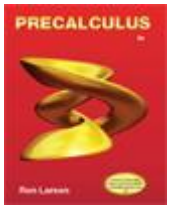
THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATH

Course #:	M1508 (CRN: 23705)
Course Title:	Pre-Calculus
Credit Hrs:	5
Term:	Spring 2015
Course Meetings & Location:	(*Lecture*) M 1:30 - 2:20PM Cotton Memorial 207, TR 1:30 – 2:50PM Liberal Arts 101 (*Workshop*) F 1:30 – 3:20 PM College of Business 323
Prerequisite Courses:	M0311 or TSI score between 350 – 390 or placement by previous Accuplacer scores.

Instructor:	Jaime P. Lepe
Office Location:	Burges 303
Contact Info:	747- E-mail address jplepe@utep.edu Emergency Contact
Office Hrs:	TTH 3:00 – 4:30 PM or by appointment

Textbook(s), Materials:	Required:	Pre-Calculus by Larson, 9th Edition (available as e-book and hardcover) WebAssign Code – May be purchased online with e-text at http://webassign.net/ . We recommend purchasing one of the Lifetime of Edition option.
	Suggested:	Laptop computer Graphical Calculator



Precalculus - 9e by Larson Prices may vary

Lifetime of Edition Access to eBook and Homework (price reflects a **$7.00 discount** for purchasing these items together now)	$75.00
MATH 1508 PRECALC: http://www.cengagebrain.com/shop/en/US/storefront/US?cmd=CLHeaderSearch&fieldValue=9781285858319	$65.00

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,  , since WebAssign works best with this browser. 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 date found in the calendar. NO EXTRA CREDIT OR CURVES ON EXAMS. 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**. 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. If a student receives a grade of D or F, they may register for Maymester or take a comprehensive TestOut exam 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 assignments	10%
In Class Quizzes	10%
Workshops	05%
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 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 and attend all lectures and workshops. Attendance will be taken. **A student may 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 class and participate in class, active participation in this class is a vital part of your success.

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.*

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.
Webpage's for PreCalculus:	Visit our website and read the course information thoroughly at http://www.math.utep.edu/classes/precalculus/ or find us on Facebook for information and News, http://www.facebook.com/pages/UTEP-PreCalculusCalculus/180583381999326

Course Schedule (Spring 2015)

Material for Exam 1 : chapter 1 and chapter 2 up to 2.5			
Date	**Day**	**Sections**	**Description**
1/19/2015	Monday	No Classes	
1/20/2015	Tuesday	Syllabus/1.1	Rectangular Coordinates
1/22/2015	Thursday	1.1 - 1.2	Rectangular Coordinates/Graphs of Equations
1/26/2015	Monday	1.3 - 1.4	Linear Equations in Two Variables/Functions
1/27/2015	Tuesday	1.4 - 1.5	Functions/Analyzing Graphs of Functions
1/29/2015	Thursday	1.6 - 1.7	Library of Parent Functions/Transformations of Functions
2/2/2015	Monday	1.7	Transformations of Functions
2/3/2015	Tuesday	1.8	Combinations of Functions
2/5/2015	Thursday	1.9	Inverse Functions
2/9/2015	Monday	2.1	Quadratic functions and Models
2/10/2015	Tuesday	2.3 - 2.4	Polynomials and Synthetic Division/Complex Numbers
2/12/2015	Thursday	2.4	Complex Numbers
2/16/2015	Monday	2.5	Zeros of Polynomial Functions
2/17/2015	Tuesday	Review (13 sections)	
2/19/2015	Thursday	**Exam 1**	
Feb. 27	**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**
2/23/2015	Monday	2.6	Rational Functions/Exponential Functions and Their Graphs
2/24/2015	Tuesday	3.1	Exponential Functions and Their Graphs
2/26/2015	Thursday	3.2 - 3.3	Properties of Logarithms/Logarithmic Functions and their Graphs
2/27/2015	Friday	Exam 1 Retake	
3/2/2015	Monday	3.4	Exponential and Logarithmic Equations
3/3/2015	Tuesday	3.5	Exponential and Logarithmic Models
3/5/2015	Thursday	7.1	Linear and Nonlinear Systems of Equations
3/9/2015	3/13/2015	No Classes	Spring Break
3/16/2015	Monday	7.2	Two-Var Linear Systems
3/17/2015	Tuesday	7.3	Multivariable Linear Systems
3/19/2015	Thursday	7.4	Partial Fractions
3/23/2015	Monday	8.1	Matrices and Systems of Equations
3/24/2015	Tuesday	8.2	Operations with Matrices
3/26/2015	Thursday	8.3	The Inverse of a Square Matrix

3/30/2015	Monday	**Exam 2**	**April 6 is course drop date**
3/31/2015	Tuesday	No classes	
4/2/2015	Thursday	4.1	Radian and Degree Measure/ **RETURN GRADED EXAM 2**
4/3/2015	Friday	No classes	
Apr. 10	**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
4/6/2015	Monday	4.2	Trig Functions: The unit Circle/ **COURSE DROP DEADLINE**
4/7/2015	Tuesday	4.3	Right Triangle Trigonometry
4/9/2015	Thursday	4.4	Trigonometric functions of any Angle
4/10/2015	Friday	Exam 2 Retake	
4/13/2015	Monday	4.5	Graphs of Sine and Cosine
4/14/2015	Tuesday	4.6	Graphs of Other Trig functions
4/16/2015	Thursday	4.7 - 4.8	Inverse Trigonometric functions/Applications and Models
4/20/2015	Monday	5.1	Using fundamental Identities
4/21/2015	Tuesday	5.2	Verifying Trigonometric Identities
4/23/2015	Thursday	5.3	Solving Trigonometric Equations
4/27/2015	Monday	5.3	Solving Trigonometric Equations
4/28/2015	Tuesday	5.4 - 5.5	Sum and Difference Formulas
4/30/2015	Thursday	5.5	Multiple Angle and Product-to-Sum Formulas
5/4/2015	Monday	6.1 - 6.2	Law of Sines/Law of Cosines
5/5/2015	Tuesday	Review (15 sections)	
5/6/2015	Thursday	**Exam 3**	
5/7/2015	Friday	No Lab - Dead Day	
5/11-5/14	**Instructors will schedule a day during finals week to meet with students to return exam 3**		
5/14/2015	**Exam 3 Retake**	**Library 204A or B**	**Online Testing**