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

Course #: 11782
Course Title: Stat 5385: Statistics in Research
Credit Hours: 3.0
Term: Fall 2018
Meetings: MW 1:30-2:50, Classroom Building C202
Prerequisite: Math 3323 and Stat 4380
Instructor: Ori Rosen
Office: Bell Hall 221
Contact Info: Phone: (915) 747-6843
E-mail: orosen@utep.edu
Office Hours: T 3–4, W 3–4


Description: The main topic of this course is regression analysis. Often one is interested in using sample data to investigate the relationships among a group of variables, ultimately to create a model for some variable that can be used to predict its future value. The process of finding a mathematical model that best fits the data is part of regression analysis. Topics include simple linear regression, inference, diagnostics, multiple linear regression, building a regression model and correlation. Statistical software (R) will be used throughout the course.

Activities: Students will be required to turn in assignments and take exams

Schedule: Midterm 1 (Wed, 10/10)
Midterm 2 (Wed, 11/12)
Final (Wed, Dec 12, 4:00 pm–6:45 pm)

Grading: Homework: 20%
Midterm 1: 20%
Midterm 2: 20%
Final: 40%
The midterms will be noncumulative. The final exam will be cumulative. You will be allowed to bring one 8.5” × 11” handwritten sheet of notes, written on both sides, to the first two exams, and two 8.5” × 11” handwritten sheets to the final. You will also need to bring a calculator. You may not share a calculator on the exams.

Make-up Policy: Late homework will not be accepted. No makeup exams will be given
**Attendance:** Required.

**Academic Integrity:** Violations of academic integrity, including unauthorized submission of work performed by others, will be pursued vigorously to result in the most severe sanctions. Please refer to UTEP’s policy cited in [www.utep.edu/student-affairs/osccr/](http://www.utep.edu/student-affairs/osccr/)

**Civility Statement:** No text messaging in class. Please silence cell phones before coming to 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/student-affairs/cass/](http://www.utep.edu/student-affairs/cass/).  

**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 your instructor as soon as possible.