SPRING 2024       MATH 2313 CRN 20657       CALCULUS 3

Dr. L. Valdez-Sanchez   lvsanchez@utep.edu

MW 10:30 am – 11:50 am       LART 202

PREREQUISITES: MATH 1312. Students are assumed to be proficient on all prerequisites

OFFICE HOURS: Bell Hall 222 MTWR 12:10 – 1:00 pm or by appointment

COURSE DESCRIPTION / COURSE OBJECTIVES

Continuation of MATH 1312. Topics include solid analytic geometry, partial differentiation, and multiple integration. We will cover chapters 11 through 14 of the textbook in detail.

At the end of the course the student will be expected to be able solve a wide range of problems by using the skills and understanding gained through the lectures to pick the correct tools, results or methods as developed in the course.

REQUIRED MATERIALS

The course is organized by following the presentation of the material in Chapters 11-14 of this textbook:

*MATH 2313 – Calculus III (University of Texas at El Paso – CENGAGE), by R. Larson and B. Edwards, 12th ed. Or full version of Calculus, by R. Larson and B. Edwards, 12th ed. (An earlier edition may be used but user is responsible to make up for any differences in content)*

The lecture notes posted in Blackboard will also follow the same organization and content and, though not as complete as the textbook, may be used as a summary of the textbook material.

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. This gives you full access to both the assignments and the e-book.

Ensure that your UTEP e-mail account works and you have consistent internet access and a stable web browser. Mozilla Firefox and Google Chrome are the most supported browsers for both Blackboard and WebAssign.

You will need to have regular access to a computer or laptop; a cell phone may not render some WebAssign pages correctly. You may 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 will be our primary platform. In Blackboard you will be able to view announcements (also sent to your email) and notes. Lecture notes posted in Blackboard follow the same organization and content of the in-class lectures. Though not as complete as the textbook, the notes may be used as a summary of the textbook material and a source of further examples.

We will use WEBASSIGN for homework. To enroll in WEBASSIGN, go to https://www.webassign.net, click on “Enter Class Key” and input the following information:

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Section</th>
<th>Class Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luis Valdez-Sanchez</td>
<td>Math 2313, section CRN 20657</td>
<td>utep 3691 3479</td>
</tr>
</tbody>
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The institution is UTEP. You will need your UTEP Student ID and UTEP miners email address to enroll.

You must purchase an access code as before the 14-day 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.

**SUGGESTED FREE MATERIALS**

*Vector Calculus* by Corral at MecMath or LibreTexts

*Calculus* by Strang at LibreTexts

These free textbooks can be used as alternate sources of examples with solutions and practice exercises.

**COURSE ASSIGNMENTS AND GRADING**

-- Homework for each section is available through WEBASSIGN.

--There will be three midterm exams and a comprehensive final exam. All exams are in-person/in-class.

--Partial/full credit will be given to solutions of exam problems only when procedures discussed in the lectures are used and justifications for steps are provided. For example, if a linear system is solved using the standard elimination method without taking advantage of the augmented matrix method developed in the course, the solution will receive very little or no credit. Credit may also be reduced when using incorrect notation or notation not defined in the textbook/lectures.

--WebAssign homework: (20%)
--Midterm 1 (20%): Chapter 1 (TBA)
--Midterm 2 (20%): Chapter 3 (TBA)
--Midterm 3 (20%): Chapter 4 (TBA)
--The final exam (40% - on Fri 5/10, 10:00 am – 12:45 pm) will be comprehensive and include material from all three midterms (see UTEP final exam calendar).

Grades will be assigned as follows: A≥90; B≥80, C≥70, D≥60, F<60.
The course grade will be the total grade obtained by combining midterms and final exam points, or a C if the total grade is < 70 and the final exam grade is ≥70.

Academic performance on the items indicated above will be the only factor used to determine course grades.

COVID-19 PRECAUTIONS

For official up-to-date UTEP Covid-19 announcements and policies please visit https://www.utep.edu/liberalarts/theatre-dance/resources/covidprotocol.html

For more information about the current rates, testing, and vaccinations, please visit epstrong.org

SPECIAL DATES (see UTEP Academic Calendar)

- Mar 11th - 15th: Spring Break (no classes)
- March 28th: Drop Day (Last day to drop with a W)
- March 29th: Cesar Chavez Day (no classes)
- May 2nd: Last Day of Classes

COURSE COMMUNICATION

- **Office Hours**
- **Email:** When e-mailing me, be sure to email from your UTEP student account and include the course number and class meeting time in the subject line. In the body of your e-mail, clearly state your question. At the end of your e-mail include your first and last name, and your university identification number.
- **Announcements:** Check the Blackboard announcements frequently for any updates, deadlines, or other important messages.

NETIQUETTE

As we know, sometimes communication online can be challenging. It’s possible to miscommunicate what we mean or to misunderstand what our classmates mean given the lack of body language and immediate feedback. Therefore, please keep these netiquette (network etiquette) guidelines in mind. Failure to observe them may result in disciplinary action.

- Always consider the audience. This is a college-level course; therefore, all communication should reflect polite consideration of other’s ideas.
- Respect and courtesy must always be provided to classmates and the instructor. No harassment or inappropriate postings will be tolerated.
- When reacting to someone else’s message, address the ideas, not the person. Post only what anyone would comfortably state in a face-to-face situation.
- 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 professor only. Do not copy documents and paste them to a publicly accessible website, blog, 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.

ATTENDANCE AND PARTICIPATION

Attendance in the course is determined by participation in the lectures and learning activities of the course. Your participation in the course is important not only for your learning and success but also to create a community of learners. Participation is accomplished by Reading/Viewing all course materials to promote their understanding. It is also strongly recommended attending the lectures where questions can be asked directly.

COURSE DROP POLICY

According to UTEP Curriculum and Classroom Policies, “When, in the judgment of the instructor, a student has been absent to such a degree as to impair his or her status relative to credit for the course, the instructor may drop the student from the class with a grade of “W” before the course drop deadline and with a grade of “F” after the course drop deadline.” See academic regulations in the UTEP Undergraduate Catalog for a list of excused absences. Therefore, if I find that you are at risk of failing due to non-performance in the course, including excessive absence, neglect, or lack of effort (for example, after missing 3 quizzes or 1 midterm without communicating with the instructor and providing an academically valid excuse), I may drop you from the course.

If you feel that you are unable to complete the course successfully, please let me know and then contact the Registrar’s Office to initiate the drop process before the drop deadline. If you do not, you are at risk of receiving an “F” for the course.

MAKE-UP WORK

Extra credit work and the final exam cannot be made up. Make-up midterms will be given only in the case of a documented academically valid reason. If you miss a test and the reason is not considered excusable, you will receive a zero for the test. It is therefore important to reach out to me—in advance if possible—and explain with proper documentation why you missed a given course examination. Once a deadline has been established for make-up work, no further extensions or exceptions will be granted.

INCOMPLETE GRADE POLICY

Incomplete grades may be requested only in exceptional circumstances after you have completed all midterm exams and before taking the final exam. 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.
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 accommodation 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.

Each student must discuss the situation with me in person before any CASS accommodation can be implemented.

SCHOLASTIC INTEGRITY

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 one's 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.

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

**Exams (midterms/final) general instructions.**

1. All exams are in-person and taken in the usual classroom where the class meets.

2. Each midterm exam consists of 5 problems (50 points) and runs for 75 minutes. The final exam may contain 6-8 problems (60-90 points) and runs for 2 hours and 45 minutes.

3. All exam questions require detailed written solutions. Solutions to midterm exams will be posted in Blackboard.