

**MATH 213: Analytic Geometry and Calculus III**  
**Syllabus for the Fall 2022, Section 003/P01**

**Instructor:** Dr. Flavia Colonna

**Office:** Exploratory Hall, Room 4215

**Office Hours:** TR 4:30 p.m. - 5:45 p.m. or by appointment.

**Email:** [fcolonna@gmu.edu](mailto:fcolonna@gmu.edu)

**GTA:** Jessica Masterson ([jmaster6@gmu.edu](mailto:jmaster6@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 over 100 students, please, be limited in the number of times you contact me on any given day. As the course is going to be in class, for lengthy questions in expect you to make use of my regular office hours. However, you can email me brief questions and I will try to respond in a timely manner.

**Textbook:** Hass, Heil, & Weir, *Thomas' Calculus: Early Transcendentals*, 14<sup>th</sup> 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.

**Course Format:** I plan to post my lectures on Blackboard (BB). 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 discussed during recitation and posted at a later time.

**Tests:** All exams must be handwritten and will be administered in class. To take your exam, make sure your full name, solutions and supporting work are legible. **Have with you your GMU photo I.D.** Students with special needs are required to take the tests at the Office of Disability Services (ODS).

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

- The dates of the midterms are set for **Thurs. Sept. 22, Thurs. Oct. 20, Thurs. Nov. 17.**
- The comprehensive final is scheduled for **Thurs. Dec 8, 4:30 p.m.-7:15 p.m.** A student arriving more than one hour late will not be allowed to take it and fail the course.
- There is a **no make-up policy** unless a student is seriously ill or under quarantine and I am notified in advance (documentation is required in each instance).

**Quizzes:** There will be approximately 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 and completed the previous week. 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.

**Final Remarks:** Students who need additional help are encouraged to go to the **Math Tutoring Center** located in room 344 in the Johnson Center.

**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