

Math 2534-101 Calculus III

Fall 2024

Contact Information:

Instructor: Dr. Guy Bernard

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Office Hours: MF 11:00am-12:00pm, W 9:00am-10:00am

TR 10:00am-11:00am, or by appointment.

Important Notices (please read carefully)

- Should a student need to quarantine because of having acquired the Covid-19 virus (or to having been exposed to an infected person with this virus), he or she should advise me of their situation and the number of days they will be absent from class. Then, such students will have to follow the lectures by reading my online class notes. They will need to e-mail me PDF files of their homework assignments by their due dates. If such a student misses an in-class test, arrangements will be made on a case-by-case basis. In most cases, the final exam will be substituted for the missed test. (refer to Evaluation 2).
- Should a student be unable to take the Final Exam at the scheduled date (due to Covid-19 or any other illness), he or she will need to contact me before the final exam and contact the Office of Students Rights and Responsibilities to request an absence letter to obtain a differed final exam. This office will require documentation before agreeing to write such a letter. Office of Students Rights and Responsibilities Director: Mr. Dail Neely phone: (940) 397-7500.

Class Details:

Lectures: MF 12:00pm-12:50pm TR 12:30pm-1:20pm in Bolin 209.

Text: Calculus (early transcendentals), Stewart et al. 9thed.

Class Lecture Notes: posted on D2L.

Homework Solutions: posted on D2L after being handed in.

Calculator: Any graphing calculator. I will not use the calculator often in class.

Course Description: The goal of this course is to continue the study of Calculus started in Calculus I and Calculus II. Firstly, vectors will be studied and vector-valued functions introduced. Then, real-valued functions of several variables will be studied extensively. For these functions, the concepts of Limit, Continuity, Differentiability, and Integrals will be covered carefully. Lastly, integration of vector fields will be covered as well as two related theorems: Green's Theorem and the Divergence Theorem.

Course Outline: The following chapters will be covered:

- Chapter 12 Vectors and the Geometry of Space
- Chapter 13 Vector Functions
- Chapter 14 Partial Derivatives (except 14.8)
- Chapter 15 Multiple Integrals (except 15.5, 15.9)
- Chapter 16 Vector Calculus (except 16.8, 16.10)

Homework, Tests, and Final Exam:

- There will be 12 homework assignments during the semester.
- The homework assignments will cover the entire course material.
- Late assignments will not be accepted.
- Solutions to homework assignments will be posted on D2L after they are handed in. They will remain there for the remaining of the semester.
- There will be 3 tests during the semester.
- Solutions to tests will not be given.
- The final exam will be comprehensive and compulsory.
- All tests and the final exam will be closed book exams.
- Calculators will be permitted during all exams.
- Make-up tests will be granted only in exceptional situations and only when the student has made the request (for a make-up test) several days before the date of the class-scheduled test.

Test Dates:

- Test No.1 Thursday October 3, 2024 (subject to change)
- Test No.2 Tuesday November 5, 2024 (subject to change)
- Test No.3 Thursday December 5, 2024 (subject to change)
- Final Exam Wednesday December 11, 2024 3:30pm-5:30pm

Grading:

The course grade for each student will be the better of the two following evaluations:

Evaluation 1

- Homework 5%
- Test No.1 20%
- Test No.2 20%
- Test No.3 20%
- Final Exam 35%

Evaluation 2

- Homework 6%
- Best Test 22%
- 2nd Best Test 22%
- Worst Test 0%
- Final Exam 50%

Letter Grade:

In this course, the course letter grades will correspond to the following course grades:

- A 85% and above
- B 75% to 84%
- C 65% to 74%
- D 55% to 64%
- F below 55%

Grade Appeal Procedure:

If you wish to appeal your final course grade, the following link describes the appeal process (to the Dean of the College).

[Grade Appeal Checklist](#)

Important Date:

Last date to withdraw from the course with the grade of W:
4:00pm Monday, November 25, 2024.

Attendance Policy:

Students should attend all lectures. Attendance will be taken, but due to the pandemic, no penalties will be imposed for absences.

Disabilities Statement:

Students who need special accommodations should inform the instructor and contact the Disability Support Services Office: room 168 Clark Student Center Phone: (940) 397-4140.

Academic Dishonesty:

The Sanction for academic dishonesty on quizzes, tests, or the final exam will be the assignment of the grade of ZERO on the given test where the dishonesty has occurred. This may lead to the failing of the class should the students' course grade fall below the required passing grade.

[Academic Honesty Checklist](#)

Use of Technology:

No cell phones will be allowed during quizzes, tests, and the final exam. Students may use any kind of technology (AI, Chegg, etc.) in doing homework problems, but this is not recommended as this often leads to an insufficient understanding of the material.

Student Handbook:

Students should refer to the current MSU Student Handbook and Activities Calendar for university policies on academic dishonesty, class attendance, student rights and activities. The Student Handbook can be found on the MSU Website at Student Life, then Dean of Students.

[Student Handbook 2023-2024](#)

Campus Carry Statement:

Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective

August 1, 2016. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage at

msutexas.edu/campus-carry

Active Shooter:

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit

[Safety / Emergency Procedures](#)

Students are encouraged to watch the video entitled "Run, Hide. Fight" which may be electronically accessed via the University Police department's webpage:

[*"Run. Hide. Fight."*](#)

Additional Student Resources:

[Click here](#)