

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICAL SCIENCES

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| Course Number: | MATH 2301 - 20998 |
| Course Title: | Mathematics for Social Sciences II |
| Credit Hrs: | 3 |
| Term: | Spring 2023 |
| Course Meetings & Location: | Asynchronous Online (Students will not be required to meet specific days or times.) |
| Prerequisite Courses: | MATH 1320 or MATH 1411 or MATH 1508 with a grade "C" or better |
| Course Fee: (if applicable) | None |
| Instructor: | Jeremy L. Ramirez |
| Office Location: | Library 515 or ONLINE |
| Contact Info: | E-mail Address: jlramirez3@utep.edu Phone: (915) 747-5761 (Math Department) |
| Office Hours: | By Appointment TR 1:45 pm to 2:45 pm MW 12:15 pm to 1:15 pm |
| Textbook(s), Materials: | Required: Finite Mathematics & Applied Calculus, Warner and Constenoble, 7 th Edition with an Enhanced WebAssign Access Code Respondus Lockdown Browser <u>MANDATORY:</u> WebAssign Class Key: utep 8055 5807 Reliable Internet and computer/laptop MS Excel or Google Sheets Basic Scientific Calculator at minimum, graphing calculators are recommended by not required. |
| Course Objectives (Learning Outcomes): | 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. |

Course Activities/Assignments: All the assignments on www.webassign.net. Please use Google Chrome, Mozilla Firefox, or Safari, since WebAssign works best with these browsers. All work, including homework and exams will be assigned through WebAssign. There will be three exams and a final comprehensive exam.

Assessment of Course Objectives: All homework and exams will be assessed for correctness through WebAssign.

| Course Schedule: | Weeks | Sections | Topic |
|------------------|---------|--------------------------|--|
| | 1 – 2 | 5.1 – 5.3 | Matrix Algebra and Applications |
| | 3 – 6 | Chapter 10 | Introduction to the Derivative |
| | 7 – 9 | Chapter 11 | Techniques of Differentiation |
| | 10 – 13 | 12.1, 12.2, 13.1-13.4 | Further Applications of the Derivative The Integral |
| | 14 – 15 | 14.1 – 14.2 | Further Integration Techniques |

Important Dates: Census Day – Last Day to Drop without a “W” (Feb. 1st)
Last Day to Drop with a “W” (March 30th)

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| Grading Policy: | Homework Average | 30% | A= 90 and above |
| | Exam 1 | 15% | B=80-89 |
| | Exam 2 | 15% | C=70-79 |
| | Exam 3 | 15% | D=60-69 |
| | Final Exam* | 25% | F=59 and below |

Make-up Policy: Late homework/quizzes may be accepted with permission from the instructor, within one week of their deadlines. There may be a penalty of 5 points per day the assignment is late. If a student misses an exam, it can be made-up with permission from the instructor.

The final exam can replace the student’s lowest exam grade if it is to the student’s benefit.

Attendance Policy: There are no class meetings, but the students are expected to work on assignments for the class every week.

Drop Policy: According to UTEP Curriculum and Classroom Policies, “When, in the judgment of the instructor, a student has been absent to such a degree as to impair his or her status relative to credit for the course, the instructor may drop the student from the class with a grade of “W” before the course drop deadline and with a grade of “F” after the course drop deadline.” See academic regulations in the UTEP Undergraduate Catalog for a list of excuse absences.

If you are not attending class nor are you turning in assignments, you may be dropped from the course.

Incomplete Policy: 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. The College of Science allows a period of one month to complete this contract. 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.

Academic Integrity Policy: Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, 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. Refer to the UTEP's Policy at <https://www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html>.

Civility Statement: Calculators may not be shared during quizzes and exams. Please do not use any electronic devices during class. Cell phones should be set to silent or vibrate, and any calls should be taken outside of class. Please do not wear headsets or blue tooth devices during class. Please don't talk during lectures. Cell phone calculators may not be used on quizzes or exams. Active participation in class is expected, teamwork in class will be implemented.

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.sa.utep.edu/cass.

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.