

MATH 213-006, Spring 2021
TR 1:30 - 2:45 PM, Online

Instructor: Dr. Neil Epstein, nepstei2@gmu.edu

TA: Matthew South, msouth2@gmu.edu

Office Hour: Thursdays 3-4pm

Textbook: *Thomas' Calculus: Early Transcendentals* (14th edition), or *Thomas' Calculus: Multivariable* (14th edition), 2017, by Hass, Heil, and Weir.

Prerequisites: C or better in MATH114/116 or equivalent. Moreover, you should know the material of Calc II and all of *its* prerequisites as well (e.g. algebra, geometry, trigonometry, ...). If these things are not true, you are registered for the wrong course!

Course Content: We will cover most of chapters 12-16. Topics include partial differentiation, multiple integrals, line and surface integrals, integration of vector fields, and two- and three-dimensional analytic geometry.

Online component: This course incorporates the MyLab and MyMathLab apparatus at Pearson. You will need to register there in order to do the online homework assignments, which in turn are worth a significant portion of your grade. However, you will not need a separate course number, as the Pearson course is linked directly through the Blackboard course.

- The cheapest option is just to buy MyLab access for this text. This will include an eText version of the book as well as homework access, but for a limited time only. You could buy a paper version of the textbook as well if you like.

Expectations:

- You will read the book carefully!
- You will do all assigned homework problems.
- You will satisfy yourself that you could do all the homework problems without aid if they or problems like them were to crop up on an exam.

As you should know, math is best learned by doing.

- If you have any questions, ideas, or comments, you will let us know.
- You may be required to present problems and such during the recitation sections.
- You will come to class every time – both the lectures and the recitations. Anything you miss as a result of not being in class is your responsibility.

- If you are a student with a disability and you need academic accommodations, please contact both me and the Office of Disability Resources (ods@gmu.edu). All academic accommodations must be arranged through that office.

Exams: There will be three in-class exams and a final exam. The in-class exams will be on the following Tuesdays: **February 23**, **March 23**, and **April 20**. They will last for for 50 minutes. (The remaining time will be used for setup and takedown due to the online environment.) Needless to say, attendance on these days is especially important! The final will be given on **Tuesday, May 4, 1:30-4:15pm**. The starting time for your exam will be the same as the starting time for a normal class day. Try to enter the virtual room early to set up.

Extra Help: Get to know each other; you will be each other's resources. Also, do not hesitate to come to office hours or make an appointment to discuss a homework problem or any aspect of the course.

Grading: The components of your grade will be broken down as follows:

- Homework: 15%.
- Each in-class exam: 15%. (for a total of 45%).
- Participation: 10%.
- Final: 30%

Attendance and Class Participation: Students are expected to attend classes regularly. Attendance is achieved by using Blackboard Collaborate Ultra. Please let me and the TA know ahead of time if you plan to be absent and why.

Academic Integrity: GMU is an Honor Code university; please see the Office for Academic Integrity for a full description of the code and the honor committee process. The principle of academic integrity is taken very seriously and violations are treated gravely. What does academic integrity mean in this course? Essentially this: when you are responsible for a task, you will perform that task. When you rely on someone else's work in an aspect of the performance of that task, you will give full credit in the proper, accepted form.*

Recitations: There is one hour of recitation with your TA each Wednesday, late afternoon or early evening. Check which recitation section you are registered for. (There are three.) Attendance there is mandatory.

*Text adapted from GMU's Stearns Center website.