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

Course #:	M1508 -Section 100, CRN 24517_
Course Title:	Pre-Calculus
Credit Hrs:	5
Term:	Spring 2016
Course Meetings & Location:	M 10:30-11:20, LART 106; T, R 10:30-11:50 LART 304; F 11:30 – 1:20 BUSN 323
Prerequisite Courses:	M0311 or TSI score between 350 – 390 or placement by previous Accuplacer scores.
Instructor:	Dr. Louise Guthrie
Office Location:	317 Bell Hall
Contact Info:	747-8908 Contact Info: E-mail address lguthrie@utep.edu Emergency Contact _747-6755
Office Hrs:	Tuesday 3-4, Thursday 3-5 or by appointment

Textbook(s), Materials:	Required:	Pre-Calculus by Larson, 9th Edition (available as e-book and hardcover)
	Suggested:	Laptop computer Graphical Calculator

Course Objectives (Learning Outcomes): Students are expected to have a clear understanding of the ideas of Precalculus as a solid foundation for subsequent courses in mathematics and other disciplines as well as for direct application to real life situations.

The content of the entire course covers topics from basic mathematics and develop them using practical and theoretical tools, building applications and making a strong support for Calculus classes.

A student passing MATH1508 Precalculus course will be able to work with the concepts of functions (functions in general, exponential and logarithmic functions, polynomial and rational functions, trigonometric functions, etc), to solve a system of linear and non-linear equations and inequalities, to make basic operations with matrices, to apply mathematical induction method, to work with trigonometric functions and their properties, and to apply them in problems related to other branches of Science: Calculus, Algebra, Physics, Chemistry, Biology, Pharmacy, Engineering, Statistics, etc.

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. Students may have 20 – 30 minute reading assignments due on WebAssign the day of each lecture.

Assessment of Course Objectives:

There will be 3 exams. These are departmental exams and are to be taken in the classroom on the assigned dates found in the calendar. A WebAssign Retake Exam is administered in the library after each exam.

To register for a retake exam go to **http://www.math.utep.edu/classes/testout.php**. 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 assignments	10%
Quizzes	10%
Workshop attendance grade	05%

13	100
11-12	90
9-10	80
8	70
< 7	0 - drop

Exam 1	25%
Exam 2	25%
Exam 3	25%

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 and attend all lectures and workshops. Attendance will be taken. A student will be dropped if he/she misses 3 lectures or 4 workshop sessions. Students are to arrive to class on time. It is the student's responsibility to make up missed assignments as determined by their instructor.
Civility Statement:	Please turn off cell phones when you enter classroom 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 Pre-Calculus:

Visit our website and read the course information thoroughly at http://www.math.utep.edu/classes/precalculus/ . All workshop materials will be posted on the website.

Find us on facebook for information and News,

See the following pagehttp://www.facebook.com/pages/UTEP-PreCalculusCalculus/180583381999326s

Course Schedule :

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Material for Exam 1 : chapter 1 and chapter 2 up to 2.5			
Date	**Day**	**Sections**	**Description**
1/18/16	Monday	No Classes	
1/19/16	Tuesday	Syllabus/1.1	Rectangular Coordinates
1/21/16	Thursday	1.1 - 1.2	Rectangular Coordinates/Graphs of Equations
1/25/16	Monday	1.3 - 1.4	Linear Equations in Two Variables/Functions
1/26/16	Tuesday	1.4 - 1.5	Functions/Analyzing Graphs of Functions
1/28/16	Thursday	1.6 - 1.7	Library of Parent Functions/Transformations of Functions
2/1/16	Monday	1.7	Transformations of Functions
2/2/16	Tuesday	1.8	Combinations of Functions
2/4/16	Thursday	1.9	Inverse Functions
2/8/16	Monday	2.1	Quadratic functions and Models
2/9/16	Tuesday	2.3 - 2.4	Polynomials and Synthetic Division/Complex Numbers
2/11/16	Thursday	2.4	Complex Numbers
2/15/16	Monday	2.5	Zeros of Polynomial Functions
2/16/16	Tuesday	Review (13 sections)	
2/18/16	Thursday	**Exam 1**	
26-Feb	**Exam1 Retakes**	**Library 204A or B**	**Online Testing**

Material for Exam 2: Section 2.6; Chapter 3; 7.1 - 7.4 and 8.1 - 8.3			
Date	**Day**	**Sections**	**Description**
2/22/16	Monday	2.6	Rational Functions/Exponential Functions and Their Graphs
2/23/16	Tuesday	3.1	Exponential Functions and Their Graphs
2/25/16	Thursday	3.2 - 3.3	Properties of Logarithms/Logarithmic Functions and their Graphs
2/26/16	Friday	Exam 1 Retake	
2/29/16	Monday	3.4	Exponential and Logarithmic Equations
3/1/16	Tuesday	3.5	Exponential and Logarithmic Models
3/3/16	Thursday	7.1	Linear and Nonlinear Systems of Equations
3/7/16	3/11/16	No Classes	Spring Break
3/14/16	Monday	7.2	Two-Var Linear Systems
3/15/16	Tuesday	7.3	Multivariable Linear Systems
3/17/16	Thursday	7.4	Partial Fractions
3/21/16	Monday	8.1	Matrices and Systems of Equations
3/22/16	Tuesday	8.2	Operations with Matrices
3/24/16	Thursday	8.3	The Inverse of a Square Matrix
3/25/16	Friday	No classes	
3/28/16	Monday	Review	
3/29/16	Tuesday	**Exam 2**	**April 1 is course drop date**
3/31/16	Thursday	4.1	Radian and Degree Measure/ **RETURN GRADED EXAM 2**
4/1/16	**Friday**	**Exam 2 Retake**	**Drop Date**
2-Apr	**Exam2 Retake**	**Library 204A or B**	**Online Testing**

Material for Exam 3: chapter 4 and chapter 5, with 6.1 and 6.2

Date	Day	Sections	Description
4/4/16	Monday	4.2	Trig Functions: The unit Circle
4/5/16	Tuesday	4.3	Right Triangle Trigonometry
4/7/16	Thursday	4.4	Trigonometric functions of any Angle
4/11/16	Monday	4.5	Graphs of Sine and Cosine
4/12/16	Tuesday	4.6	Graphs of Other Trig functions
4/14/16	Thursday	4.7 - 4.8	Inverse Trigonometric functions/Applications and Models
4/18/16	Monday	5.1	Using fundamental Identities
4/19/16	Tuesday	5.2	Verifying Trigonometric Identities
4/21/16	Thursday	5.3	Solving Trigonometric Equations
4/25/16	Monday	5.3	Solving Trigonometric Equations
4/26/16	Tuesday	5.4 - 5.5	Sum and Difference Formulas
4/28/20106	Thursday	6.1	Law of sines
5/2/16	Monday	6.1 - 6.2	Law of Sines/Law of Cosines
5/3/16	Tuesday	Review (15 sections)	
5/5/16	Thursday	**Exam 3**	
5/6/16	Friday	Dead Day	No workshop
5/9 - 5/13	**Instructors will schedule a day during finals week to meet with students to return exam 3**		
5/12/16	**Exam 3 Retake**	**Library 204A or B**	**Online Testing**