

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

Course #: STAT 3320 (CRN 16990)
Course Title: Probability and Statistics
Credit Hrs: 3
Term: Fall 2025 (Instruction 08/25/2025 – 12/04/2025)
Course Meetings & Location: Online Asynchronously
Blackboard & Zoom
Prerequisite Courses: MATH 1312 (Calculus II) with a grade of C or higher. As stated in the catalogue: “Prereq of Calculus II General Requirements: (Course or Test: Mathematics 1312 Minimum Grade of C May not be taken concurrently.) or (Course or Test: Mathematics 2313 Minimum Grade of C May not be taken concurrently.) or (Course or Test: Mathematics 2326 Minimum Grade of C May not be taken concurrently).”
Instructor: Xiaogang Su
Office Location: Bell Hall 320
Contact Info: Phone: (915) 747-6860 [O]
xsu@utep.edu
Fax: (915) 744-6502
Office Hours: 2:00-3:00 pm MW
Class Web page: Blackboard
Textbook(s), Materials: Required: Devore, J. L. (2015). *Probability and Statistics for Engineering and Statistics*, 9th edition. Cengage Learning. ISBN-13: 978-1305251809
Book Website: <https://www.webassign.net/features/textbooks/devorestat9/details.html?!=search#>
Course Description and Learning Outcomes: By the end of this course, students should be able to read a word problem, realize the uncertainty that is involved in a situation described, select a suitable probability model, estimate and test its parameters on the basis of real data, compute probabilities of interesting events, and make appropriate conclusions. This course covers theory and applications of probability models, random variables, discrete and continuous probability distributions, joint and conditional distributions, sampling distributions, central limit theorem, hypothesis testing, confidence intervals, and exposure to simple linear regression. Time-to-failure probability models are considered. Students may not receive credit for both STAT 3320 and STAT 3330.
Course Activities/Assignments: The course will be taught ONLINE. Homework (and computer projects) will be assigned throughout the semester. We will also have midterm exams, pop quizzes, and a final exam. NO LATE COURSEWORK WILL BE ACCEPTED, EXCEPT EXTREME SCENARIOS.

Important Dates:	Aug 25th	Fall classes begin
	Sept 1 st	Labor Day
	Oct 31st	Fall Drop/Withdrawal deadline
	Nov 27-28th	Thanksgiving Holiday
	Dec 4th	Fall last day of classes
	Dec 8-12th	Fall Final Exams
	Dec 17th	Grades are due

Grading and Make-up Policy: Homework assignments and (optional) R or Python-based projects will contribute 30% to your final grade. Three midterm exams, each worth 15%, and a comprehensive final exam, worth 25%, will also be included. Late project submissions will not be accepted without valid reasons. No make-up exams will be offered; however, if you miss an exam for a justified reason, your remaining exams will be reweighted accordingly.

	Date and Time	Proportion
Midterm Exam I	TBA	15%
Midterm Exam II	TBA	15%
Midterm Exam III	TBA	15%
Homework	See class website	30%
Final Exam	TBA	25%

Letter grades are determined according to the following scale.

Grade Score

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

Attendance Policy: While this online asynchronous class does not require attendance at specific times, you are responsible for keeping pace with the course. This includes watching lecture videos, studying course materials, completing homework assignments, and attending all exams on time. Staying on track ensures you can fully engage with the content and succeed in the course.

Academic Integrity Policy: Please see <http://academics.utep.edu/Default.aspx?tabid=23785>

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 me as soon as possible.

UTEP College of Science
Policies

Watch out for the UTEP drop/withdraws deadline for the semester. 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.