Course #: 27700
Course Title: Stat 5428: Introduction to Statistical Analysis
Term: Spring 2016
Meetings: Classes: TR 9:30–10:50, Health Sciences/School of Nursing 219,
Labs: TR 11:00–11:50, Bell Hall 130
Instructor: Dr. Ori Rosen
Office: Bell Hall 221
Contact Info: Phone: (915) 747-6843
E-mail: ori@math.utep.edu
Office Hours: TR 4–5
Grader: TBA
Description: Fundamental techniques for statistical data analysis, including basic probability concepts, inference about means and variances of two populations, analysis of variance and covariance, least squares and logistic regression, categorical data analysis, nonparametric tests and experimental design. Analysis of biological and other data sets using statistical software, checking validity of modeling assumptions, and alternatives when modeling assumptions are not satisfied. The free statistical package R (www.r-project.org) with RStudio (www.rstudio.com) will be used throughout the course. RMarkdown (http://rmarkdown.rstudio.com) will be used to write homework solutions.
Activities: Students will be required to turn in assignments and to take exams.
Schedule: Midterm 1, Thu, Feb 25
Midterm 2, Thu, Apr 7
Spring Break, Mar 7–11
Final, Tue, May 10, 10:00-12:45
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.

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 sa.utep.edu/osccr/academic-integrity/

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.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 course of the semester, you are encouraged to contact your instructor as soon as possible.