

**THE UNIVERSITY OF TEXAS AT EL PASO**  
**COLLEGE OF SCIENCE**  
**DEPARTMENT OF MATHEMATICAL SCIENCES**

Course #: Math 2325, CRN 13270  
Course Title: Introduction to Higher Mathematics  
Credit Hrs: 3  
Term: Spring 2015  
Course Meetings & Location: MW 1:30 pm - 2:50 pm; Worr 205  
Prerequisite Courses: MATH 1411

Instructor: Julio César Urenda Castañeda  
Office Location: Library 504  
Contact Info: 747-7005  
E-mail address: jcurenda@utep.edu  
Office Hrs: MW 11:30 am – 1:00 pm or by appointment.  
Textbook(s), Materials: Required: Laboratories in Mathematical Exploration - A Bridge to Higher Mathematics, Mount Holyoke College. Springer-Verlag, 1997

Course Objectives  
(Learning Outcomes): We will go through the following labs, at a rate of two weeks per lab:  
◦Chapter 1 - Iterations of Linear Functions  
◦Chapter 2 - Cyclic Difference Sets  
◦Chapter 3 - Euclidean Algorithms  
◦Chapter 7 - Polyhedra  
◦Chapter 8 - p-adic Numbers  
◦Chapter 11 - Sequences and Series

Activities and  
Assignments: Students will be expected to attend lecture, read the book, practice the concepts by solving problems from the textbook assigned for homework. Study groups to discuss the problems and brainstorm approaches to problem solving are encouraged. However, the written assignments turned in for grading are to be your own work and reflect your individual effort.

Important Dates: **September 9th** - Class Census Day. If a student drops before the census date, neither the course nor a grade will appear on the student's academic record. This is the last day to drop without a W.  
**October 30th** - Course Drop Deadline  
**December 7th-11th** - Final Exam Week

**Grading Policy:** You will be graded on homework, attendance, in-class examinations, and the final exam. The course grade is based on:  
60% Midterm exams  
10% Homework  
30% Final exam

Letter grades are determined according to the following scale:  
A: 90-100    B: 80-89    C: 70-79    D: 60-69    F: <60

**Make-up Policy:** It is possible to have one make up for all tests and homework. It is not possible to make up the final exam.

**Attendance Policy:** As with every college course, attendance is essential for success. Even though there is no attendance policy, please try not to be absent unless absolutely necessary.

**Academic Integrity**

**Policy:** Violations of academic integrity, including unauthorized submission of work performed by others, will be pursued vigorously to result in the most severe sanctions. Please refer to UTEP's policy cited in <http://sa.utep.edu/osccr/academic-integrity/>

**Civility Statement:** No text messaging in class. Please silence cell phones before coming to class. Students are expected to actively participate in class discussions and group activities. Group work that is not completed in class is to be finished as homework, so use the class time wisely by staying focused on the class topic and avoiding chit-chat.

**Disability Statement:** If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact the Center for Accommodations and Support services (<http://sa.utep.edu/cass/>) located in Union East Room 106. The student is responsible for presenting to the instructor any CASS 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 are encouraged to contact your instructor as soon as possible.