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

Course #: STAT 5380  
Course Title: Mathematical Statistics I  
Credit Hrs: 3  
Term: Fall 2018  

Course Meetings & Location: TR 1:30 - 2:50pm C301  
Prerequisite Courses: STAT 3330 or its equivalent  
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: Statistical Inference, 2nd edition by G. Casella and R. Berger  

Course Objectives (Learning Outcomes): The probabilistic foundations of mathematical statistics. Topics covered: Probability spaces, random variables, univariate and multivariate probability distributions, conditional distributions, expectation, generating functions, multivariate transformations, modes of convergence, and limit theorems. Through assigned homework and class discussions, students will also acquire skills to identify real problems that require advanced mathematical and statistical knowledge.  

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  

Course Schedule: Midterm I: TBD  
Midterm II: TBD  
Final Exam: 12/13/18 1:00pm-3:45pm  
Drop/Withdrawal Deadline: 11/02/18  

Grading Policy: Homework 20%  
Exam I 20%  
Exam II 20%  
Final Exam 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