

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

Course Number:	1320, CRN 11732
Course Title:	Mathematics for the Social Sciences I
Credit Hours:	3
Term:	Fall 2015
Course Meeting Time:	None – course is entirely online
Prerequisite Courses:	M0311 or TSI score between 350 – 390 or placement by previous Accuplacer scores
Instructor:	Nada Al-Hanna
Office Location:	Bell Hall 305
Contact Info:	(915) 747-8898 E-mail: nfalhanna@utep.edu
Office Hours:	TR (10:30-11:30 & 1:30-2:30) or by appointment.
Textbook, Materials:	Finite Mathematics & Applied Calculus, Waner and Constenoble, 6 th Edition.
Required Technology:	MS Excel and a WebAssign account.

WebAssign: WebAssign is an online Course Management System of Cengage, the publisher of our text. You will use the instructions included in Blackboard to access and register for WebAssign. WebAssign has a 14 day free trial so that you may access your course work immediately. Important to know: For Assigned Readings and Practice Problems - you have unlimited submissions, you can save your work as you go without using a submission, you will have a 5% bonus if you submit your assignment 24 hours before the due date and you will have access to Tools such as read about it, watch it, master it and practice another version. For homework you will have 5 submissions, you will earn 5% for early submission BUT you will NOT have access to tools; likewise, for exams you will not have access to tools.

To log in: 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 from the UTEP bookstore, 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.

Daily Activities: Daily activities are: Assigned Readings, Practice Problems, Homework, and the Personal Study Plan. You will be responsible to access WebAssign to review the lessons in the e-text, watch all the videos, tutorials, and PowerPoints given in the daily activities, ask questions about the lessons and submit each assignment on time. All daily activities are due on Sunday night at 11:59PM of the week in which they are assigned.

Assessment: Your overall grade will consist of the weighted average of your scores on three exams, daily activities, 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	51% (17% each)
Daily activities	24%
<u>Comprehensive final exam</u>	<u>25%</u>
Total	100%

Make-up Policy: 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: This is an online course and as such you do not have any strict attendance guidelines. You are expected to work toward completion of the course assignments daily. There will be no set times that you must be on line, but lack of effort can and will get you dropped from the course.

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](#).

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 9th. The last day to drop the course with a "W" is Friday, October 30th. Students who decide to drop the course must process a drop form, in person, at the Registrar's Office, by October 30th. Please note that the College of Science will remain aligned with the University and **will not approve any drop requests after that date.**

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](#)
[UTEP Math 1320 website](#)
[Instructor website](#)

(Subject to change)

Week	Dates	Sections Covered	Events
1	8/23 – 8/29	1.1 Functions from three viewpoints 1.2 Functions and Models	
2	8/30 – 9/5	1.3 Linear Functions and Models 1.4 Linear Regression	
3	9/6 – 9/12	9.1 Quadratic Functions & Models 9.2 Exponential Functions & Models	9/7 Labor Day
4	9/13 – 9/19	9.3 Logarithmic Functions & Models Exam #1 Review	
5	9/20 – 9/26	2.1 Simple Interest	Exam 1 this week
6	9/27 – 10/3	2.2 Compound Interest 2.3 Annuities, Loans, and Bonds	
7	10/4 – 10/10	3.1 Systems of 2 Eqs./2 unknowns 3.2 Using Matrices to Solve Systems	
8	10/11-10/17	3.3 Applications of Systems of Eqns Exam #2 Review	
9	10/18 – 10/24	6.1 Sets and Set Operations	Exam 2 this week
10	10/25– 10/31	6.2 Cardinality 6.3 Decision Algorithms	10/30 Course Drop Deadline
11	11/1 – 11/7	6.4 Permutations & Combinations 7.1 Sample Spaces and Events	
12	11/8 – 11/14	7.2 Relative Frequency 7.3 Probability and Probability Models	
13	11/15 – 11/21	7.4 Prob. & Counting Techniques 7.5 Conditional Probability	
14	11/22 – 11/28	Exam #3 Review 7.6 Bayes' Theorem (optional)	11/26-11/27 Thanksgiving Holiday
15	11/29 – 12/5	Final Exam Review	Exam 3 this week 12/4 – Dead Day
16	12/6– 12/12	Final exam due date 12/11	Final exam week