THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF Mathematical Sciences

Course #: Math 2301
Course Title: Math for Social Sciences II
Credit Hrs: 3.0
Term: Summer I 2017
Course Meetings: MTWRF 11:40am-13:50pm
Location: Bell Hall 216
Prerequisite Courses: An adequate score on a placement examination, or Math 1320 or Math 1508 or TCCN Math 1314.
Course Fee: (if applicable) N/A
Instructor: Dr. Maria Pia Beccar Varela
Office Location: Bell Hall 216
Contact Info: Phone # 915-747-8038
E-mail address: mpvarela@utep.edu
Fax # 915-747-6502 (Math Department)
Emergency Contact: 915-747-5761 (Math Department)
Office Hrs: Monday 4:20-5:20pm – Thursday 4:20-5:20pm, but stop by anytime you need.
Strongly encouraged: TI-83 or TI-84 Calculator

Course Objectives (Learning Outcomes):
1. Use matrix algebra for different applications.
2. Learn the meaning and applications of the derivative.
3. Learn how to apply several Techniques of Differentiation
4. Learn the meaning and applications of the integral.

Chapter 4 - Matrix Algebra and Applications
Chapter 10 - Introduction to the Derivative
Chapter 11 - Techniques of Differentiation
Chapter 12 - Applications of the Derivative
Chapter 13 - The Integral

Course Activities/Assignments: I will assign homework, and quizzes (in class) that will be based in the textbook homework problems.
Assessment of Course Objectives: Exams: Two midterm exams will be given. There are no make-ups.
Quizzes and hw: Quized and hw will be given each week. There are no make-ups.
Final Exam: There is a comprehensive final exam.
Course Schedule:  Tentative Course Schedule:  
6/12 - 6/16  

6/19 - 6/23  

Exam #1 on Thursday, 6/22  
Chapter 11, Section 11.1 The Product and Quotient Rules. Calculation Though Experiment, Applications, Ex 4.

6/26 - 6/30  
Section 11.2 The Chain Rule.  
Chain Rule in Differential Notation, Example 5.  
Section 11.3 Derivatives of Logarithmic and Exponential Functions. Examples.  
Section 11.4 Implicit Differentiation, Examples.  
Chapter 12 Section 12.1 Maximum and Minima. Examples. Section 12.2 Application of Maxima and Minima. Section 12.3 The second Derivative. Differential Notation. Concavity. Section 12.4 Related Rates.

Exam #2 on Friday, 6/30  
Drop Deadline - Friday, June 30

7/3 - 7/7  
Chapter 13, Section 13.1. The Integral. Review.

Final Exam: Monday, July 10, 1:00pm-3:45pm
Grading Policy: Quizzes, homework and class participation 25%
Two in class exams 20% each
Final exam: 35%
The usual standard grading scale will be used (90-100% = A, 80-89% = B, 70-79% = C, etc.).

Make-up Policy: Make-up exams and quizzes will be given only in extraordinary circumstances, which must be documented as early as possible. No late homework accepted. There is no makeup final exam.

Attendance Policy: It is the student’s responsibility to attend every class, if you miss a class, you will miss a lot of information. If you try to go from one class to another without studying, you will most likely be completely lost during the next class. Students are expected to arrive for class on time and to remain for the class entire period. It is essential to pay attention in class and take legible notes. It is essential to read the textbook and work through the example problems given in the book and class. Failure to accomplish the above, as a minimum almost invariably ensures a less than satisfactory grade for this course.

The Drop Date is Friday June 30, 2017.

Final Exam: Monday, July 10, 1:00pm-3:45pm
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 http://www.utsystem.edu/bor/rules/homepage.htm

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: Calculators may not be shared during quizzes and exams. 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 any calls should be taken outside of class. Please do not wear headsets or blue tooth devices during class. Please don’t talk in class. 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 a student has or suspects she/he has a disability and needs an accommodation, he/she should contact The Center for Accommodations and Support services (CASS) at 747-5148 or at <cass@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

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.