

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

**Course Number:** 1320, CRN 17066

**Course Title:** Mathematics for the Social Sciences I

**Credit Hours:** 3

**Term:** Fall 2015

**Course Meeting Time:** 18:00 - 19:20

**Prerequisite Courses:** Placement examination or MATH 0311 or TSI score between 350-390

**Instructor:** Talamantes, C

**Office Location:** TBA

**Contact Info:** E-mail: [cltalamantes@](mailto:cltalamantes@utep.edu)

**Office Hours:** In classroom after class

**Textbook, Materials:** Finite Mathematics & Applied Calculus, Waner and Constenoble, 6<sup>th</sup> Edition.

**Required Technology:** Graphing calculator TI-84

**WebAssign:** (Instructor will explain about this)  
Go to the WebAssign [website](#) and follow these steps:

- 1) Under Username put your 800 number
- 2) Under Institution put UTEP
- 3) Under Password put your 800 number
- 4) Change your password: Click the tab that says "My Options".  
Change your password to something other than your 800 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:** I will assign homework from the textbook and collect random homework. It must include procedures and diagrams to receive credit. Homework must be done in graphing paper for graphs. Neatness counts.

**Assessment:** Your overall grade will consist of the weighted average of your scores on three exams, (other assignments such as 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)
Homework	15%
Quizzes	15%
<u>Comprehensive final exam</u>	<u>25%</u>
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 or suspect a disability and need accommodations you should contact Disabled Student Services Office (DSSO) at 747-5148 or at [dss@utep.edu](mailto:dss@utep.edu) or go to Room 106 Union East Building.

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

**Tutoring:** 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](http://www.webassign.net). UTEP Math 1320 website: [http://www.math.utep.edu/classes/math\\_1320/](http://www.math.utep.edu/classes/math_1320/)

**(Subject to change)**

<b>Week</b>	<b>Dates</b>	<b>Sections Covered</b>	<b>Events</b>
1	8/24 – 8/28	1.1 Functions from three viewpoints 1.2 Functions and Models	
2	8/31 – 9/4	1.3 Linear Functions and Models 1.4 Linear Regression	
3	9/7 – 9/11	9.1 Quadratic Functions & Models 9.2 Exponential Functions & Models	9/7 Labor Day
4	9/14 – 9/18	9.3 Logarithmic Functions & Models Exam #1 Review	
5	9/21 – 9/25	2.1 Simple Interest	<b>Exam 1 this week</b> (Exact date TBA)
6	9/28 – 10/2	2.2 Compound Interest 2.3 Annuities, Loans, and Bonds	
7	10/5 – 10/9	3.1 Systems of 2 Eqs./2 unknowns 3.2 Using Matrices to Solve Systems	
8	10/12-10/16	3.3 Applications of Systems of Eqns Exam #2 Review	
9	10/19 – 10/23	6.1 Sets and Set Operations	<b>Exam 2 this week</b> (Exact date TBA)
10	10/26 – 10/30	6.2 Cardinality 6.3 Decision Algorithms	<b>10/30 Course Drop Deadline</b>
11	11/2 – 11/6	6.4 Permutations & Combinations 7.1 Sample Spaces and Events	
12	11/9 – 11/13	7.2 Relative Frequency 7.3 Probability and Probability Models	
13	11/16 – 11/20	7.4 Prob. & Counting Techniques 7.5 Conditional Probability	
14	11/23 – 11/27	Exam #3 Review 7.6 Bayes' Theorem (optional)	11/26-11/27 Thanksgiving Holiday
15	11/30 – 12/4	Final Exam Review	<b>Exam 3 this week</b> 12/4 – Dead Day, no classes
16	12/7 – 12/11	<b>Final exam date TBA</b>	<b>Final exam week</b>

