

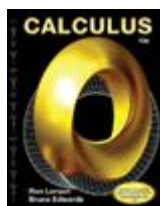
**THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATH**

Course #: M1411/ CRN 26947
Course Title: Calculus I
Credit Hrs: 4
Term: Spring 2015
Course Meetings & Location: MTWR (10:30-11:20) LART 103
Prerequisite Courses: Math 1508 with a grade of at least C or appropriate placement scores.

Instructor: Nada Al-Hanna
Office Location: Bell Hall 119
Contact Info: 747-8898
E-mail address: nfalhanna@utep.edu
Emergency Contact: nfalhanna@utep.edu
Office Hrs: MTWR (11:30-12:30) or by appointment.

Textbook(s), Materials: Required: Calculus by Larson, 10th Edition (available as e-book and hardcover)
WebAssign Code – May be purchased with e-book online at <http://webassign.net/> . We recommend purchasing one of the Lifetime of Edition option.

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




Calculus - 10e by Larson and Edwards – **Prices may vary**

- [Lifetime of Edition](#) Access to eBook and Homework **BEST VALUE!** \$110.00
- Single-term Access to eBook and Homework \$75.00

Calculus microsite: \$65.00
<http://www.cengagebrain.com/shop/en/US/storefront/US?cmd=CLHeaderSearch&fieldValue=9781285858494>

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. These are departmental exams and to be taken in class during the assigned date as found on the calendar. 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://mathe.utep.edu/classes/retake>.

Each room has 35 seats, when the class is full you will not be allowed to register for that test time. Failure to register means that you may not take this optional exam.

A comprehensive test out exam will be administered after Maymester. A passing grade (70% or greater) on the comprehensive test out exam will replace a failing course grade with a maximum grade of C.

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 **April 6, 2015**. 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: Tentative

Material for Exam 1: Chapter 1 and Chapter 2 upto 2.5			
Date	Day		
1/19/2015	Monday	MLK day - No Classes	
1/20/2015	Tuesday	Syllabus	
1/21/2015	Wednesday	1.1	A Preview of Calculus
1/22/2015	Thursday	1.2	Finding Limits Graphically and Numerically
1/26/2015	Monday	Quiz/Study Groups	
1/27/2015	Tuesday	1.2	Finding Limits Graphically and Numerically
1/28/2015	Wednesday	1.3	Evaluating Limits Analytically
1/29/2015	Thursday	1.4	Continuity and One-Sided Limits
2/2/2015	Monday	Quiz/Study Groups	
2/3/2015	Tuesday	1.5	Infinite Limits
2/4/2015	Wednesday	2.1	The Derivative and the Tangent Line Problem
2/5/2015	Thursday	2.2	Basic Differentiation Rules of Change
2/9/2015	Monday	Quiz/Study Groups	
2/10/2015	Tuesday	2.3	Product and Quotient Rules and Higher-Order Derivatives
2/11/2015	Wednesday	2.3	Product and Quotient Rules and Higher-Order Derivatives
2/12/2015	Thursday	2.4	The Chain Rule

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2/16/2015	Monday	Quiz/Study Groups	
2/17/2015	Tuesday	2.4	The Chain Rule
2/18/2015	Wednesday	2.5	Implicit Differentiation
2/19/2015	Thursday	Exam 1	
Feb. 27	Test Out Exam	Library 204A	Online Testing

Material for Exam 2: Section 2.6 and Chapter 3			
Date	Day		
2/23/2015	Monday	2.6	Related Rates
2/24/2015	Tuesday	2.6	Related Rates
2/25/2015	Wednesday	3.1	Extrema on an Interval
2/26/2015	Thursday	3.2	Rolle's Theorem and the Mean Value Theorem
2/27/2015	Friday	Exam 1 Retake	
3/2/2015	Monday	Quiz/Study Groups	
3/3/2015	Tuesday	3.3	Increasing and Decreasing Functions & First Derivative Test
3/4/2015	Wednesday	3.4	Concavity and the Second Derivative Test
3/5/2015	Thursday	3.5	Limits at Infinity
3/9/2015	3/13/2015	No Classes	Spring Break
3/16/2015	Monday	Quiz/Study Groups	
3/17/2015	Tuesday	3.6	A summary of Curve Sketching
3/18/2015	Wednesday	3.7	Optimization Problems
3/19/2015	Thursday	3.7	Optimization Problems
3/23/2015	Monday	Quiz/Study Groups	
3/24/2015	Tuesday	3.8	Newton's Method
3/25/2015	Wednesday	4.1	Antiderivatives and Indefinite Integration
3/26/2015	Thursday	Review	
3/30/2015	Monday	Exam 2	
3/31/2015	Tuesday	No classes	
4/1/2015	Wednesday	4.2	Antiderivatives and Indefinite Integration
4/2/2015	Thursday	4.3 - Return Exam 2	Riemann Sums and Definite Integrals
Apr. 10	Retake Exam	Library 204A	Online Testing

Material for Exam 3: Chapter 4 and 5			
Date	Day		
4/6/2015	Monday	Quiz/Study Groups	Drop Date
4/7/2015	Tuesday	4.3	Riemann Sums and Definite Integrals - not on exam 2
4/8/2015	Wednesday	4.4	The Fundamental Theorem of Calculus
4/9/2015	Thursday	4.5	Integration by Substitution
4/10/2015	Friday	Exam 2 Retake	
4/13/2015	Monday	Quiz/Study Groups	
4/14/2015	Tuesday	4.6	Numerical Integration
4/15/2015	Wednesday	5.1	The Natural Logarithmic Function: Differentiation
4/16/2015	Thursday	5.2	The Natural Logarithmic Function: Integration
4/20/2015	Monday	Quiz/Study Groups	
4/21/2015	Tuesday	5.3	Inverse Functions
4/22/2015	Wednesday	5.4	Exponential Functions: Differentiation and Integration
4/23/2015	Thursday	5.4	Exponential Functions: Differentiation and Integration
4/27/2015	Monday	Quiz/Study Groups	
4/28/2015	Tuesday	5.5	Bases other than e and Applications
4/29/2015	Wednesday	5.6	Inverse Trigonometric Functions: Differentiation
4/30/2015	Thursday	5.7	Inverse Trigonometric Functions: Integration
5/4/2015	Monday	Quiz/Study Groups	
5/5/2015	Tuesday	5.8	Hyperbolic Functions
5/6/2015	Wednesday	Exam 3	
5/7/2015	Thursday	REVIEW	
5/8/2015	Friday	No Classes - Dead Day	
5/11/2015	Monday	8:30 Classes: 10:00AM - 12:45PM in your regular classroom	
5/12/2015	Tuesday	12:00 Classes: 1:00PM - 3:45PM in your regular classroom	
5/13/2015	Wednesday	1:30 Classes: 4:00PM - 6:45 PM in your regular classroom	
5/14/2015	Thursday	10:30 Classes: 10:00AM - 12:45PM in your regular classroom	
Evening classes following the final Exam Schedule in the course catalog.			
14-May	Retake Exam 3	Library 204A	Online Testing