

THE UNIVERSITY OF TEXAS AT EL PASO

COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

COURSE BASICS

Course Number: STAT 3320: CRN 31892
Course Title: Probability and Statistics for Computer Scientists
Credit Hours: 3
Term: Summer 2024
Meeting and Location: Online - The course is entirely online via WebAssign and Blackboard
Prerequisite Courses: MATH 1312: Calculus II

INSTRUCTOR INFORMATION

Instructor: Christy Mielke
Office Location: Bell Hall 144(Not on campus for the summer)
Online Only - Zoom meeting link on Blackboard (by appointment)

Contact Info: E-mail address chmielke@utep.edu
Emergency Contact: (915)747-5761 (Math Department)

COURSE COMMUNICATION:

How we will stay in contact with each other:

Email: UTEP e-mail is the best way to contact me. I will make every attempt to respond to your e-mail within 24 hours of receipt. When emailing me, be sure to email from your UTEP student account, and please put the **course number (Stat 3320) in the subject line**. In the body of your e-mail, clearly state your question. Evening and weekend emails will be attended to during regular business hours. Other times at the discretion of the instructor.

Student Office Hours:

Office hours are a time if you would like to get live-virtual help, you may attend my office hours (one-on-one by appointment only) or Mr. David Amakye's Zoom office hours (Course TA, his office hours are Tuesday and Thursday - from 10 am to 11 am. Wednesday from 5 pm to 6 pm. The Zoom links are posted on the homepage of the Blackboard.

Please note that the office hours are strictly for helping with homework problems. They are not for lecturing. You will need to utilize all resources available first. Come prepared with the problems that you need help with.

My Office Hours: via Zoom (one-on-one) by appointment through email.

TA Office Hours: TA's Zoom office hours link is posted on the homepage on Blackboard.

Announcements: Check the announcements posted on Blackboard and your UTEP e-mail frequently for any updates, deadlines, or other important messages.

REQUIRED TECHNOLOGY AND MATERIALS

Textbook

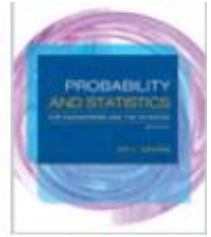
Probability and Statistics for Engineering and the Scientists by Jay. L. Devore 9th Edition.

Required

You must have the Enhanced WebAssign access code. This gives you full access to both the assignments and the e-book.

Optional

A hard copy of the textbook is available but not required for the class. The e-book is adequate and comes with the required access code.



Calculator

A Scientific Calculator with the permutation/combination key is required (example: TI-30XIIS). A graphing calculator similar to a TI-83 or TI-84 is recommended.

Online Components

You are required to have a WebAssign homework account.

Ensure your **UTEP e-mail account** is working and that you have consistent access to the internet and a stable web browser. [Mozilla Firefox](#), [Google Chrome](#), and [Safari](#) are the most supported browsers for both Blackboard and WebAssign.

You will need to have regular access to a computer or laptop. Your cell phone is not sufficient for doing coursework. You will need to download or update the following software:

- Microsoft Office (available for free through UTEP),
- [Adobe](#),
- [Windows Media Player](#) or [QuickTime Player](#), and
- [Java](#).

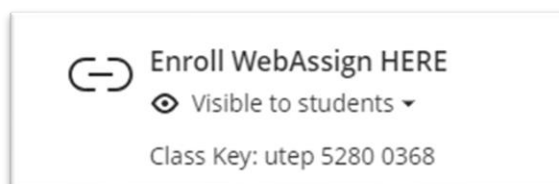
Blackboard

Inside the Blackboard course, you will be able to see announcements and course materials. You will be able to access PowerPoint on Blackboard. Worksheets and lecture videos for each chapter that include notes and practice problems with solutions. These specific sets of materials will help prepare you for your homework assignments and subsequently your exams.

WebAssign

WebAssign is an online Course Management System of Cengage, the publisher of our text. You must have reliable internet to take this course.

Option 1) To enroll in my class, use the WebAssign link located in the Blackboard, in the folder “ START HERE”.



- Please use your **UTEP miners e-mail account and the official UTEP name you registered for this class.** Remember your password.
- Next time you log in, click "Log In" and enter your *UTEP miners e-mail* and the password you created.
- The course view can be toggled between **Assignments and Course View**, I recommend Course View.

Option 2) To enroll in my class, **use the link below to register** for WebAssign using your **official UTEP email account.**

<https://www.getenrolled.com/?courseKey=utep52800368>

You only need to **register once.** The next time that you need to log in to WebAssign, visit www.webassign.net, click on "SIGN IN", enter your credentials, click on "My Courses", then click on the textbook for our class.

You are required to purchase an access code to log in as soon as possible and before the grace period ends. If you purchased a new book from the **UTEP bookstore**, the code should have come with it. **When entering the code, enter all the words and characters in the boxes appropriately.**

You may also choose to purchase the access code directly from within **WebAssign.**

You have three (3) days of free WebAssign access. **The free trial ends on Thursday, June 13.**

WebAssign Resources

You will have access to the eBook from within your WebAssign homepage. You will also be able to access and view lecture videos that Cengage has created for each section of the book.

You will be able to view your **current grades** and all the **due dates** for the assignments for this course.

COURSE OVERVIEW

Course Objectives and Learning Outcomes

Students will be able to read a word problem or a corporate report, realize the uncertainty that is involved in a situation described, select a suitable probability model, estimate and test its parameters based on real data, compute probabilities of interesting events, and other vital characteristics, and make appropriate conclusions and forecasts. This course is designed to satisfy the Accreditation Board of Engineers and Technology requirements for probability and statistics.

Assignments:

You will find all assignments on www.webassign.net. Please use Mozilla Firefox, Google Chrome, or Safari since WebAssign works best with these browsers. All work, including homework, extra credit assignments, and exams, will take place through WebAssign. Nothing is to be turned in or completed via email or Blackboard.

Three exams and a comprehensive final exam will be given. There is no retake for all exams.

Resources:

Tutoring

The MaRCS tutoring center offers free tutoring for math classes; their website has more information:

<https://www.utep.edu/science/math/marcs/>

There are several useful features in WebAssign designed to give extra help. **These include "Watch it" and "Master it" links.** These are publisher-created and are enabled for any homework question in which they are available.

Your class TA is also available during office hours to help with questions.

Class Activity Settings

Homework Assignments

All homework will be completed on WebAssign. Each question has 5 attempts. I recommend you get help after the 3rd incorrect submission rather than waiting until you are out of attempts to get help.

The **Ask Your Teacher** Feature of WebAssign is the best way to ask questions about your homework as it shows me the entire problem. You are encouraged to use this as the first method of contact whenever you have homework questions.

Exams

To review for each exam, an exam review will be available before the exam date, on WebAssign. The review is **a homework score**, so be sure to complete the reviews. The exams will be available on WebAssign and the date specified due dates are listed below.

The exam itself is timed at 120 minutes (two hours) and will have an accessible scientific calculator. You have **two attempts** at each problem.

- Exam 1: Available from Monday, June 17, 12:00 am to Tuesday, June 18, 11:59 pm Mountain Time
- Exam 2: Available from Tuesday, June 25, 12:00 am to Wednesday, June 26, 11:59 pm Mountain Time
- Exam 3: Available from Friday, July 5, 12:00 am to Saturday, July 6, 11:59 pm Mountain Time

If you choose to start an exam less than 120 minutes before the due date, the exam will conclude at the due date, and your answers will be auto-submitted.

Final Exam - Comprehensive

This is a comprehensive exam and is required for all students. Remember, the final exam is worth 25% of your overall course grade. The final exam is timed **at 165 minutes (2hr 45min)** and will have an accessible scientific calculator.

The password for the final exam is the word **ready**.

- Available from Monday, July 8, 12:00 am to Wednesday, July 10, 11:59 pm MT
The final exam is timed at 165 minutes (2hr 45min) and will have an accessible scientific calculator.

Timed Assignments

For all timed assignments, **the clock begins once you open the assignment. This** clock will not stop for any reason, not even if you log out. For this reason, it is important to check for any updates on your computer before beginning the timed assignments. The due date will change to reflect the time limit for timed assignments once you begin the exam.

Please note: should you have circumstances beyond your control preventing you from completing the exam or quiz in the allotted time, you may email your instructor for more time, but be prepared to provide supporting documentation – such as a screenshot of the issue, or internet outage report for your area.

Extra Credit: You can earn extra credit on extra credit assignments in WebAssign. There is **a total of six extra credit assignments**. They are counted as an **extra 2%** towards your homework final scores.

Course Schedule:

- | | |
|-------------|---|
| • June 10th | First Day of Classes |
| • June 12th | Census Day (Last day to drop without a W) |
| • July 1st | Drop Day (Last day to drop with a W) |
| • July 8th | Last Day of Class |

Grading Policy

25%	Homework Assignments
15%	Exam I
15%	Exam II
15%	Exam III
30%	Final Exam

Letter grades are determined according to the following scale:

Grade	Score
A	90-100
B	80-89
C	70-79
D	60-69
F	<60

Drop Policy

The Drop Date for this semester is Monday, July 1, 2024, before 5:00 PM Mountain Time. No drops will be approved after this date or time.

Students who decide to drop the course must process a drop form by emailing records@utep.edu. Please note that the College of Science will remain aligned with the university and **will not approve any drop requests after that date.**

Incomplete Grade Policy

Incomplete grades may be requested only in exceptional circumstances after you have **completed at least half of the course requirements.** Talk to me immediately if you believe an incomplete is warranted. If granted, we will establish a contract of work to be completed within the deadlines.

ADDITIONAL COURSE POLICIES AND STATEMENTS

Make-up Policy

Homework

One (1) extension per homework assignment can be requested within 24 hours after the due date. To do so, log in to WebAssign and click on My Assignments then Past Assignments. Scroll to the assignment you want to extend and click Request Extension. Select "Automatic" and "Accept" the extension. You will have 24 hours from the time that you click "Accept" to complete the extended assignment. **Note and pay close attention to the new due date and time.** You will not be penalized for submitting late work. However, it is best to turn in your homework assignments by the original due date so that you are ready for exams and do not fall behind.

WARNING: Do NOT view the answer key to a homework assignment before requesting an extension for it. You will be denied an extension from both WebAssign and from me if you view the answer key.

****All homework must be completed before the opening window of the exams****

University-Sponsored Events:

These include conferences, student-athlete competitions, etc. The student needs to inform me of any traveling conflicts before leaving and plan to make adequate arrangements to make up the missed material within one week of returning. Failure to do so will result in the forfeiture of points.

Exams

A make-up exam will only be given in extraordinary circumstances such as severe illness or death in the immediate family, and with appropriate documentation (e.g., doctor's note).

Alternative Means of Submitting Work in Case of Technical Issues

I strongly suggest that you submit your work with plenty of time to spare if you have a technical issue with the course website, network, and/or your computer. I also suggest you save all your work (answers to homework, quizzes, and exams) in a separate Word document or hand-written notebook as a backup. This way, you will have evidence that you completed the work and will not lose credit. If you are experiencing difficulties submitting your work through the course website, please contact the [UTEP Help Desk](#).

You can email me your backup document as a last resort. You must also have proof of the technical issue with either a screenshot of the WebAssign issue or an email from your internet provider about an outage in your area.

Attendance Policy:

As with every college course, attendance is essential for success. Try not to be absent unless it is necessary. If possible, it is better to let me know ahead of time when you will be absent. If you are absent, it is your responsibility to find out which assignments you need to make up.

You are expected to work toward the completion of the course assignments daily. Attendance in this course is measured by the completed tasks. Failing to complete tasks is equivalent to being absent.

Failure to complete assignments for several weeks may result in you being dropped from the course.

You are expected to check Blackboard and your UTEP miner's e-mail regularly for announcements as well as the WebAssign Announcement section.

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, the 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, and any act designed to give an 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

<https://www.utsystem.edu/offices/board-regents/regents-rules-and-regulations>.

All students are expected and required to obey the law, comply with the Regents' Rules and Regulations, with System and University rules, with directives issued by an administrative official during his or her authorized duties, and 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.

Course Netiquette Policy:

All correspondence with your instructor, TA, and other students should be conducted appropriately and professionally. Please be considerate of your tone and word choice when conducting correspondence.

Accommodation 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 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 to the University. Students requesting 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, email them at cass@utep.edu, or apply for accommodations online via the CASS portal.

COVID-19 Precautions

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can support you and help with communication with your professors. The Student Health Center is equipped to provide COVID-19 testing.

The Centers for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit epstrong.org

Please contact me immediately if you fall ill during the semester so that we can work together to formulate a strategy to help you get caught up as soon as you are physically able.

Military Statement:

If you are a military student with the potential of being called to military service or training during the semester, you are encouraged to contact me as soon as you receive your orders.

Copyright Statement:

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 this course. They may not be further disseminated.

COURSE RESOURCES

Where you can go for assistance UTEP provides a variety of student services and support:

Academic and 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 \(MaRCS\)](https://www.utep.edu/science/math/marcs/)**: Ask a tutor for help and explore other available math resources. Their website has more information: <https://www.utep.edu/science/math/marcs/>

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.
- **[Counseling and Psychological Services](#)**: Provides a variety of counseling services including individual, couples, and group sessions as well as career and disability assessments.

Health

- UTEP counseling center, Student Health and Wellness Center
- El Paso coronavirus hotline (915) 212-6843, El Paso COVID-19 information,
- El Paso's 24-hour Mental Health Crisis Line (915) 779-1800
- National Suicide Prevention Hotline or Veterans Crisis Line 1-800-273-8255
- NAMI (National Alliance Against Mental Illness) of El Paso (915) 534-5478