/21/2015	Monday	Quiz/Study Groups	<i>optional</i>
9/22/2015	Tuesday	Review	
9/23/2015	Wednesday	Exam 1	

9/24/2015	Thursday	2.6	Related Rates
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Oct. 2 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
9/28/2015	Monday	3.1	Extrema on an Interval
9/29/2015	Tuesday	3.2	Rolle's Theorem and the Mean Value Theorem
9/30/2015	Wednesday	3.2	Rolle's Theorem and the Mean Value Theorem
10/1/2015	Thursday	3.3	Increasing and Decreasing Functions & First Derivative Test
10/2/2015	Friday	Retake Exam 1	
10/5/2015	Monday	Quiz/Study Groups	optional
10/6/2015	Tuesday	3.3	Increasing and Decreasing Functions & First Derivative Test
10/7/2015	Wednesday	3.4	Concavity and the Second Derivative Test
10/8/2015	Thursday	3.4	Concavity and the Second Derivative Test
10/12/2015	Monday	Quiz/Study Groups	optional
10/13/2015	Tuesday	3.5	Limits at Infinity
10/14/2015	Wednesday	3.6	A summary of Curve Sketching
10/15/2015	Thursday	3.7	Optimization Problems
10/19/2015	Monday	Quiz/Study Groups	optional
10/20/2015	Tuesday	3.7	Optimization Problems
10/21/2015	Wednesday	3.8	Newton's Method
10/22/2015	Thursday	Review	
10/26/2015	Monday	Exam 2	
10/27/2015	Tuesday	4.1	Antiderivatives and Indefinite Integration
10/28/2015	Wednesday	4.2	Area

10/29/2015	Thursday	4.3	Riemann Sums and Definite Integrals
10/30/2015	Friday	Course Drop Deadline	Students must have grade from Exam 2 in order to drop
Nov. 6	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
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Date	Day	Sections	Description
11/2/2015	Monday	4.4	The Fundamental Theorem of Calculus
11/3/2015	Tuesday	4.5	Integration by Substitution
11/4/2015	Wednesday	4.5	Integration by Substitution
11/5/2015	Thursday	4.6	Numerical Integration
11/6/2015	Friday	Retake Exam 2	
11/9/2015	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
11/10/2015	Tuesday	5.1	The Natural Logarithmic Function: Differentiation
11/11/2015	Wednesday	5.2	The Natural Logarithmic Function: Integration
11/12/2015	Thursday	5.3	Inverse Functions
11/16/2015	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
11/17/2015	Tuesday	5.4	Exponential Functions: Differentiation and Integration
11/18/2015	Wednesday	5.5	Bases Other than e and Applications
11/19/2015	Thursday	5.6	Inverse Trigonometric Functions: Differentiation
11/23/2015	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>
11/24/2015	Tuesday	5.7	Inverse Trigonometric Functions: Integration
11/25/2015	Wednesday	5.8	Hyperbolic Functions
11/26/2015	Thursday	No classes	Thanksgiving
11/30/2015	Monday	<i>Quiz/Study Groups</i>	<i>optional</i>

12/1/ 2015	Tuesday	Review	
12/2/ 2015	Wednesday	Exam 3	
12/3/ 2015	Thursday	Return Exam	
Evening classes following the final Exam Schedule on www.utep.edu			
Dec. 10	Exam 3 retakes	Library 204A	Online Testing
Classes meet	Day of final exam	Date of final exam	Time of Final exam
MW 8:30 - 9:20 & TR 8:00 - 9:00	Monday	12/7/2015	10:00AM - 12:45PM in regular Monday classroom
MW 12:30 - 1:20 & TR 12:00 - 12:50	Tuesday	12/8/2015	1:00PM - 3:45PM in regular Tuesday classroom
MW 9:30 - 10:50 & F 9:30 - 10:20	Wednesday	12/9/2015	10:00AM - 12:45PM in regular Wednesday classroom
MTW R 1:30P M - 2:50P M	Wednesday	12/9/2015	4:00PM - 6:45PM in regular Wednesday classroom
MTW R 10:30 - 11:20	Thursday	12/10/2015	10:00AM - 12:45PM in regular Thursday classroom