

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

Course #: STAT 4380 (CRN 12291)  
Course Title: Statistical Inference  
Credit Hrs: 3  
Term: Fall 2024 (Instruction 08/26/2024 Monday – 12/05/2024 Thursday)  
Course Meetings & Location: 10:30 am – 11:50 am MW Bell Hall 130A  
Prerequisite Courses: STAT 3330 with a grade of "C" or better.  
Instructor: Xiaogang Su  
Office Location: Bell Hall 320  
Contact Info: Phone: (915) 747-6860 [O]  
[xsu@utep.edu](mailto:xsu@utep.edu)  
Fax: (915) 744-6502  
Office Hours: 1:00-2:00pm MW or by appointment  
Class Web page: Blackboard  
Textbook(s), Materials: Leemis, L. (2020) *Mathematical Statistics*. Lightning Source.  
ISBN-10: 0982917465 ISBN-13: 978-0982917466  
URL: <https://www.amazon.com/Mathematical-Statistics-Lawrence-Leemis/dp/0982917465>

Devore, J. L. and Berk, K. N. (2012). *Modern Mathematical Statistics with Applications*, 2nd Edition. New York, NY: Springer.  
ISBN 978-1-4614-0390-6

Course Description and Learning Outcomes: A calculus-based development of statistical concepts and methods. Distribution theory, point and interval estimation and hypothesis testing in parametric statistical models, chi-square goodness-of-fit and contingency table analysis, simple linear regression analysis, introduction to analysis of variance.

Course Schedule:

09/02	Labor Day
11/01	Course Drop Date
11/28 - 11/29	Thanksgiving Holiday
12/09 - 12/13	Final Exam Week

**Grading Policy:** There will be three midterms and one comprehensive final exam, plus several assignments, which altogether add up to the final grade. Additional practice problems will be made available on the course web page but will not be collected or graded. But you are highly recommended to do these exercise problems regularly and independently.

	<b>Date and Time</b>	<b>Proportion</b>
Midterm Exam I	09/18 Wednesday 10:30–11:50 am	20%
Midterm Exam II	10/16 Wednesday 10:30–11:50 am	20%
Midterm Exam III	11/13 Wednesday 10:30–11:50 am	20%
Homework & Quizzes	TBA	20%
Final Exam	TBA	25%

Letter grades are determined according to the following scale below. Note these raw final scores are out of 105 with five extra credits; however, the extra credits are only applicable to those who complete all assignments and exams without any unexcused absence. Besides, graduate students will be given extra work for this course to be counted as graduate credits.

**Grade Score**

A	> 90
B	80-89
C	70-79
D	60-69
F	<60

**Make-up Policy:** Incomplete grades and make-up exams are given only in extreme instances and only with prior permission of the instructor. All assignments must be turned in on time. No late coursework or assignment will be accepted, except extreme scenarios.

**Attendance Policy:** Class attendance is required. Students are expected to actively participate in class discussions and group activities. A late arrival of 15 minutes or more will be considered as an absence. Students will be dropped for **four or more** unjustified absences from class or lab session. Any unjustified absences from class or lab session will cause loss of eligibility of receiving extra credits. If you expect to miss up to **10 class hours** for ANY REASON, then please do not consider taking this course.

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, 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.

UTEP College of Science Policies: The UTEP Fall 2024 drop/withdraws deadline is November 1st, 2024. The College of Science will remain aligned with the University and not approve any drop requests after that date.

All grades of Incomplete must be accompanied by an Incomplete Contract that has been signed by the instructor of record, student, departmental chair, and the dean. Although UTEP will allow a maximum of one year to complete this contract, the College of Science requests it be limited to month based upon completion data. A grade of Incomplete is only used in extraordinary circumstances confined to a limited event such as a missed exam, project, or lab. If the student has missed a significant amount of work (e.g. multiple assignments or tasks), a grade of Incomplete is not appropriate or warranted.