

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE

Department Of Mathematical Sciences – Calculus 2 Syllabus

Course Number: Math 1312 CRN 11620
Course Title: Calculus 2
Credit Hours: 3
Term: Fall 2023
Meeting and Location: None – course is entirely online via WebAssign and Blackboard

Prerequisite Courses: C or better in Math 1411. (“S” is acceptable)

Instructor Information

Instructor: Dr. Louise Guthrie

Office Location: Online Only

Office Hours

For the first week of classes, I will hold an office hour TWR from 4-5 via zoom. Use the following link: [Dr. Guthrie office hours](#). Please make an appointment with me via email if you need help at another time. lguthrie@utep.edu.

Starting in week 2 the office hours and the links to them will be posted in blackboard.

Office hours are a time where you can get individualized help. We are available to answer questions about course content and address any concerns you have about the class. During scheduled times, you may drop in without an appointment. You are not required to attend the sessions if you do not have questions. If you do need help, and cannot attend during the scheduled times, please email me to schedule an appointment.

Contacts

Instructor email: lguthrie@utep.edu, or through ask your teacher at the top of each problem

REQUIRED TECHNOLOGY AND MATERIALS

Textbook

Required: Calculus 2 by Larson, UTEP last edition or Calculus by Larson 12th edition (available as e-book and hardcover)

You must have the Enhanced WebAssign access code. This gives you the full access to both the assignments and the e-book. Although a hard copy of the textbook is available, it is not required for the class. The e-book is adequate and comes with the required access code.

Calculator

A Scientific Calculator is suggested (example: TI-83 or TI-84)

Online Components

You are required to have a Webassign account and the Enhanced WebAssign access code.

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.

WebAssign

WebAssign is an online Course Management System of Cengage, the publisher of our text . You must have reliable internet in order to take an online course. Use the instructions below to access and register for WebAssign. You will have a 14-day free trial so that you may access your coursework immediately.

Instructions to access and register for WebAssign:

- 1) On the first day of classes, please click on the following link: [your web assign KEY](#)
- 2) Click ACCESS COURSE , and then on the next screen, please check that the section number and instructor name are correct. (In your case, it should say Louise Guthrie Math 1312 and CRN 11620). If so, hit continue.
- 3) Now you should enter your information if you already have a Cengage account, and if not, click on **create account** and then enter your information. Please use your official UTEP miners' email and remember the password you create.
- 4) The next time you log in, you will not need to do the steps above. Just go to [webassign.net](#) click on "Log In" and enter your *UTEP miners e-mail* and the password you created.

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.

COURSE OVERVIEW

Course Objectives

Students will have a clear understanding of the concepts and techniques listed below under Learning outcomes.

Learning Outcomes

Students are expected to have a clear understanding of the following concepts and techniques:

- Use integration to find the area between curves, volumes, center of mass, and average value of a function among other applications.
- Evaluate integrals by using integration by parts, trigonometric substitutions, or change of variable.
- Evaluate rational functions' integrals by the method of partial fractions
- Recognize improper integrals, their convergence and whenever it is possible, evaluate them.
- Sequences: convergence of sequences and limits.
- Series: determine the ratio of convergence, study convergence by using comparison, p-series and alternating series tests.
- Interval of convergence for power series, apply Taylor's theorem to find polynomial approximations for functions.

Activities and 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, quizzes, and exams, will take place through WebAssign.

Lecture videos

You will have course PowerPoint and video access through the Resources section of WebAssign. You can click on resources at the bottom of your WebAssign homepage and you will be able to access PowerPoint lectures from the publisher as well as the Cengage lecture videos for each section that we cover.

There are several useful features in WebAssign designed to give extra help. These include "Watch it" and "Master it" links.

Homework Assignments

All homework will be completed on WebAssign. Each question has 5 attempts. We 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 of asking your homework questions as it shows me your entire question. Please use this as your first method of contact on homework questions.

Quizzes

After a few sections of homework, you will have a 90-minute timed quiz over that material. The quizzes may contain problems you have not seen previously, but they will be based on the same concepts.

The password for all quizzes is the word **ready**.

Each question has 3 attempts. If you choose to start a quiz less than 90 minutes before the due time, the quiz will conclude at the end of the due date and your answers will be auto submitted.

There are no retakes or extensions on quizzes, but you may work ahead and take them early. If you know you have to miss on the due day - please make sure you complete the quiz early.

Exams

To review for each exam, an exam review (Practice test) will be available one week prior to 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 for a 24-hour period on the date specified by the course calendar and listed below. The exam itself is timed at 120 minutes (two hours).

The password for all exams is the word **ready**.

Exam 1 **Friday September 27, 2024**

Exam 2 **Friday November 1, 2024**

FINAL **See below**
Exam

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

Final Exam

The final exam will be available **on Tuesday** of finals exam week. This exam is comprehensive and is required for all students. In this class, the final exam is worth 35% of your course grade. The final exam is timed at 165 minutes (2hr45min) and will have an accessible scientific calculator. Once you click on the link for the exam, the timer starts.

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

Timed Quizzes and Exams

All quizzes and exams are timed. The clock begins once you click on the quiz or exam to open it. 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 prior to beginning the quiz or exam.

Grading Policy

You will be graded on homework, quizzes, and exams.

| | |
|-----|----------------------|
| 10% | Homework Assignments |
| 15% | Quizzes |
| 20% | Exam I |
| 20% | Exam II |
| 35% | 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 |

Drop Policy

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

Students who decide to drop the course must process a drop form by sending an email from your miners email account to records@utep.edu by October 28 before 5:00 PM MDT. When you email, be sure to do so from your miners email account and include your full name, student ID number, and full class details such as the course name, number, and CRN. 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 with deadlines.

COURSE COMMUNICATION:

- **Office Hours:** See the beginning of the syllabus for all of the office hours - they are all online wither with me or with the teaching assistant for the course.
- **Email:** If you have a question about a specific problem you will see something called “ask your teacher” above each problem. If you use that link – it will send us the problem as well as your question, and we can see where the difficulty is. Other than that, UTEP e-mail is the best way to contact me. I will make every attempt to respond to your e-mail within 24-48 hours of receipt. When e-mailing me, be sure to email from your UTEP student account and please put the course number in the subject line. In the body of your e-mail, clearly state your question. At the end of your e-mail, be sure to put your first and last name, and your university identification number.
- **Announcements:** Check the Blackboard and WebAssign announcements frequently for any updates, deadlines, or other important messages.
- **Monday emails:** Although you have dates associated with every assignment, quiz and exam, I will try to send you a reminder every Monday to remind you about the things coming up that week. Please look out for these emails because I think they will help you.

ADDITIONAL COURSE POLICIES AND STATEMENTS

Homework – submitting after the deadline

An automatic homework extension can be requested within 10 days after the due date. To do so, log in to WebAssign and click on My Assignments. Scroll to the assignment you want to extend (under past assignments) and click Request Extension. Select “Automatic” and “Accept” the extension. The new due date will be 48 hours from the time the extension is requested. Note, this means that **time due** will also change. No penalty will be applied to problems submitted after the original due date.

You may not view the answer key to a homework assignment and get an extension for it.

Quizzes – may be taken early but not late

There are no automatic extensions for quizzes. Quizzes are available before their due date. Please make plans to take the quiz early if you have a conflict.

If you feel like you have some extenuating circumstance, or have an excused absence that will keep you from completing the assignment or quiz in a timely manner, please contact me right away and be prepared to show supporting documentation.

University Sponsored Events:

These include conferences, student athletes' competitions, etc... The student needs to inform me of any traveling conflicts before they leave and make adequate arrangements to make up the missed material with 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 immediate family, and with appropriate documentation (e.g. doctor's note), however the retake exam is available to everyone who missed the exam or who wants to try and improve their grade

Alternative Means of Submitting Work in Case of Technical Issues

We 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. We also suggest you save all your work (answers to homework, quizzes, and exams) in a separate Word document or hand-written notebook as a back-up. 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.

Attendance Policy

You are expected to work toward completion of the course assignments daily. Attendance in an online 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 miners email 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, 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 <https://www.utsystem.edu/offices/board-regents/regents-rules-and-regulations>.

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 during 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.

Course Netiquette Policy

All correspondence with your instructor, TA, and other students should be conducted in an appropriate and professional manner. 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 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 Precautions

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms; let me know as soon as possible so we can work on appropriate accommodation or formulate a strategy if you feel unwell or fall ill.

If you still need the vaccine, it is widely available in the El Paso area; for more information about the current rates, testing, and vaccinations, please visit epstrong.org. Also, if you have any questions or concerns about COVID-19, please email covidaction@utep.edu for assistance.

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

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.

STUDENT SERVICES AND SUPPORT AT UTEP

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)**: Ask a tutor for help and explore other available math resources.
- **Calculus Page**: This is the math department UTEP page for calculus

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.