

MATH 213: Analytic Geometry and Calculus III
Syllabus for the Spring 2021, Section 004

Instructor: Dr. Flavia Colonna

Office: Exploratory Hall, Room 4215

GTA: Hannah Klawa (hklawa@masonlive.gmu.edu)

Email: fcolonna@gmu.edu

If you email me, make sure **to identify yourself, use your GMU email account, and have your course number in the subject matter**. As I have about 120 students overall, please, be limited in the number of times you contact me on any given day. As the course is going to be entirely online, in place of office visits, you can email me your questions and I will try to respond in a timely manner. However, I cannot guarantee an immediate response.

Textbook: Hass, Heil, & Weir, *Thomas' Calculus: Early Transcendentals*, 14th ed., Pearson, 2018.

Course Content: Sections 12.1-12.6, 13.1-13.4, 14.1-14.7, 15.1-15.7, 16.1-16.4

Blackboard: I have activated Blackboard for all students. All announcements, quizzes, tests, and homework assignments will be posted on Blackboard.

Course Format: I plan to post my lectures on Blackboard (BB) and hold a live video connection through Zoom. Please, make sure to follow the recommendations below:

- Check frequently your email and any announcements posted on Blackboard. You will be held responsible for any missed assignment, quiz or test, even in case of announced rescheduling.
- Make a short list of questions you wish me to address.
- I will post worksheets before each test that will help you prepare. Make sure to work on these on your own before accessing the solutions, which will be posted at a later time.

Tests: All exams must be handwritten and will be administered through Blackboard and will be synchronous. **You will be able to access the midterms at 5:55 p.m. All your work must be handwritten.** To submit your exam, please, make a scan and make sure it is legible and upload it as a PDF by **7:20 p.m.** (except, of course, the final). Late uploads will be penalized. **After 8:00 p.m., no uploads will be possible.** Before posting, make sure the quality is good. **On the top page of the test include your GMU photo I.D.**

There will be 3 midterm tests and a comprehensive final exam.

- The dates of the midterms are set for **Thurs. Feb. 25, Thurs. Mar. 25, Thurs. Apr. 22.**
- The comprehensive final is scheduled for **Thurs. May 6, 4:30 p.m.-7:15 p.m.**
- There is a **no make-up policy**. If you miss a test, your final exam will count 1½ times. If you miss another test, the second missed test will be given a score of 0.

Quizzes: There will be 10 quizzes administered on Mondays during recitation except right before a test, when a review will be held. The quizzes will be based on the homework problems on the material covered the previous week up to but not including the Tuesday lecture held the day before. All quizzes will be administered through Blackboard. Your TA will inform you about the specifics.

Homework: The homework will not be collected, but you should try all homework problems (see the list below) and ask about those you have difficulty with.

GMU Honor Code: You are required to follow the GMU Honor Code at all times.

Grading Policy: The lowest test grade and two quiz grades will be dropped.

Percentages of final grade:

- Midterm tests: 50%
- Quizzes and class participation: 20%
- Final exam: 30%

For students who receive 90 or above all three midterm exams only: The final will be shorter and focused on the recent material. The lowest test grade will not be dropped and the grading scale for the tests will be modified as follows:

- Midterm Tests: 60%
- Final exam: 20%

Quizzes and class participation will be treated as above.

Grading Scale: A+: 97-100, A: 94-96, A-: 90-93; B+: 87-89, B: 84-86, B-: 80-83; C+: 77-79, C: 74-76, C-: 70-73; D: 60-69; F: <60.

Homework Assignments:

Section	Problems (odd only)
12.1	3-15, 21-47, 55-71
12.2	1-49
12.3	1-41, 47, 51
12.4	1-37, 41, 47, 51, 55
12.5	1-51, 57, 61, 65, 69-73
12.6	1-47
13.1	1-27, 33, 37
13.2	1-25
13.3	1-17
13.4	1-25
14.1	3-23, 37-63
14.2	3, 9, 15-23, 29-39, 41, 45, 49, 55
14.3	3-57, 61(a,c,e), 63, 67, 83
14.4	5-21, 25-37, 41, 43
14.5	1-31, 41
14.6	1-23, 27, 31
14.7	1-33, 39, 43, 51, 53
15.1	1-35
15.2	1-21, 27, 29, 35, 39, 45, 49, 57, 59
15.3	1-9, 13, 17, 21
15.4	1-29
15.5	7-23, 27
15.7	7-29, 43-49, 65
16.1	5-15, 19, 25, 27
16.2	3-21, 25, 29
16.3	3-29
16.4	5-31