


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

Course #: 1508
Course Title: Modular Pre-Calculus
CRN: 14762, 14763 & 14764
Credit Hrs: 5
Term: Fall 2009
Course Meetings & Location: M 12:30PM and TR 12:00PM
Lab: WF 12:30PM or 1:30PM or 2:30PM
LART 205
Prerequisite Courses: M0311 or placement by Accuplacer
Course Fee: (if applicable) N/A
Instructor: Francisco Avila
Office Location: Classroom Building 404C
Contact Info: 747-8908
favila2@utep.edu
Office Hrs: TR 4:00 – 5:00PM and WF 12:30 - 1:30PM (or by appointment)
Textbook(s), Materials: Required: ***PreCalculus***, Seventh Edition by Ron Larson and Robert Hostetler, Houghton Mifflin Company.
WebAssign: Students will use WebAssign for homework. The access code is part of the cost of a **new** textbook at the UTEP bookstore. Enhanced WebAssign (EWA) Pricing via www.webassign.net is \$35 with credit card for Enhanced content for the life of the edition.

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 in problems related to other branches of Science: Calculus, Algebra, Physics, Chemistry, Biology, Pharmacy, Engineering, Statistics, etc.

- Course Activities/Assignments: You will find all homework on WebAssign. Please try to use Mozilla Firefox, , since WebAssign works best with this browser. Your name will be uploaded by the instructor to your assigned class. Due dates for the will begin August 31.
- Assessment of Course Objectives: Homework/Lab attendance will count for 25% of your grade. There will be weekly quizzes that will count for 25% of your grade. Quizzes will be given every week. At the end of Time period 1, you will take an Exit Exam. You must attain a score of 60% or better on the Exit Exam. The Exit Exam will count for 50% of your overall grade.
- Grading Policy: Your grade for this Modular will be:
50% Exit Exam (**grade must be greater than or equal to 60%**)
25% Quiz Average
25% WebAssign Homework (15%) and Lab Attendance (10%)
(Lab Attendance is required.)
- 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. Homework is due on specified due dates no exceptions.
- Academic Integrity Policy: Cheating on a Test or Quiz must be dealt with in accordance with University regulations. This means automatic referral to and adjudication by the Dean of Students. During a Test or Quiz, you must present yourself in a manner that reflects an understanding of the traditional standards of academic honesty. You may not use notes, your text, or an unauthorized calculator, and you may not at any time speak to other students or refer to their papers.
- 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. If a cell phone goes off in class or if a distraction occurs because of texting in class, we will have an immediate quiz for credit.
- Disability Statement: If a student has or suspects he/she has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at <dss@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.
- 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.

Course Schedule:

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| Time Interval 1 | Math 1508 | Fall 2009 |
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| Date | Day | Module 1 | Module 2 | Module 3 |
|------------------------|---|-----------------|-----------------|-----------------|
| 8/24/2009 | Monday | Syllabus | 3.1 - 3.2 | 4.1 - 4.2 |
| 8/25/2009 | Tuesday | 1.1 - 1.2 | 3.3 | 4.2 - 4.3 |
| 8/27/2009 | Thursday | 1.3 - 1.4 | 3.4 | 4.4 |
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| 8/31/2009 | Monday | 1.5 | 3.5 | 4.5 - 4.6 |
| 9/1/2009 | Tuesday | 1.6 | 7.1 | 4.6 - 4.7 |
| 9/3/2009 | Thursday | 1.7 | 7.2 | 4.8 |
| | | | | |
| 9/7/2009 | Monday | No Class | Labor Day | No Class |
| 9/8/2009 | Tuesday | 1.8 | 7.3 | 5.1 - 5.2 |
| 9/10/2009 | Thursday | 1.9 | 7.4 | 5.2 - 5.3 |
| | | | | |
| 9/14/2009 | Monday | 2.1 | 8.1 | 5.4 |
| 9/15/2009 | Tuesday | 2.3 | 8.2 | 5.5, 6.1 |
| 9/17/2009 | Thursday | 2.4 - 2.5 | 8.3 | 6.1 - 6.2 |
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| 9/21/2009 | Monday | 2.5 - 2.6 | 8.3 | Exit Exam I |
| 9/22/2009 | Tuesday | Exit Exam | Exit Exam | Exit Exam 2 |
| 9/24/2009 | Thursday | Return Exams | Return Exams | Return Exams |
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| Sept. 25/26 | Test Out Exam Library 204B Library Hours Online Testing You must start your exam three hours before the Library closes. | | | |