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

Course Number: 1320, CRN 16191
Course Title: Mathematics for the Social Sciences I
Credit Hours: 3
Term: Fall 2016
Course Meeting Time: Monday and Wednesday from 3:00pm to 4:20pm
Prerequisite Courses: M0311 or TSI score between 350 – 390 or placement by previous
Accuplacer scores
Instructor: Dr. Rocio Gallardo
Office Location: Bell Hall 130E
Contact Info: 915-747-5703
E-mail: regallardo@utep.edu
Office Hours: Monday from 6:00 pm to 8:00 pm by appointment
Textbook, Materials: Finite Mathematics & Applied Calculus, Waner and Constenoble, 6th Edition.

Required Technology: MS Excel and a WebAssign account.

WebAssign: Go to the WebAssign website and follow these steps:

1) Under Username put your student ID number

2) Under Institution put UTEP

3) Under Password put your student ID number

4) Change your password: Click the tab that says "My Options".
Change your password to something other than your student ID
number, and remember it!

You will be given a two-week grace period during which you will be able
to log in without an access code. You will need to purchase an access
code to log in after this period. If you purchased a new book, the code
should have come with it.

Course Information: Math 1320 is a pre-calculus course for liberal arts, business and other non-
science majors. The topics covered include:
- Linear, quadratic, exponential, and logarithmic functions
- Systems of linear equations
- Matrix algebra
- The mathematics of finance
- The algebra of sets
- Probability

Students will learn mathematical concepts and methods used in
management, social science, and business. Students will develop the view
that mathematics is an evolving discipline that is interrelated with human
culture. Students will also understand the connections of mathematics to
other disciplines.

Assignments: **Before class, students must read the section that will be covered in
class.** There will be an in-class assignment every class period, which we

will work on during class time. You are encouraged to work in groups on these assignments. You don't need to turn these in; they are for your own benefit. In addition, homework assignments will be given at the start of each new chapter. There will be a quiz once or twice a week that will be either taken directly from the homework assignments or very similar to them so it is definitely to your advantage to attempt all the problems on the homework assignments on your own. The lowest two quiz scores will be dropped.

Assessment: Your overall grade will consist of the weighted average of your scores on three exams, homework quizzes, WebAssign homework, and the final exam. **If it benefits you, the score you receive on the final exam will replace your lowest exam score.**

Grading Policy: The usual grading scale will be used for this course (90%-100% is an A, 80%-89% is a B, etc.)

Three exams	45% (15% each)
WebAssign homework	15%
Quizzes	15%
Comprehensive final exam	25%
Total	100%

Make-up Policy: Make-up quizzes will only be given for students attending university sponsored events (such as student athletes traveling to meets), and only with prior notification and appropriate documentation. A make-up exam will only be given in extraordinary circumstances (severe illness, death in immediate family), and with appropriate documentation (e.g. doctor's note).

Attendance Policy: As with every college course, attendance is essential for success. Try not to be absent unless it is absolutely necessary. If possible, it is better to let me know ahead of time when you will be absent. If you are absent, it is your responsibility to find out which assignments you need to make up.

Academic Integrity: We will follow the university's policy in this course, as explained in the Handbook of Operating Procedures. You may find it here. You may be directed to change seats at any time during exams.

Civility: Please do not use cell phones, pagers, IPods, MP3 players, blue tooth devices, etc. during class. Cell phones and pagers should be set to silent or vibrate, and if you absolutely must answer your phone, calls should be taken outside of class. Please do not wear headsets or blue tooth devices during class. Please do not send text messages during class.

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.*

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 me as soon as possible.
Course Schedule:	See last page.
Technology:	A TI-83 or TI-84 (or similar) graphing calculator is recommended.
Drop Deadlines:	The last day to drop the course without a "W" is Wednesday, September 7th. The last day to drop the course with a "W" is Friday, October 28th. Students who decide to drop the course must process a drop form, in person, at the Registrar's Office, by October 28th. Please note that the College of Science will remain aligned with the University and **will not approve any drop requests after that date.**
Incompletes:	All grades of Incomplete must be accompanied by an Incomplete Contract that has been signed by the instructor of record, student, departmental chair, and the dean. Although UTEP will allow a maximum of one year to complete this contract, the College of Science requests it be limited to a month based upon completion data. A grade of Incomplete is only used in extraordinary circumstances confined to a limited event such as a missed exam, project, or lab. If the student has missed a significant amount of work (e.g. multiple assignments or tasks), a grade of Incomplete is not appropriate or warranted.
Tutoring:	Online tutorials can be found here. The Tutoring and Learning Center (TLC) offers free tutoring and is located in the campus library. There are several useful features of WebAssign designed to give extra help. There are numerous private tutors available. Please also make use of the instructor's office hours.
Websites:	WebAssign, www.webassign.net. UTEP Math 1320 website: http://www.math.utep.edu/classes/math1320/

(Subject to change)

Week	Dates	Sections Covered	Events
1	8/22 – 8/26	1.1 Functions from three viewpoints 1.2 Functions and Models	
2	8/29 – 9/2	1.3 Linear Functions and Models 1.4 Linear Regression	
3	9/5 – 9/9	9.1 Quadratic Functions & Models 9.2 Exponential Functions & Models	9/5 Labor Day
4	9/12 – 9/16	9.3 Logarithmic Functions & Models Exam #1 Review	
5	9/19 – 9/23	2.1 Simple Interest	**Exam 1 (9/21)**
6	9/26 – 9/30	2.2 Compound Interest 2.3 Annuities, Loans, and Bonds	
7	10/3 – 10/7	3.1 Systems of 2 Eqs./2 unknowns 3.2 Using Matrices to Solve Systems	
8	10/10-10/14	3.3 Applications of Systems of Eqns Exam #2 Review	
9	10/17 – 10/21	6.1 Sets and Set Operations	**Exam 2 (10/19)**
10	10/24 – 10/28	6.2 Cardinality 6.3 Decision Algorithms	**10/28 Course Drop Deadline**
11	10/31 – 11/4	6.4 Permutations & Combinations 7.1 Sample Spaces and Events	
12	11/7 – 11/11	7.2 Relative Frequency 7.3 Probability and Probability Models	
13	11/14 – 11/18	7.4 Prob. & Counting Techniques 7.5 Conditional Probability	
14	11/ 21– 11/25	Exam #3 Review	11/24-11/25 Thanksgiving Holiday
15	11/28 – 12/2	Final Exam Review	**Exam 3 (11/30)** 12/2 – Dead Day, no classes
16	12/5 – 12/9	**Final exam date (TBA)**	**Final exam week**