

Calculus III, Math2450 online

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Homepage: <http://www.math.ttu.edu/~rgelca> or razvangelca.com. On both pages there is a link to Calculus III. Follow this link and read all information carefully! There is information on the material that you should study, and about how to do the homework and how to take the tests and quizzes.

Office Hours: I will try to answer all your questions by email, but if I do not succeed, or if you wish to talk to me in person, we can schedule a Zoom meeting at a time of convenience for you.

Text: K. Smith, M. Strauss and M. Toda, Calculus, 7th National Edition, Kendall Hunt. (The online version of the book can be found at <https://he.kendallhunt.com/product/calculus>).

Description of the course: The course teaches partial derivatives and multivariable integration. The goal is to give students the mathematical background for applied sciences and for more advanced mathematics courses.

Course Outline:

- Chapter 9 (review 9.1-4, cover 9.5-9.7) Vectors in Plane and in Space (3 hours),
- Chapter 10 (10.3, 10.5 are optional) Vector-Valued Functions (5 hours),
- Chapter 11 Partial Differentiation (11 hours),
- Chapter 12 (skip 12.6) Multiple Integration (12 hours),
- Chapter 13 Vector Analysis (11 hours).

Assessment of learning outcomes: There will be one homework every week between August 25 and November 19th except on the weeks of the midterm exams, there will be one quiz every week between September 1st and November 19th except on the weeks of the midterm exams. There will be two midterm exams, one that is due on October 6th and one that is due on November 24th. There will be one comprehensive final exam that is due on December 6th. The homeworks are 25% of the grade, the quizzes are 25% of the grade, the midterms are 25% of the grade, and the final is 25% of the grade. However, in order to pass, you have to score at least half of the total number of points on the homework and at least 25% of the total number of points on the final exam.

Other matters:

ADA accommodations (TTU Operating Policy 34.22). Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's office hours. Please note: instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, please contact Student Disability Services in West Hall or call 806-742-2405.

Absence for observance of a religious holy day (TTU Operating Policy 34.19). 1. "Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Texas Tax Code 11.20. A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. A student who is excused may not be penalized for the absence; however, the instructor may respond appropriately if the student fails to complete the assignment satisfactorily.

Academic Honesty (TTU Operating Policy 34.12). It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and high standard of integrity. The attempt of students to present as their own any work not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offenders liable to serious consequences, possibly suspension. Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor) or the attempt to commit such an act.

TTU Resources for Discrimination, Harassment, and Sexual Violence: Texas Tech University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from gender and/or sex discrimination of any kind. Sexual assault, discrimination, harassment, and other Title IX violations are not tolerated by the University. Report any incidents to the Office for Student Rights and Resolution, (806)-742-SAFE (7233) or file a report online at titleix.ttu.edu/students. Faculty and staff members at TTU are committed to connecting you to resources on campus. Some of these available resources are: TTU Student Counseling Center, 806-742-3674, <https://www.depts.ttu.edu/scc/> (Provides confidential support on campus.) TTU Student Counseling Center 24-hour Helpline, 806-742-5555, (Assists students who are experiencing a mental health or interpersonal violence crisis. If you call the helpline, you will speak with a mental health counselor.) Voice of Hope Lubbock Rape Crisis Center, 806-763-7273, voiceofhopelubbock.org (24-hour hotline that provides support for survivors of sexual violence.) The Risk, Intervention, Safety and Education (RISE) Office, 806-742-2110, rise.ttu.edu (Provides a range of resources and support options focused on prevention education and student wellness.) Texas Tech Police Department, 806-742-3931, <http://www.depts.ttu.edu/ttupd/>

(To report criminal activity that occurs on or near Texas Tech campus.)

Standard rules regarding the Coronavirus (which apply to both face-to-face and online classes)

If at any time during this semester you feel ill, in the interest of your own health and safety as well as the health and safety of your instructors and classmates, you are encouraged not to attend face-to-face class meetings or events. Please review the steps outlined below that you should follow to ensure your absence for illness will be excused. These steps also apply to not participating in synchronous online class meetings if you feel too ill to do so and missing specified assignment due dates in asynchronous online classes because of illness.

1. If you are ill and think the symptoms might be COVID-19-related:
 - a) Call Student Health Services at 806.743.2848 or your health care provider.
 - b) Self-report as soon as possible using the Dean of Students COVID-19 webpage. This website has specific directions about how to upload documentation from a medical provider and what will happen if your illness renders you unable to participate in classes for more than one week.
 - c) If your illness is determined to be COVID-19-related, all remaining documentation and communication will be handled through the Office of the Dean of Students, including notification of your instructors of the period of time you may be absent from and may return to classes.
 - d) If your illness is determined not to be COVID-19-related, please follow steps 2.a-d below.

2. If you are ill and can attribute your symptoms to something other than COVID-19:
 - a) If your illness renders you unable to attend face-to-face classes, participate in synchronous online classes, or miss specified assignment due dates in asynchronous online classes, you are encouraged to visit with either Student Health Services at 806.743.2848 or your health care provider. Note that Student Health Services and your own and other health care providers may arrange virtual visits.
 - b) During the health provider visit, request a return to school note.
 - c) E-mail the instructor a picture of that note.
 - d) Return to class by the next class period after the date indicated on your note. Following the steps outlined above helps to keep your instructors informed about your absences and ensures your absence or missing an assignment due date because of illness will be marked excused. You will still be responsible to complete within a week of returning to class any assignments, quizzes, or exams you miss because of illness.