

THE UNIVERSITY OF TEXAS AT EL PASO

COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

COURSE BASICS

Course Number: MATH 1312 CRN 30241

Course Title: Calculus II

Credit Hours: 3

Term: Summer I, 2024

Meeting and Location: None – course is entirely online via WebAssign and Blackboard

Prerequisite Courses: Math 1411 with a grade of at least “C” or placement by testing services

INSTRUCTOR INFORMATION

Instructor: Nada Al-Hanna

Office Location: Bell Hall 325

Contact

Instructor email: nfalhanna@utep.edu

Math Department: mathdept@utep.edu

Emails will be answered daily Monday through Friday. Emails received after 5:00 PM will be answered the next available day. Please allow a minimum of 24 hours for a response, however; multiple emails within minutes or hours will not make me see them any earlier.

Student Office Hours:

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

Office hours are only held during normal university scheduling. Please allow one business day for the return of emails. Evening and weekend emails will be attended to during regular business hours. Other times at the discretion of the instructor.

During off-scheduling (Finals week) or condensed scheduling (late start, closed university) hours will be adjusted appropriately.

My office hours are Monday and Wednesday 10:00 AM- 11:00 AM or by appointment. Office hours will be held virtually, via Zoom, using the link provided on blackboard.

REQUIRED TECHNOLOGY AND MATERIALS

Textbook

Calculus by Larson, 12th Edition (available as e-book and hardcover) with an Enhanced WebAssign Access code.

ISBN-13: 978-0357749135

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.

Calculators

Basic Scientific Calculator (a calculator without graphing, derivative or integration capabilities)

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 you have consistent internet access 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. There may need to be more than a cell phone 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

Blackboard will be our primary platform. Inside the Blackboard course you will be able to view announcements (also sent to your email) and any video I find applicable to the course.

Weekly:

This course is designed using a weekly format—that is, each week is “packaged” as a single module so that all the course materials are in one area for a given week.

***All work will be completed on WebAssign, from homework and quizzes to the 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. Use the instructions below to access and register for WebAssign using your official [UTEP email account](#). You will have a 2-day free trial to access your coursework immediately.

Instructions to access and register for WebAssign:

To enter your course on WebAssign on June 10th, go to www.webassign.net and follow these steps:

- 1) Click on “Enter Class Key.”
- 2) Enter the class key given below, be sure to include all three sections given:

WebAssign class key: [utep 1985 2530](#)

- 3) Verify the section number and instructor name, then enter your information. Please make sure you use your UTEP miners email and remember the password you create.
- 4) The next time you log in, click on "Log In" and enter your *UTEP miners e-mail* and the password you created.

You must purchase an access code to log in as soon as possible and before the grace period ends. If you bought 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 (Learning Outcomes)

Students are expected to have a clear understanding of the ideas of Calculus as a solid foundation for subsequent courses in mathematics and other disciplines as well as for direct application to real world situations. At the end of this course, students will be able to have a clear understanding of the following concepts and techniques:

1. Use integration to find the area between curves, volume (Using the disk and shell Methods), arc Length, surfaces of revolution, and work among other applications.
2. Evaluate integrals by using basic integration rules, integration by parts, trigonometric integrals, trigonometric substitutions, and partial fraction decomposition.
3. Recognize improper integrals and their convergence and L'Hopital's rule.
4. Work with sequences and determine the convergence of sequences and limits.
5. Work with infinite series and determine the ratio of convergence. Study convergence by using tests such as comparison, p-series, integral, alternating series, ratio, and root tests.
6. Work with Taylor Polynomials and Approximations and Power Series.

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 your first method of contact whenever you have homework questions.

Quizzes

After a few homework sections, you will have a 60-minute timed quiz over that material again on WebAssign. These questionnaires may contain problems you have yet to see previously, but they will be based on the same concepts.

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

Each question has three attempts. If you choose to start a quiz less than 60 minutes before the due date, the examination will conclude at the due date, and your answers will be auto-submitted. Please note that after you open the quiz assignment, it will show an updated due date and time precisely one

hour after you begin that quiz. This is because it is a timed assignment you cannot return to work on later.

Exams

Mid-Term Exam

The exam will be available on WebAssign for 24 hours on the date specified by the course calendar and listed below. The exam is timed at 120 minutes (two hours). You have two attempts at each problem.

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

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.

Mid-Term exam on WebAssign: Thursday, 06/27/24.

An exam review will be available two days before the exam date on WebAssign. The exam review is a homework score, so complete it promptly.

Final Exam

The final exam will be available for 24 hours on WebAssign. This exam is a comprehensive exam and is required for all students. Remember, the final exam is worth 30% of your overall grade. The final exam is timed at 165 minutes (2hr 45min).

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

Comprehensive final exam on WebAssign: Tuesday, 07/09/24.

A Final exam review will be available two days before the exam date on WebAssign. The exam review is a homework score, so complete it promptly.

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 prior to beginning the timed assignments. The due date will change to reflect the time limit for timed assignments once you begin the quiz or exam.

Grading

Your grade will be determined as follows:

Homework	20%
Quizzes	25%
Mid-Term Exam	25%
Comprehensive Final Exam	30%

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

Assignment Types

Your assignments will consist of regular sectional homework assignments, quizzes, mid-term exam, and a comprehensive final exam. **All work will be completed on WebAssign.** All grades will be kept on Webassign.

Campus Schedule

A comprehensive course schedule is posted on blackboard. Some semester highlights are included. You may refer to [UTEP Academic Calendar](#) for more details.

Drop Policy

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

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

Because this is an online class, we won't see each other in the ways that you may be accustomed to: during class time, small group meetings, and office hours. However, there are several ways that we can keep the communication channels open:

- **Student Virtual Office Hours:** I will have office hours for your questions and comments about the course. These will be virtual. See Blackboard for more information about times and availability.
- **Ask Your Teacher:** The Ask Your Teacher feature of WebAssign located on the top right of each question, is the best way to ask questions about your homework as it shows me the entire problem. You are encouraged to use this as your first method of contact whenever you have homework questions. This feature should only be used for homework related problem. My TA and I check it daily.
- **Course Messages:** Course messages in Blackboard is the best way to reach me for class related items or questions that are not homework specific. My inbox every day is crowded. I will respond to Blackboard Course Messages daily and always before checking regular UTEP email. This is most definitely your best option at getting my response more quickly.
- **Email:** UTEP e-mail is a 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 announcements frequently for any updates, deadlines, or other important messages. All Blackboard announcements will also be sent as an email to your UTEP account, but the announcements section will always archive these messages.

ADDITIONAL COURSE POLICIES AND STATEMENTS

Make-up Policy

Homework

An automatic homework extension can be requested within two 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 and click Request Extension. Select "Automatic" and "Accept" the extension. The new due date will be 24 hours from when the extension is requested. Note that this means that the **time owed** 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 before requesting the automatic extension.

Quiz

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 miss a quiz because you had some extraordinary circumstances such as severe illness or death in the immediate family, and with appropriate documentation (e.g., doctor's note), please get in touch with me immediately and be prepared to show supporting documentation.

University-Sponsored Events:

These include conferences and student competitions, among others. The student needs to inform me of any traveling conflicts before they leave and make adequate arrangements to make up the missed material within one week of returning. Please do so to avoid 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).

Attendance

You are expected to work toward completion of the course assignments daily. While I will not be grading your attendance, I will be checking on your progress in class. Failing to complete tasks is equivalent to being absent. Failure to complete assignments for several days may result in you being dropped from the course. You are expected to check Blackboard and your UTEP miners email regularly for announcements.

Academic Integrity

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

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.

ACCOMMODATIONS POLICY

The University is committed to providing reasonable accommodations to students with documented disabilities. Students who become pregnant may also request reasonable accommodations, in accordance with state and federal laws and regulations and University policy. Accommodations that constitute undue hardship are not reasonable. To make a request, please register with the UTEP Center for Accommodations and Support Services (CASS). Contact CASS 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; 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.

Military

If you are a military student, or a military affiliated student, thank you for your service and/or thank you for sharing your family member with the country. If you have 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 so that we can make appropriate arrangements.

Copyright

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.

COURSE RESOURCES

Where you can go for assistance as 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 \(MaRCS\)](#)**: 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.
- **[Counseling and Psychological Services](#)**: Provides a variety of counseling services including individual, couples, and group sessions as well as career and disability assessments.