

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

**Course Number:** 1320, CRN 24028  
**Course Title:** Mathematics for the Social Sciences I  
**Credit Hours:** 3  
**Term:** Spring 2016  
**Course Meeting Time:** LART 306 on TR from 10:30 – 11:50 AM  
**Prerequisite Courses:** M0311 or TSI score between 350 – 390 or placement by previous Accuplacer scores  
**Instructor:** Tuesday J. Johnson  
**Office Location:** Bell Hall 322  
**Contact Info:** WebAssign Communications tab and/or “Ask Your Teacher”  
E-mail: tuesdayj@math.utep.edu  
**Office Hours:** TR 7:00 AM – 8:00 AM, 12:00 Noon – 1:00 PM  
Online: MW 2:00 – 4:00 & by appointment  
**Textbook, Materials:** Finite Mathematics & Applied Calculus, Waner and Constenoble, 6<sup>th</sup> 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:** 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 available on WebAssign with specific due dates. It is your responsibility to keep up with these deadlines. There will be a quiz once or twice a week that will also be available on WebAssign. These quizzes will require you to watch a video and then answer a few questions. The lowest two homework and the lowest two quiz scores will be dropped.

**Assessment:** Your overall grade will consist of the weighted average of your scores on three exams, 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%
<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) or due to a University sponsored event, 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 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. Please see the class rules at the end of this syllabus for more information.

**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](mailto: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](http://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. Thank you for your service!

- 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, February 3<sup>rd</sup>. The last day to drop the course with a "W" is Friday, April 1<sup>st</sup>. Students who decide to drop the course must process a drop form, in person, at the Registrar's Office, by April 1<sup>st</sup>. 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](http://www.webassign.net).  
UTEP Math 1320 website: [www.math.utep.edu/classes/math1320/](http://www.math.utep.edu/classes/math1320/)  
My website: [www.math.utep.edu/Faculty/tuesdayj](http://www.math.utep.edu/Faculty/tuesdayj)

(Subject to change)

Week	Dates	Sections Covered	Events
1	1/18 – 1/22	1.1 Functions from three viewpoints 1.2 Functions and Models	
2	1/25 – 1/29	1.3 Linear Functions and Models 1.4 Linear Regression	
3	2/1 – 2/5	9.1 Quadratic Functions & Models 9.2 Exponential Functions & Models	2/3 – Census Day (Last day to drop w/o a W)
4	2/8 – 2/12	9.3 Logarithmic Functions & Models Exam #1 Review	
5	2/15 – 2/19	2.1 Simple Interest	<b>Exam 1</b> First class of the week
6	2/22 – 2/26	2.2 Compound Interest 2.3 Annuities, Loans, and Bonds	
7	2/29 – 3/4	3.1 Systems of 2 Eqs./2 unknowns 3.2 Using Matrices to Solve Systems	
8	3/7– 3/11		Spring Break – No Classes
9	3/14 – 3/18	3.3 Applications of Systems of Eqns Exam #2 Review	
10	3/21 – 3/25	6.1 Sets and Set Operations	<b>Exam 2 this week</b> First class of the week 3/25 – C. Chavez day (no class) 3/25 -Spring Study Day (no classes)
11	3/28 – 4/1	6.2 Cardinality 6.3 Decision Algorithms	4/1 Course drop deadline
12	4/4 – 4/8	6.4 Permutations & Combinations 7.1 Sample Spaces and Events	
13	4/11 – 4/15	7.2 Relative Frequency 7.3 Probability and Probability Models	
14	4/18 – 4/22	7.4 Prob. & Counting Techniques 7.5 Conditional Probability	
15	4/25 – 4/29	Exam #3 Review 7.6 Bayes' Theorem (optional)	
16	5/2 - 5/6	7.6 Bayes' Theorem (optional) Final Exam Review	<b>Exam 3 this week</b> First class of the week 5/6 – Dead Day, no classes
17	5/9 – 5/13	<b>Final exam date and time</b> <b>Thursday, May 12<sup>th</sup> 10:00 – 12:45</b>	<b>Final exam week</b>

# Class Rules

The following class rules are for your benefit as much as they are for mine. Failure of a student to abide by the rules will result in being asked to leave for the remainder of the class day. Failure of the professor to abide by the rules will result in a reduced homework load for the students.

1. Cell phones will remain silent and put away for the entire class period. Texting, calling, or other random use will result in the student being asked to leave class immediately. Cell phones are NOT calculators. You will not be allowed to use your phone as such for exams.
2. We will have a daily attendance sheet. It is your responsibility to sign in each day. If you have four absences I will drop you from the course. This could affect your financial aid and academic standing.
3. All headphones, earbuds, and Bluetooth devices will be removed from your ears and neck while class is in session. You don't want me lecturing with headphones on, I don't want you "listening" with headphones on. Exam day exception to this rule.
4. You must have a calculator for this class. Cell phones are not calculators in this classroom.
5. There will be no photography, video or audio recording of the lecture or images from the lectures.
6. I do not award extra credit. If you complete all the assignments as they are assigned you will not need extra credit.
7. I do not accept late work without a valid written excuse.
8. All personal items including, but not limited to, back packs, purses, musical instruments, etc. must be placed at the front of the room during all exams.
9. All papers submitted must be stapled if there are two or more pages and all fringes must be removed from notebook paper.

## HOW TO E-MAIL A PROFESSOR

1. Make sure you have tried every other way to find an answer to your question before you e-mail your professor. Read all assignments and directions thoroughly before you ask a question which the professor may have already answered for you. Ask another student before you ask your professor.
2. If you are sure you can find the answer only by asking the professor follow a few simple rules of etiquette.

- a. Always include your name as soon as possible either in the address line or in the first line of your email.
- b. State the main purpose of your email in the subject line. Don't just say "I have a qust".  
Something like: "question over lecture from Sept. 7" is more appropriate.
- c. Choose an appropriate greeting: Dear Professor Jones, or Hello Ms Juarez, or just plain Professor Simmons, are all ok.
- d. Be short and to the point, but do NOT use IM/texting abbreviations.
- e. **Write in complete sentences.**
- f. Spell all words correctly. Use no abbreviations if you can avoid them. Use your spell checker or a dictionary if you are not sure.
- g. Try for a more formal tone than if you were texting a friend.
- h. Ask politely. (Don't say: I need the assignment. Send it.)
- i. Proof read your email before you send it. (The email represents you and you always want to be represented in the best possible light.)
- j. Most professors won't print out attachments unless they have specifically told you they will. Attaching your late homework is good start, however be prepared to bring in the hard copy for the next class.
- k. Sign your email with your full name, section number, and meeting time:  
Sally Suarez  
Math 1320, CRN 14311  
T-TH 7:30 – 8:50
- l. Most professors are very busy. In most cases you should give them at least 12 hours to get back to you. Plan wisely. Only send one message; writing to a professor in three different ways on three different mediums for the same question takes time away from other duties and will not help your situation.
- m. If you email a professor, please check your email for a response before asking the professor if they received your message.
- n. Use the basic good manners you already have and you should do fine.