

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

Course Number: 2301, CRN 26021
Course Title: Mathematics for the Social Sciences II
Credit Hours: 3
Term: Spring 2019
Course Meeting Time: TR, 9:00 am - 10:20 am in LART 205
Prerequisite Courses: Math 1320
Instructor: Francis Biney
Office Location: Bell Hall 215
Contact Info: 747-7004
E-mail: fbiney@utep.edu
Office Hours: MW 9am-11:00am or by appointment
Textbook, Materials: **Finite Mathematics & Applied Calculus, Waner and Constenoble, 7th Edition**

Course Objectives: The *Mathematics for Social Sciences II* course is designed for students who major in business, social sciences, and liberal arts. The mathematical concepts will be focused on the real-life applications that students can relate to. The course contains basic problems and their applications in mathematics, including but not limited to: matrices, limits, the derivative and its applications, and integrals and their applications. A student who passes this course will be able to understand and work with these mathematical tools, and be able to apply them in future math courses and in their careers.

Assignments: There will be an in-class assignment every class period, which you are to work on during class time. You don't need to turn these in; they are for your own benefit. In addition, homework assignments will be given at the start of each new section. There will be quizzes after every two or three sections that will be based on the previous homework assignments.

Assessment: Your overall grade will consist of the weighted average of your scores on the exams, homework, quizzes and the final exam.

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 and Quizzes	30%
<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), 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 and need to be submitted on time.**
- 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, MP3 players, blue tooth devices, etc. during class. Cell phones 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 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, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at 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.
- Technology:** A scientific calculator is necessary; a TI-83 or TI-84 graphing calculator will be very helpful.
- Drop Deadlines:** The last day to drop the course without a "W" is Feb. 6st. The last day to drop the course with a "W" is April 5th. **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 April 5th.**
- Tutoring:** The Tutoring and Learning Center (TLC) offers free tutoring and is located on the third floor of the campus library. There are numerous private tutors available. Please also make use of the instructor's office hours.

Math 2301 TR Spring 2019 Schedule
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Week	Dates	Sections Covered	Events
1	1/22 - 1/25	5.1 Matrix Addition and Scalar Multiplication	
		5.2 Matrix Multiplication	
2	1/28 - 1/31	5.3 Matrix Inversion	
		10.1/10.2 Limits 3 Viewpoints	
3	2/04 - 2/7	10.3 Limits 3 Viewpoints	2/6 – Census Day (Last day to drop w/o a W)
		10.4 Average Rate of Change	
4	2/11 - 2/14	10.5/10.6 Derivatives 3 Viewpoints	
		11.1 Derivatives Powers, Sums, and Constant Multiples	
5	2/18 - 2/21	Review Exam #1	
		Exam 1 – Thursday 2/21	
6	2/25 - 2/28	11.2 Marginal Analysis	
		11.3 Product and Quotient Rule	
7	3/4 - 3/7	11.4 Chain Rule	
		11.5 Derivatives of Logarithmic	
8	3/11 - 3/14	12.1 Maxima and Minima	
		12.2 Applications of Maxima and Minima	
	3/18 - 3/22		Spring Break – No Classes
9	3/25 - 3/28	12.3 Acceleration and Concavity	3/29 – C. Chavez day (no class)
		Review Exam #2	
10	4/1 - 4/4	Exam 2 - Tuesday 4/2	4/5 Course drop deadline
		13.1 Indefinite Integral	
11	4/8 - 4/11	13.2 Substitution	
		13.2 Substitution	
12	4/15 - 4/18	13.4 Definite Integral 3 Viewpoints and FTC	
		14.1 Integration by Parts	
13	4/22 - 4/25	14.1 Integration by Parts	
		14.3 Averages and Moving Averages	
14	4/29 - 5/2	Review Exam 3	
		Exam 3 Thursday 5/2	
15	5/6 - 5/9	Review Final Exam	
	5/15/19	Final Exam Tuesday, May 14th 10:00 am – 12:45 pm	