

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

Course Number: MATH 1320: CRN 25326/27200

Course Title: Mathematics for Social Sciences I

Credit Hrs: 3

Term: Spring 2020

Course Meetings & Location: TR 9:00 a.m.-10:20 a.m.
LART 211

Prerequisite Courses: M0311 or TSI score between 350 – 390 or placement by previous
Accuplacer scores or enrolled in a Co-Requsite (M0312)

Course Fee: (if applicable) None

Instructor: Guillermo Heredia Jr.

Office Location: Bell Hall 322

Contact Info: Office Phone number: (915)747-8738

Math Department Phone number: (915) 747-5761

E-mail address: gherediajr@utep.edu

Office Hrs: MTWR 11:00 a.m.-12:15 p.m.

During off-scheduling (Finals week) or condensed scheduling (late start, closed university) hours will be adjusted appropriately.

Please allow one business day for the return of emails. Evening and weekends emails will be attended to during regular business hours. Other times at the discretion of the instructor.

Textbook: Finite Mathematics & Applied Calculus, Waner and Constenoble,
7th Edition with a WebAssign access code.

Required Technology/Materials Scientific Calculator (permutation/combination key required)
A TI-83 or TI-84 (or similar) graphing calculator is recommended.
Webassign homework account

Webassign Class Key Will be distributed

Course Objectives (Learning Outcomes): Math for Social Sciences I is a pre-calculus course designed for liberal arts, business, and non-science majors.

At the successful completion of this course:

- I. A student will be able to model a situation utilizing an appropriate fundamental function (linear, quadratic, exponential, logarithmic) and solve for an unknown variable
- II. A student will be able to validate a mathematical model algebraically and graphically
- III. A student will be able to model basic financial functions (interest, annuities, loan, and bonds).
- IV. Students will be able to construct and solve systems of linear equations utilizing multiple techniques (including row reduction).
- V. A student will be able to apply fundamental set and probability properties to calculate the probability for a given situation and utilize this to make decisions on the likelihood of outcomes.

Activities and Assignments: Each class period will consist of a combination of lecture, practice problems, and group activities. The in class activities are not for a grade, but it is to your benefit to complete them as they are similar to your homework, quiz, and test questions.

There is a homework assignment for each section covered and a weekly quiz, all of which are to be completed through the WebAssign system. The lowest two quizzes and assignments respectively will be dropped.

Three in-class exams and a comprehensive final exam will be given.
If it benefits you, the score you receive on the final exam will replace your lowest exam score.

Maymester and Test Out: If a student receives a grade of "D" or "F", then they may register for Maymester workshop or take a comprehensive Test Out exam. A grade of 70% or better on the written comprehensive Maymester final exam or a 70% or better on the comprehensive Test Out exam, will replace a failing course grade with a grade of "C". (A grade change form will be signed and submitted by the coordinator for Math 1320, Ms. Tuesday Johnson.).

If you are enrolled in both M0312 and M1320 and you fail both, then you will not be allowed to take the Wintermester workshop or the test-out exam.

Course Schedule: A comprehensive course schedule is attached as the last pages of this syllabus. Semester highlights are included.

- Wednesday Feb 5 – Census Day (Last day to drop without a W)
- **Tuesday Feb 25 – Exam 1**
- Spring Break, March 16 – March 20
- Cesar Chavez Day Mar 27 – No classes
- **Tuesday Mar 31 – Exam 2**
- Friday Apr 3 – Drop Day (Last day to drop with a W)
- **Tuesday May 5 – Exam 3**
- **Tuesday May 12 – Final Exam 10:00 a.m.-12:45 p.m.**

Grading Policy: You will be graded on homework, quizzes, in-class exams, and a final exam

15% Homework Assignments
15% Quizzes
15% Exam I
15% Exam II
15% Exam III
25% Final Exam

Letter grades are determined according to the following scale:

Grade	Score
A	90-100
B	80-89
C	70-79
D	60-69
F	<60

Activity Specific Policies Calculators may not be shared on exams. Cell phone calculators or smart calculators of any kind are not permitted on exams. All personal items are to be stored at the front of the classroom during the exams (including cell phones). No note sheets are permitted. Formula sheets will be provided by the instructor.

Homework Assignment Settings: Each question has 5 attempts. The entire question needs to be submitted at once. You will be able to see the answer to the problem you just submitted. After each submission, the numbers will randomize. I recommend you get help after the 3rd incorrect submission rather than waiting until you are out of attempts to get help. You will receive 10% extra credit for any problems submitted 48 hours before the due date.

Quiz Settings: Each quiz consists of 2-5 questions from the sections indicated in parentheses. The quiz is password protected and timed.

You will have 30 minutes to complete the quiz from the time you type in the password (pw: ready). Each question has two attempts and will not randomize after the first submission. To ensure you are successful, make sure the internet connection is stable, you are ready to focus on the quiz for the next 30 minutes, and you have given yourself enough time before the due date. If you choose to start a quiz less than 30 minutes before the due date, the quiz will conclude at the due date and your answers will be auto-submitted. You will receive 10% extra credit for quizzes submitted at least 48 hours before the due date.

Make-up Policy: Homework: An automatic homework extension can be requested within 14 days after the due date. The new due date will be 48 hours from the time the extension is requested. A 15% penalty will be applied to all problems submitted after the original due date. Problems submitted before the original due date will be unaffected.

Quiz: There are no automatic extensions for quizzes.

If you feel like you have some extenuating circumstance, or have an excused absence that will keep you from completing the assignment or quiz in a timely manner, please contact me right away and be prepared to show supporting documentation.

University Sponsored Events: (conferences, student athletes, etc...) The student needs to inform me of any traveling conflicts before they leave and make adequate arrangements to make up the missed material with one week of returning. Failure to do so, will result in the forfeiture of points.

Exam: 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 and to get lecture notes from a classmate

Academic Integrity Policy: The University policy is that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are

attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Each student is responsible for notice of and compliance with the provisions of the Regents'

Rules and Regulations, which are available for inspection electronically at <https://www.utsystem.edu/offices/board-regents/regents-rules-and-regulations>.

All students are expected and required to obey the law, to comply with the Regents' Rules and Regulations, with System and University rules, with directives issued by an administrative official in the course of his or her authorized duties, and to observe standards of conduct appropriate for the University. A student who enrolls at the University is charged with the obligation to conduct himself/herself in a manner compatible with the University's function as an educational institution.

Any student who engages in conduct that is prohibited by Regents' Rules and Regulations, U. T. System or University rules, specific instructions issued by an administrative official or by federal, state, or local laws is subject to discipline, whether such conduct takes place on or off campus or whether civil or criminal penalties are also imposed for such conduct.

Civility Statement: A student should be fully present in class, ready to learn. In order to maintain focus, smart phones, smart watches, iPads, Bluetooth or any smart devices should be kept silent and out of sight.

It is expected that students will interact with each other in a respectful way as to maintain a positive work environment.

Videos or pictures of lectures must have written consent from the instructor and student(s).

Disability Statement: If you need classroom accommodations for your success, 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 <https://www.utep.edu/student-affairs/cass/>

The student is responsible for informing me of the accommodations needed and will be responsible for proactive actions in regards to having accommodations met.

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.

Drop Deadlines: The last day to drop the course without a "W" is Wednesday, February 5th. The last day to drop the course with a "W" is Friday, April 3rd. Students who decide to drop the course must process a drop form, in person, at the Registrar's Office, April 3. Please note that the College of Science will remain aligned with the University and will not approve any drop requests after that date.

If you are enrolled in both Math 0312 and Math 1320 and you are dropped from Math 0312, then you will be also dropped from Math 1320.

Tutoring: The MaRCS tutoring center offers free tutoring and is located at the UTEP library room 218. There are several useful features of WebAssign designed to give extra help. 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/>