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

Course #: STAT 4385
Course Title: Applied Regression Analysis
Credit Hrs: 3
Term: Spring 2014
Course Meetings & Location: TR 4:30 - 5:50pm Bell Hall 143
Prerequisite Courses: STAT 2480 or STAT 3330
Instructor: Naijun Sha
Office Location: Bell Hall 203
Contact Info: Phone # 747-6844
                  E-mail nsha@utep.edu
                  Fax # 747-6502
Office Hrs: MW: 1:00-2:00pm or by appointment
Textbook(s), Materials: Required: A Second Course in Statistics, Regression Analysis, 7th Edition by Mendenhall & Sincich

Course Objectives (Learning Outcomes): Students will learn to apply appropriate statistical techniques on model building, fitting, validation and subsequent inferences for various problems. Through assigned homework, class discussions and hands-on labs, students will also acquire skills to identify real problems that require advanced mathematical and statistical knowledge. The course will cover statistical inference (hypothesis tests and confidence intervals), simple and multiple linear regression, experimental design.

Course Activities/Assignments: Homework and data analysis projects will be assigned throughout the semester. You may do the exercises with your partner, but each student must answer the questions individually. ZERO grades will be obtained for those whose solutions are the exact copies of someone else’s. NO LATE HOMEWORK WILL BE ACCEPTED

Assessment of Course Objectives: Homework, Exam/Project
Course Schedule: Midterm I: Midterm II: Final Exam/Project: 05/13/14 4:00-6:45pm
Grading Policy: Homework 20%
                  Midterm Exam I 20%
                  Midterm Exam II 20%
                  Final Exam/Project 40%
                  The final grade is based on a scale of 90-100 = A, 80-89 = B, 70-79 = C, 60-69 = D, below 60 = F. Attendance and class participation will be used to help decide borderline grades
Make-up Policy: IF you notify me BEFORE the exam AND have a university excuse for missing the exam, you may take the make-up exam arranged by the instructor
Attendance Policy: Class attendance is required
Civility Statement: Please turn off cell phones during classes
Disability Statement: If a student has or suspects she/he has a disability and needs an
accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at <dss@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS 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 course of the semester, you are encouraged to contact as soon as possible