

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

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| Course Number: | 2301 CRN: 33855 |
| Course Title: | Mathematics for the Social Sciences II |
| Credit Hours: | 3 |
| Term: | Summer I 2020 |
| Course Meeting Time: | Online class- To clarify questions contact me Monday to Thursday from 10:30 to 12:00 p.m. |
| Prerequisite Courses: | Math 1320 |
| Instructor: | Dr. Rocio Gallardo |
| Office Location: | Bell Hall 130E |
| Contact Info: | Phone: 915-747-5703 E-mail: regallardo@utep.edu |
| Office Hours: | Monday to Thursday from 10:30 a.m. to 12:00 p.m. (via email) |
| Textbook, Materials: | Finite Mathematics & Applied Calculus, Waner and Constenoble, 7 th Edition |

WebAssign Class Key utep 4683 2547

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.

**Course Activities/
Assignments:** You will find all assignments on <http://webassign.net/> . Please use Mozilla Firefox or Google Chrome since WebAssign works best with these browsers. Unannounced quizzes may be administered in the classroom.

Assessment: Your overall grade will consist of the weighted average of your scores on the exams, homework quizzes, and the final exam. If it benefits you, the score you receive on the final exam will replace your lowest exam score.

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| Three exams | 60% (20% each) |
| Quizzes | 10% |
| Homework | 15% |
| <u>Comprehensive final exam</u> | <u>15%</u> |
| Total | 100% |

Grading Policy: The grading scale for this course is:

90 – 100 = A

80 – 89 = B

70 – 79 = C

60 – 69 = D

0 – 59 = F.

Make-up Policy: Make-up quizzes will only be given for students attending university sponsored events (such as student athletes traveling to meets), 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.

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, pagers, iPods, MP3 players, blue tooth devices, etc. during class. Cell phones and pagers 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.

Course Schedule: We will cover sections 4.1-4.3, chapter 10, chapter 11 (except 11.6), sections 12.1-12.2 and 13.1-13.4.

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 with a "W" is Friday June 26th.** 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.

Tutoring: Online tutorials can be found [here](#). 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.

Course Calendar:

| Math 2301 Summer I 2020 | | | | |
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| Wk | Date | Day | Sections | Description |
| 1 | 6/8/20 | Monday | Webassign resgistration | Look for the access key on your syllabus |
| | 6/9/20 | Tuesday | 4.1-4.2 | Matriz, Addition, subtractions, scalar multiplication. Matrix multiplication |
| | 6/10/20 | Wednesday | 4.3 and 10.1 | Matrix Inversion/ Limits numeracally and graphically |
| | 6/11/20 | Thursday | 10.2-10.3 | Continuity and limits algebraically |
| | 6/12/20 | Friday | 10.4-10.5 | Average rate of change/ Introduction to derivatives |
| | 6/14/20 | Sunday | HW sections 4.1-4.3 and chpater 10 | Complete HW 4.1-4.3 and chapter 10 via webassign, before 11:59 p.m. |
| 2 | 6/15/20 | Monday | Quiz Chapter 4 and 10 @ 11:59 p.m. via webassign. | Complete Quiz chpater 4 and 10 via webassign, before 11:59 p.m. |
| | 6/16/20 | Tuesday | 11.1-11.2 | Power rule derivatives/ Marginal Analysis |
| | 6/17/20 | Wednesday | 11.3-11.4 | Product/Quotient rule/ Chain rule |
| | 6/18/20 | Thursday | 11.5 | Logs and Exponents |
| | 6/19/20 | Friday | Exam I chapter 4 and 10 @ 11:59 p.m. | Complete Exam I via webassign before 11:59 p.m. |
| | 6/21/20 | Sunday | HW sections 11.1-11.5 | Complete HW 11.1-11.5 via webassign before 11:59 p.m. |
| 3 | 6/22/20 | Monday | Quiz chapter 11 and RETAKE EXAM I chapter 4 and 10 @ 11:59 p.m. | Complete Quiz chpater 11 via webassign, before 11:59 p.m. |
| | 6/23/20 | Tuesday | 12.1-12.2 | Maxima and Minima/ Applications |
| | 6/24/20 | Wednesday | 13.1-13.2 | Indefinite Integral/ Integral with u substitution |
| | 6/25/20 | Thursday | 13.3-13.4 | Definite integral |
| | 6/26/20 | Friday | Exam II Chpater 11 (11.1-11.6) | Complete Exam II via webassign before 11:59 p.m. |
| | 6/28/20 | Sunday | HW sections 12.1-12.2 and 13.1-13.4 | Complete HW 12.1-12.2 and 13.1--13.4 ia webassign before 11:59 p.m. |
| 4 | 6/29/20 | Monday | Quiz sections 12.1-12.2 and 13.1-13.4 and RETAKE EXAM II chapter 11 @ 11:59 p.m. | Complete Quiz chpater 12.1-12.2 and 13.1-13.4 via webassign, before 11:59 p.m. |
| | 6/30/20 | Tuesday | Exam III Sections 12.1-12.2 and 13.2 | |
| | 7/1/20 | Thursday | RETAKE EXAM III Chpater 12.1-12.2 and 13.1-13.4 | |
| | 7/2/20 | Friday | Final exam @ 11:59 p.m. | Complete Final exam via webassign beofre 11:59 p.m. |