

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

Course Number: Math 1320, CRN 11254
Course Title: Mathematics for Social Sciences I
Credit Hours: 3
Term: Fall 2020
Course Meeting Time: None – course is entirely online via WebAssign and Blackboard
Prerequisite Courses: M0311 or TSI score between 350 – 390 or placement by previous Accuplacer scores
Instructor: Desmond Koomson
Office Location: Online Only
Contact Info: Math Department: mathdept@utep.edu
Course coordinator: tjohnson3@utep.edu
My E-mail: dkoomson@utep.edu

Emails will be answered within working hours/days. Emails received outside of these windows will be addressed during the next time period or at my discretion, whichever is sooner.

Virtual Office Hours: **Mon & Wed [10:30am – 11:50am & 12:30pm – 1:30pm]**
Tues & Thurs [1:30pm – 3:30pm] (General Hours)

Office hours are only held during normal university scheduling. Please allow one business day for the return of emails. Evening and weekend emails will be attended to during regular business hours. Other times at the discretion of the instructor.

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

Textbook, Materials: Finite Mathematics & Applied Calculus, Waner and Constenoble, 7th Edition with an Enhanced WebAssign access code. You may purchase just the access card which contains the e-book.
ISBN-10: 1-337-27420-8
ISBN-13: 978-1-337-27420-3

Required Technology: MS Excel and a WebAssign account. You will need a basic scientific calculator, at minimum. Graphing calculators are also acceptable and are recommended, but not required.

WebAssign:

WebAssign is an online Course Management System of Cengage, the publisher of our text. You must have reliable internet in order to take an online course. You will use the instructions below to access and register for WebAssign. You will have a 14-day free trial so that you may access your coursework immediately.

Instructions to access and register for WebAssign:

To enter your course on WebAssign on August 24, go to www.webassign.net and follow these steps:

- 1) Click on "Enter Class Key"
- 2) Enter the class key given by your instructor: **utep xxxx xxxx** in the three boxes given.
- 3) Verify the section number and instructor name, then enter your information. Please make sure that you use your miners email and that you remember the password that you create.
- 4) The next time you log in, click on "Log In" and enter your miners email and the password that you created.

You are required to purchase an access code to log in as soon as possible and definitely before the grace period ends. If you purchased a new book from the UTEP bookstore, the code should have come with it. When entering the code, enter all the words and characters in the boxes appropriately.

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.

Activities & Assignments:

You will find all assignments on www.webassign.net. Please use Mozilla Firefox, Google Chrome, or Safari since WebAssign works best with these browsers. All work, including homework, quizzes, and exams, will take place through WebAssign. Exams will require

the use of the WebAssign Lockdown Browser. Please download the browser here:

https://www.webassign.net/manual/student_guide/install-lockdown-browser.htm.

For more information on the use of the browser, please see the student guide here:

https://www.webassign.net/manual/student_guide/t_s_assignments_lockdown_browser.htm

Wintermester/Test-Out:

If a student receives a grade of “D” or “F”, then they may register for Wintermester workshop or take a comprehensive Test-Out exam. A grade of 70% or better on the written comprehensive Wintermester 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 J. Johnson.).

Resources:

You will have course PowerPoint and video access through the Resources section of WebAssign and Blackboard. You can click on resources at the bottom of your WebAssign homepage and you will be able to access PowerPoint lectures from the publisher as well as the Cengage lecture videos for each section that we cover. These are great built in resources to add to what your instructor provides.

Class Activities & Policies:

Homework - All homework will be completed on WebAssign with due dates as listed on the course calendar. Each question has 5 attempts. I recommend you get help after the 3rd incorrect submission rather than waiting until you are out of attempts to get help.

Quizzes – After a few sections of homework, you will have a 60-minute timed quiz over that material. The password for all quizzes is the word **ready**. Each question has 3 attempts. If you choose to start a quiz less than 60 minutes before the due date, the quiz will conclude at the due date and your answers will be auto-submitted.

Exams – To review for each exam, an exam review will be available. The exam review is considered a homework score, so be

sure to complete the assignment. The exams will be available for a 24-hour period on the date specified by the course calendar. The exam itself is timed at 120 minutes (two hours) and will have an accessible scientific calculator included. You have two attempts at each problem. The password for all exams is the word **ready**. If you choose to start an exam less than 120 minutes before the due date, the quiz will conclude at the due date and your answers will be auto-submitted. You must have already downloaded the WebAssign Lockdown Browser in order to access the exams.

Final Exam – The final exam will be available for three days during final exam week, see course calendar. This exam is a comprehensive exam and is required for all students. You may not opt out of the final exam. However, the final exam score may be used to replace a lower exam 1, 2, or 3 score as long as it benefits the student. The final exam is timed at 165 minutes (2hr45min) and will have an accessible scientific calculator included. The password for the final exam is the word **ready**. You must have already downloaded the WebAssign Lockdown Browser in order to access the exams.

For all timed assignments, the clock begins once you type the appropriate password. This clock will not stop for any reason, not even if you log out. For this reason, it is important to check for any updates on your computer prior to beginning the timed assignments

Course Schedule:

A comprehensive course schedule is available as a separate document. Semester highlights include:

- August 24, 2020 first day of classes
- September 9, 2020 Fall census day
- October 30, 2020 Fall Drop/Withdrawal deadline
- December 4, 2020 Dead Day

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%

Drop Policy:

The Drop Date for this semester is Friday October 30th, 2020 before 5:00 PM. No drops will be approved after this date or time.

Students who decide to drop the course must process a drop form, by emailing records@utep.edu 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.**

Make-up Policy:

Homework: An automatic homework extension can be requested within 7 days of the original due date. The new due date will be 48 hours from the time the extension is requested. Note, this means that the **time due** will also change. No penalty will be applied to problems submitted after the original due date.

Quizzes: There are no automatic extensions for quizzes.

If you feel like you have some extraordinary 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.

Exams: 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:

If you do not submit any assignments on WebAssign by Wednesday, Sep 2nd at 11:59 PM, then you may be dropped from this class for lack of effort. You are expected to work toward completion of the course assignment daily. If you do not submit any assignments onto WebAssign for two consecutive weeks, then you may be dropped from this class due to lack of effort. You are expected to check Blackboard and your miners email regularly for announcements as well as the WebAssign Announcement section.

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:

All correspondence with your instructor, TA, and other students should be conducted in an appropriate manner.

Disability Statement:

If you need 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 semester, please contact me by the end of the first week of class

Drop Deadlines:

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, by emailing records@utep.edu 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:

The MaRCS tutoring center offers free tutoring, click here for more information: <https://www.utep.edu/science/math/marcs/>. 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/>

Subject to Change

Week	Dates	Sections Covered	Assignments Due	Events
1	8/24 - 8/30	Getting Started with WebAssign	8/27 at 11:59pm MDT	Assignments in blue are required as homework. They are intended to assist students.
		1.1 Functions from 3 viewpoints	8/30 at 11:59pm MDT	
2	8/31-9/6	1.2 Functions and Models	9/3 at 11:59pm MDT	Assignments in gold are quizzes. They will be timed at 60 minutes each with password ready
		Quiz 1 (1.1, 1.2)	9/6 at 11:59pm MDT	
		1.3 Linear Functions and Models	9/6 at 11:59pm MDT	
3	9/7-9/13	1.4 Linear Regression	9/10 at 11:59pm MDT	Yellow assignments are exams. Password is ready. Exams are timed at 2 hours each. WA lockdown req.
		Quiz 2 (1.3, 1.4)	9/10 at 11:59pm MDT	
		2.1 Quadratic Functions and Models	9/13 at 11:59pm MDT	
4	9/14-9/20	Quiz 3 (2.1)	9/17 at 11:59pm MDT	
		2.2 Exponential Functions and Models	9/17 at 11:59pm MDT	
		2.3 Logarithmic Functions and Models	9/20 at 11:59pm MDT	
5	9/21-9/27	Quiz 4 (2.2, 2.3)	9/23 at 11:59pm MDT	
		Practice Exam 1	9/23 at 11:59pm MDT	
		Exam 1	9/24 at 11:59pm MDT	Exam 1 will become available 9/23 at 11:59pm MDT
6	9/28-10/4	3.1 Simple Interest	10/1 at 11:59pm MDT	
		3.2 Compound Interest	10/4 at 11:59pm MDT	
7	10/5-10/11	Quiz 5 (3.1, 3.2)	10/8 at 11:59pm MDT	
		3.3 Annuities, Loans, and Bonds	10/8 at 11:59pm MDT	
		Quiz 6 (3.3)	10/11 at 11:59pm MDT	
8	10/12-10/18	4.1 Systems of 2 Eqs./2 unknowns	10/15 at 11:59pm MDT	
		4.2 Using Matrices to Solve Systems	10/18 at 11:59pm MDT	
9	10/19-10/25	Quiz 7 (4.1, 4.2)	10/22 at 11:59pm MDT	

		4.3 Applications of Systems of Eqns	10/22 at 11:59pm MDT	
		Quiz 8 (4.3)	10/25 at 11:59pm MDT	
10	10/26-11/1	Practice Exam 2	10/28 at 11:59pm MDT	
		Exam 2	10/29 at 11:59pm MDT	Exam 2 will become available 10/28 at 11:59pm MDT
11	11/2-11/8	7.1 Sets and Set Operations	11/5 at 11:59pm MST	10/30 Fall Drop/Withdrawal Deadline
		7.2 Cardinality	11/5 at 11:59pm MST	
		Quiz 9 (7.1, 7.2)	11/8 at 11:59pm MST	
		7.3 Decision Algorithms	11/8 at 11:59pm MST	
12	11/9-11/15	7.4 Permutations & Combinations	11/12 at 11:59pm MST	
		Quiz 10 (7.3, 7.4)	11/15 at 11:59pm MST	
		8.1 Sample Spaces and Events	11/15 at 11:59pm MST	
13	11/16-11/22	8.2 Relative Frequency	11/19 at 11:59pm MST	
		Quiz 11 (8.1, 8.2)	11/19 at 11:59pm MST	
		8.3 Probability and Probability Models	11/22 at 11:59pm MST	
14	11/23-11/29	8.4 Probability and Counting Techniques	11/25 at 11:59pm MST	
		8.5 Conditional Probability	11/29 at 11:59pm MST	
15	11/30-12/6	Quiz 12 (8.3, 8.4, 8.5)	11/29 at 11:59pm MST	
		Practice Exam 3	12/2 at 11:59pm MST	
		Exam 3	12/3 at 11:59pm MST	Exam 3 will become available 12/2 at 11:59pm MST
		Practice Final Exam	12/6 at 11:59pm MST	12/4 – Dead Day, no classes
16	12/7-12/11	Final Exam	Due 12/9 at 11:59pm MST	Final Exam will become available 12/6 at 11:59 pm MST. The final is timed at 2h45m with password ready