

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

Course #: STAT 3320 (CRN 12373)
Course Title: Probability and Statistics
Credit Hrs: 3.0
Term: Fall 2020
Course Meetings & Location: Online class
Live Zoom meetings: MW 12:00 pm – 1:20 pm
(Recorded videos will be provided on Blackboard)
Prerequisite Courses: MATH 1312 (Calculus II) with a grade of C or higher
Course Fee: N/A
Instructor/TA: Dr. Michael Pokojovy / NN
Office Location: Bell Hall 227
Contact Info: Phone: (915) 747-6761
E-mail address: mpokojovy@utep.edu
Fax # 915-747-6502 (Math Department)
Emergency Contact: 915-747-5761 (Math Department)
Virtual Office Hrs: Instructor: W 2-3 pm, TA: TBA
Textbook(s), Materials: Required: J.L. Devore (2015) *Probability and Statistics for Engineering and the Sciences*, 9th edition, Cengage Learning. ISBN-13: 978-1305251809
<https://www.cengage.com/c/probability-and-statistics-for-engineering-and-the-sciences-9e-devore/9781305251809PF/>
Recommended: N/A
Course Description and Learning Outcomes: By the end of this course, the students will learn to formally interpret real-world problems, understand uncertainty that is involved in respective situations, choose/develop appropriate probabilistic models, estimate its parameters and perform tests on the basis of real data, compute probabilities of various events and make appropriate conclusions, etc. This course will cover 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 elements of simple linear regression. Time-to-failure probability models will also be considered.
N.B.: Students will not receive credit for both STAT 3320 and STAT 3330.
Course Activities/Assignments: This is an online class. Homework (including computer projects) will be regularly assigned and quizzes will be given based on the textbook and homework problems. Homework will include reading assignments, problem sets and/or computer projects. It is expected that you spend an absolute minimum of 10 hours a week on solving homework problems, reading the textbook and reviewing your class notes. There will be two midterm exams and one final exam.

Assessment of Course *Midterm exams:* Two midterm exams will be given.
Objectives: *Quizzes and homework:* Homework (including computer projects) and quizzes will be regularly assigned.
Final Exam: There will be a (non-comprehensive) final exam.

NO LATE COURSEWORK WILL BE ACCEPTED, EXCEPT FOR EXTREME SCENARIOS AS DEEMED BY THE INSTRUCTOR.

Course Schedule:

- Duration: 8/24/2020 – 12/3/2020
- Midterm exam #1: Mon, 10/12/2020
- Midterm exam #2: Mon, 11/09/2020
- Final exam: Mon, 12/7/2020
- Course drop deadline: Fri, 10/30/2020 (No “W” will be assigned for dropping the course after the deadline!)

Class Recordings: The use of recordings will enable you to have access to class lectures, group discussions, and so on in the event you miss a synchronous or in-person class meeting due to illness or other extenuating circumstance. Our use of such technology is governed by the Federal Educational Rights and Privacy Act (FERPA) and UTEP’s acceptable-use policy. A recording of class sessions will be kept and stored by UTEP, in accordance with FERPA and UTEP policies. Your instructor will not share the recordings of your class activities outside of course participants, which include your fellow students, teaching assistants, or graduate assistants, and any guest faculty or community-based learning partners with whom we may engage during a class session. You may not share recordings outside of this course. Doing so may result in disciplinary action.

Grading Policy: *Quizzes and homework:* 40%
Two midterm exams: 20% each
Final exam: 20%

The usual grading scale will be used for this course (90–100% = A, 80–89% = B, 70–79% = C, 60–69% = D, 0–59% = F). Academic performance in this class will be the only factor used in determining the course grade. No extra credit work will be available to improve on any grade.

Make-up Policy: Make-up tests will only be given under extraordinary circumstances (as determined by the instructor) which must be reported to the instructor and documented (if requested) prior to the exam/quiz. There will be no make-up final exam.

Attendance Policy: This is an online class. Students are strongly encouraged to attend all online meetings and participate in all activities. It is also important to read the textbook and work through the example problems given in the textbook and the class. Failure to accomplish the above – at minimum – will almost invariably ensure a less than satisfactory grade for this course.

Scholastic Integrity Policy: Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the Office of Student Conduct and Conflict Resolution (OSCCR) for possible disciplinary action. To learn more, please visit [HOOP: Student Conduct and Discipline](#).

Technology Requirements Course content is delivered via the Internet through the Blackboard learning management system. Ensure your UTEP e-mail account is working and that you have access to the Web and a stable web browser. You will need to have access to a computer/laptop, scanner, a webcam and a microphone.

IMPORTANT: If you encounter technical difficulties beyond your scope of troubleshooting, please contact the UTEP Help Desk as they are trained specifically in assisting with technological needs of students. The instructor and the TA are *not* responsible for this sort of assistance!

Netiquette: Communication online can be challenging. Therefore, please keep these netiquette (network etiquette) guidelines in mind. Failure to observe them may result in disciplinary action.

- Always consider audience. This is a college-level course; therefore, all communication should reflect polite consideration of other's ideas.
- Respect and courtesy must be provided to classmates and to the instructor at all times. No harassment or inappropriate postings will be tolerated.
- When reacting to someone else's message, address the ideas, not the person.
- Blackboard is *not* a public internet venue; all postings to it should be considered private and confidential. Whatever is posted on in these online spaces is intended for classmates and instructor only. Please do not copy documents and paste them to a publicly accessible website, blog and/or other space.

Copyright Statement for Course Materials: All materials used in this course are protected by copyright law. The course materials are only for the use of students currently enrolled in this course and only for the purpose of this course. They may not be further disseminated.

Disability Statement and Accommodations Policy The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). Contact the Center for Accommodations and Support Services at 915-747-5148, or email them at cass@utep.edu, or apply for accommodations online via the CASS portal.

COVID-19 Accommodations Students are not permitted on campus when they have a positive COVID-19 test, exposure or symptoms. If you are not permitted on campus, you should contact the instructor as soon as possible so we can arrange necessary and appropriate accommodations.

Resources: UTEP provides a variety of student services and support:
Technology Resources

- Help Desk: Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus.

Academic Resources

- UTEP Library: Access a wide range of resources including online, full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.
- Math Tutoring Center (MaRCS): Ask a tutor for help and explore other available math resources.

Individual Resources

- Military Student Success Center: Assists personnel in any branch of service to reach their educational goals.
- Center for Accommodations and Support Services: Assists students with ADA-related accommodations for coursework, housing, and internships.

Last updated: 8/20/2020

Disclaimer: This syllabus may be subject to changes if these are deemed necessary by the instructor.
Despite all efforts, this syllabus may contain typos and errors.