

THE UNIVERSITY OF TEXAS AT EL PASO

COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

COURSE BASICS

Course Number: MATH 1320: CRN 23503
Course Title: Mathematics for Social Sciences I
Credit Hours: 3
Term: Spring 2021
Meeting and Location: None –The course is entirely online via WebAssign and Blackboard
Prerequisite Courses: Math 0311 or TSI score between 350 – 390
or placement by previous Accuplacer scores

INSTRUCTOR INFORMATION

Instructor: Charles Mundy-Castle
Office Location: Online Only TR 11:30-1:00 and MW 9:30-10:30 on [WebEx](#) (click the link for info)

Contact

Instructor e-mail: cmmundy@utep.edu
Course coordinator: Samantha Patterson at sjohnson5@utep.edu
Math Department: mathdept@utep.edu

E-mails will be answered between 8:00AM and 5:00PM M-F. E-mails received outside of these windows will be addressed during the next time period or at my discretion, whichever is sooner.

Office Hours:

Office hours are a time where you can get individualized help from me. I am available to answer questions about course content and address any concerns you have about the class. During scheduled times, you may drop in without an appointment. You are not required to attend the sessions if you do not have questions. If you need help and cannot attend during the scheduled time, please e-mail me to schedule an appointment.

Office hours are only held during normal university scheduling. Please allow one business day for the return of e-mails. Evening and weekend e-mails will be attended to during regular business hours and other times at the instructor's discretion.

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

REQUIRED TECHNOLOGY AND MATERIALS

Textbook:

Finite Mathematics & Applied Calculus by Waner and Constenoble, 7th Edition with a WebAssign access card.

ISBN-10: 1-337-27420-8

ISBN-13: 978-1-337-27420-3

You must have the Enhanced WebAssign access code. This gives you full access to both the assignments and the e-book.

Optional

A hard copy of the textbook is available but not required for the class. The e-book is adequate and comes with the required access code.

Calculator:

A Scientific Calculator with the permutation/combination key is required (example: TI-30XIIS). A graphing calculator similar to a TI-83 or TI-84 is recommended.

Online Components

You are required to have a WebAssign homework account.

Ensure your UTEP e-mail account is working and that you have consistent access to the internet and a stable web browser. [Mozilla Firefox](#), [Google Chrome](#), and [Safari](#) are the most supported browsers for both Blackboard and WebAssign.

You will need to have regular access to a computer or laptop. Your cell phone is not sufficient for doing coursework. You will need to download or update the following software:

- Microsoft Office (available for free through UTEP),
- [Adobe](#),
- [Windows Media Player](#) or [QuickTime Player](#), and
- [Java](#).

Blackboard

Blackboard will be our primary platform. Inside of the Blackboard course you will be able to see announcements, grades, and course materials.

Modules:

This course is designed using a modular format—that is, each chapter is “packaged” as a single module so that all the materials, lecture notes, submission areas, discussion posts are in one area for a given week.

WebAssign

WebAssign is an online Course Management System of Cengage, the publisher of our text. You must have reliable internet to take an online course. Use the instructions below to access and register for WebAssign using your official [UTEP email account](#). You will have a 14-day free trial so that you may access your coursework immediately.

Instructions to access and register for WebAssign:

WebAssign is linked with Blackboard, so you simply need to click the link that says Access WebAssign from within Blackboard.

You are required to purchase an access code to log in as soon as possible and 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 OVERVIEW

Course Objectives and 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, loans, 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:

You will find all assignments on WebAssign. 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.

Three 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," "F," or "U" they may register for the 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" or "S" as appropriate. (A grade change form will be signed and submitted by the coordinator for Math 1320, Samantha Patterson).

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. You will be able to access PowerPoint lectures from the publisher and the Cengage lecture videos for each section that we cover. In Blackboard, I will provide Worksheets for each section that include notes and practice problems.

Tutoring

The MaRCS tutoring center offers free tutoring for math classes; their website has more information: <https://www.utep.edu/science/math/marcs/>

There are several useful features in WebAssign designed to give extra help. These include "Watch it" and "Master it" links.

I am also available during office hours to help with questions.

Website

UTEP Math 1320 website: <http://www.math.utep.edu/classes/math1320/>

Class Activity Settings

Homework Assignments

All homework will be completed on WebAssign. 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 quizzes may contain problems you have not seen previously, but they will be based on the same concepts.

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, complete the exam review, which will be available at least one week before the exam date, on WebAssign. The review is a homework score, so be sure to complete the reviews. The exams will be available on WebAssign for three days starting on the date specified by the course calendar and listed below. The exam itself is timed at 120 minutes (two hours) and will have an accessible scientific calculator. You have two attempts at each problem.

- Exam 1: Opens 12:00 AM MST on Friday, March 26 and closes Sunday, March 28 at 11:59 PM MST
- Exam 2: Opens 12:00 AM MDT on Friday, April 9 and closes Sunday, April 11 at 11:59 PM MDT
- Exam 3: Opens 12:00 AM MDT on Sunday, April 25 at closes Tuesday, April 27 at 11:59 PM MDT

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 exam will conclude at the due date, and your answers will be auto-submitted.

Final Exam

The final exam will be available for five days during final exams week (4/28-5/2). This is a comprehensive exam and is required for all students, meaning you may not opt-out of the final exam. The final exam is timed at 165 minutes (2hr 45min) and will have an accessible scientific calculator.

The password for the final exam is the word **ready**.

The final exam will open at 12:00 AM (midnight) MDT on Wednesday, April 28, and close on Sunday, May 2, at 11:59 PM.

Timed Assignments:

For all timed assignments, the clock begins once you open the assignment. 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 before beginning the timed assignments. The due date will change to reflect the time limit for timed assignments once you begin the quiz or exam.

Course Schedule:

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

- March 15 First Day of Classes
- March 19 Census Day (Last day to drop without a W)
- April 23 Drop Day (Last day to drop with a W)

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	Alternative Grading Scale (if applicable)	
A	90-100		
B	80-89	S	70 - 100
C	70-79		
D	60-69	U	<70
F	<60		

Drop Policy

The Drop Date for this semester is Friday, April 23, 2021, before 5:00 PM MDT. No drops will be approved after this date or time.

Students who decide to drop the course must process a drop form by sending an email from your miners email account to records@utep.edu by April 23 before 5:00 PM MDT. Please note that the College of Science will remain aligned with the university and **will not approve any drop requests after that date.**

Incomplete Grade Policy

Incomplete grades may be requested only in exceptional circumstances after you have completed at least half of the course requirements. Talk to me immediately if you believe an incomplete is warranted. If granted, we will establish a contract of work to be completed with deadlines.

COURSE COMMUNICATION:

How we will stay in contact with each other

Because this is an online class, we won't see each other in the ways you may be accustomed to: during class time, small group meetings, and office hours. However, there are several ways we can keep the communication channels open:

- **Office Hours:** We will not be able to meet on campus, but I will still have office hours for your questions and comments about the course. My office hours will be held on WebEx using this link: [WebEx](#) and during the following times:
 - Mondays and Wednesdays: 9:30-10:30 a.m. Mountain Time
 - Tuesdays and Thursdays: 11:30 a.m.-1:00 p.m. Mountain Time
- **Email:** UTEP e-mail is the best way to contact me. I will make every attempt to respond to your e-mail within 24-48 hours of receipt. When e-mailing me, be sure to email from your UTEP student account and please put the course number in the subject line. In the body of your e-mail, clearly state your question. At the end of your e-mail, be sure to put your first and last name, and your university identification number.
- **Announcements:** Check the Blackboard and WebAssign announcements frequently for any updates, deadlines, or other important messages.

ADDITIONAL COURSE POLICIES AND STATEMENTS

Make-up Policy

Homework

An automatic homework extension can be requested within 7 days after the due date. To do so, log in to WebAssign and click on My Assignments. Scroll to the assignment you want to extend and click Request Extension. Select "Automatic" and "Accept" the extension. The new due date will be 48 hours from the time the extension is requested. Note, this means that **due time** will also change. No penalty will be applied to problems submitted after the original due date.

You may not view the answer key to a homework assignment and get an extension for it.

Quiz

There are no automatic extensions for quizzes. Quizzes are available before their due date. Please make plans to take the quiz early if you have a conflict.

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:

These include conferences, student-athletes' competitions, etc. The student needs to inform me of any traveling conflicts before leaving and plan to 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 such as severe illness or death in the immediate family, and with appropriate documentation (e.g., doctor's note).

Alternative Means of Submitting Work in Case of Technical Issues

I strongly suggest that you submit your work with plenty of time to spare if you have a technical issue with the course website, network, and/or your computer. I also suggest you save all your work (answers to homework, quizzes, and exams) in a separate Word document or hand-written notebook as a back-up. This way, you will have evidence that you completed the work and will not lose credit. If you are experiencing difficulties submitting your work through the course website, please contact the UTEP Help Desk.

You can email me your back-up document as a last resort. You must also have proof of the technical issue with either a screen shot of the WebAssign issue or email from your internet provider of an outage in your area.

Attendance Policy:

You are expected to work toward the completion of the course assignments daily. Attendance in an online course is measured by the completed tasks. Failing to complete tasks is equivalent to being absent. Failure to complete assignments for several weeks may result in you being dropped from the course. You are expected to check Blackboard and your UTEP miners e-mail 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, and any act designed to give an 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, comply with the Regents' Rules and Regulations, with System and University rules, with directives issued by an administrative official during his or her authorized duties, and 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.

Course Netiquette Policy:

All correspondence with your instructor, TA, and other students should be conducted in an appropriate and professional manner. Please be considerate of your tone and word choice when conducting correspondence.

Accommodation Policy:

The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). Contact the Center for Accommodations and Support Services at 915-747- 5148, or email them at cass@utep.edu , or apply for accommodations online via the CASS portal.

COVID-19 Accommodations

Students are not permitted on campus when they have a positive COVID-19 test, exposure or symptoms. If you are not permitted on campus, you should contact me as soon as possible so we can arrange necessary and appropriate accommodations. (classes with on-campus meetings) Students who are considered high risk according to CDC guidelines and/or those who live with individuals who are considered high risk may contact Center for Accommodations and Support Services (CASS) to discuss temporary accommodations for on-campus courses and activities. Apply at cassportal.utep.edu and fill out a three-question application. You will be scheduled to meet with disability coordinator to discuss your unique situation.

COVID-19 Precautions

You must STAY AT HOME and REPORT if you (1) have been diagnosed with COVID-19, (2) are experiencing COVID-19 symptoms, or (3) have had recent contact with a person who has received a positive coronavirus test. Reports should be made at screening.utep.edu. If you know of anyone who should report any of these three criteria, you should encourage them to report. If the individual cannot report, you can report on their behalf by sending an email to COVIDaction@utep.edu.

For each day that you attend campus—for any reason—you must complete the questions on the UTEP screening website (screening.utep.edu) prior to arriving on campus. The website will verify if you are permitted to come to campus. Under no circumstances should anyone come to class when feeling ill or exhibiting any of the known COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, and alternative instruction will be provided. Students are advised to minimize the number of encounters with others to avoid infection.

Please contact me immediately if you fall ill during the semester so that we can work together to formulate a strategy to help you get caught up as soon as you are physically able.

Military Statement:

If you are a military student with the potential of being called to military service or training during the semester, you are encouraged to contact me as soon as you receive your orders.

Copyright Statement:

Course Materials

All materials used in this course are protected by copyright law. The course materials are only for the use of students currently enrolled in this course and only for the purpose of this course. They may not be further disseminated.

Class Recordings

The use of recordings will enable you to have access to class lectures, group discussions, and so on in the event you miss a synchronous or in-person class meeting due to illness or other extenuating circumstance. Our use of such technology is governed by the Federal Educational Rights and Privacy Act (FERPA) and UTEP's acceptable-use policy. A recording of class sessions will be kept and stored by UTEP, in accordance with FERPA and UTEP policies. Your instructor will not share the recordings of your class activities outside of course participants, which include your fellow students, teaching assistants, or graduate assistants, and any guest faculty or community-based learning partners with whom we may engage during a class session. You may not share recordings outside of this course. Doing so may result in disciplinary action.

COURSE RESOURCES

Where you can go for assistance UTEP provides a variety of student services and support:

Academic and Technology Resources

- **[Help Desk](#)**: Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus, Academic Resources.
- **[UTEP Library](#)**: Access a wide range of resources including online, full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.
- **[Math Tutoring Center \(MaRCS\)](#)**: Ask a tutor for help and explore other available math resources.

Individual Resources

- **[Military Student Success Center](#)**: Assists personnel in any branch of service to reach their educational goals.

- [Center for Accommodations and Support Services](#): Assists students with ADA-related accommodations for coursework, housing, and internships.
- [Counseling and Psychological Services](#): Provides a variety of counseling services including individual, couples, and group sessions as well as career and disability assessments.

Subject to Change

Week	Dates	Sections Covered	Assignments Due	Events		
1	3/15 - 3/21	Getting Started with WebAssign	3/21 at 11:59 PM MST	Assignments in blue are included as homework grades. They are required and intended to assist students		
		Syllabus Quiz	3/21 at 11:59 PM MST			
		1.1 Functions from 3 viewpoints	3/21 at 11:59 PM MST			
				1.2 Functions and Models	3/21 at 11:59 PM MST	Assignments in gold are quizzes. Time limit is 60 minutes; password: ready
				Quiz 1 (1.1, 1.2)	3/21 at 11:59 PM MST	
				1.3 Linear Functions and Models	3/21 at 11:59 PM MST	Yellow assignments are exams. Time limit is 2hrs; password: ready
				1.4 Linear Regression	3/21 at 11:59 PM MST	
		Quiz 2 (1.3, 1.4)	3/21 at 11:59 PM MST			
2	3/22 - 3/28	2.1 Quadratic Functions and Models	3/27 at 11:59 PM MST			
		Quiz 3 (2.1)	3/27 at 11:59 PM MST			
		2.2 Exponential Functions and Models	3/27 at 11:59 PM MST			
		2.3 Logarithmic Functions and Models	3/27 at 11:59 PM MST			
		Quiz 4 (2.2, 2.3)	3/27 at 11:59 PM MST			
		Exam 1 Review	3/28 at 11:59 PM MST			
		Exam 1	3/28 at 11:59 PM MST		Exam 1 will become available 3/26 at 12:00 AM MST	
3	3/29 - 4/4	3.1 Simple Interest	4/3 at 11:59 PM MST			
		3.2 Compound Interest	4/3 at 11:59 PM MST			
		Quiz 5 (3.1, 3.2)	4/3 at 11:59 PM MST			
		3.3 Annuities, Loans, and Bonds	4/4 at 11:59 PM MST			
		Quiz 6 (3.3)	4/4 at 11:59 PM MST			
4	4/5 - 4/11	4.1 Systems of 2 Eqs./2 unknowns	4/10 at 11:59 PM MST			
		4.2 Using Matrices to Solve Systems	4/10 at 11:59 PM MDT			
		Quiz 7 (4.1, 4.2)	4/10 at 11:59 PM MDT			
		4.3 Applications of Systems of Eqns	4/10 at 11:59 PM MDT			
		Quiz 8 (4.3)	4/10 at 11:59 PM MDT			
		Exam 2 Review	4/11 at 11:59 PM MDT			
Exam 2	4/11 at 11:59 PM MDT	Exam 2 will become available 4/9 at 12:00 AM MDT				
5	4/12 - 4/18	7.1 Sets and Set Operations	4/17 at 11:59 PM MDT			
		7.2 Cardinality	4/17 at 11:59 PM MDT			
		Quiz 9 (7.1, 7.2)	4/17 at 11:59 PM MDT			
		7.3 Decision Algorithms	4/18 at 11:59 PM MDT			
		7.4 Permutations & Combinations	4/18 at 11:59 PM MDT			
		Quiz 10 (7.3, 7.4)	4/18 at 11:59 PM MDT			
6	4/19 - 4/25	8.1 Sample Spaces and Events	4/25 at 11:59 PM MDT			
		8.2 Relative Frequency	4/25 at 11:59 PM MDT			
		Quiz 11 (8.1, 8.2)	4/25 at 11:59 PM MDT			
		8.3 Probability and Probability Models	4/26 at 11:59 PM MDT			
		8.4 Probability and Counting Techniques	4/26 at 11:59 PM MDT			
		8.5 Conditional Probability	4/26 at 11:59 PM MDT			
		Quiz 12 (8.3, 8.4, 8.5)	4/26 at 11:59 PM MDT			
		Exam 3 Review	4/27 at 11:59 PM MDT			
		Exam 3	4/27 at 11:59 PM MDT		Exam 3 will become available 4/25 at 12:00 AM MDT	
7	4/26 - 5/2	Final Exam Review	5/2 at 11:59 PM MDT			
		Final Exam	Due 5/2 at 11:59 PM MDT		Final Exam will become available 4/28 at 12:00 AM MDT. The final is timed at 2h45m with password ready	