Analytical Geometry and Calculus I Syllabus
MATH 113, Summer 2023 - Session D

Meeting Times:	MTR 4:30-6:30PM
Recitation:	W 4:30-5:45PM
Mode of Instruction:	In-person
Location:	Exploratory Hall — Room 4106
Instructor:	Julia Seay (she/her)
Office Hours:	TBD and by appointment
e-mail:	jseay2@gmu.edu (response time within 48 hours)

Office Hours My office hours are still TBD, but they will be held simultaneously in-person and on Zoom via the link on Blackboard. If you cannot attend office hours at the specified time, just send me an email and we can find an alternate time to meet. Please use your Mason Outlook email account when communicating for this course.

Prerequisites C or better in Undergraduate MATH 105 or pass the ALEKS Math Placement Test with an 80 or higher.

Required Textbook: *Thomas' Calculus: Early Transcendentals* (14th Edition) by Hass, Heil, Weir. ISBN: 9780134768496.

Content/Description Functions, limits, the derivative, maximum and minimum problems, the integral, and transcendental functions.

Ch. 1.1-1.6:	Functions
Ch. 2.1-2.6:	Limits and Continuity
Ch. 3.1-3.10:	Derivatives
Ch. 4.1-4.8:	Applications of Derivatives
Ch. 5.1-5.6:	Integrals

Recitation During recitation, you will work in groups on homework problems or other problems related to the material that week. Attendance is mandatory and you will be graded on participation (5 points each session). Participation will be earned by completing an exit ticket each class. You may miss **one** recitation throughout the semester before it counts against your grade.

Homework Homework will be assigned from every section we cover, but will not be collected or graded. However, **all quiz and exam problems will be taken directly from assigned homework problems.** The homework forms the basis of all lecture and recitation material for the course. If you are not doing the homework, it is likely you will not be successful in the course, so it is highly recommended you do every assignment.

Quizzes There will be a total of 6 quizzes given on Thursdays (not on days of exams). Your lowest quiz grade will be dropped at the end of the semester.

Exams ALL Exams will be in class. You MUST show all work to receive credit for exam questions. If you do not show work, you do not earn credit. If you miss any exams, you must get approval. Any medical/special circumstances must be notified ahead of time for make-up exam approval. Documentation is required. There will be three exams during the semester and a comprehensive final exam at the end of the term. Scientific calculators are allowed during exams. No graphing

calculators, phones, notes, etc. are allowed on exams. You need to have your GMU ID to take exams. *The Final Exam will be worth double what a test is worth.*

Grading You will be able to earn 600 points in this course. The breakdown is as follows:

Assignment	Points
Recitation (10)	5 points
Quizzes (6)	10 points
Exams (3)	100 points
Final Exam	200 points
Total	600 points

The grading scale will be:

A-: 90-92; **A:** 93-97; **A+:** 98-100
B-: 80-82; **B:** 83-86; **B+:** 87-89
C-: 70-72; **C:** 73-76; **C+:** 77-79
D: 60-69;   **F:** 0-59;

Environment of Inquiry This classroom is a participatory environment where freedom of thought and curiosity are encouraged. Our classroom is an inclusive place where every background and learning style is welcome.

Electronic Devices I expect to receive the same level of respect that I give to you. This means that cell phones and computers are not to be used during class. Your cell phone (or any internet capable device) should be on silent or vibrate during lecture and I should not see them at all during tests or quizzes. If I notice you have a cell phone (or any internet capable device) in your line of sight during a test or quiz then I will assume that it is an Honor Code violation and take appropriate action. This could result in you failing the assignment, failing the class, or being suspended from the university.

Academic Integrity It is expected that students adhere to the George Mason University Honor Code as it relates to integrity regarding coursework and grades. The Honor Code reads as follows: To promote a stronger sense of mutual responsibility, respect, trust, and fairness among all members of the George Mason University community and with the desire for greater academic and personal achievement, we, the student members of the University Community have set forth this: Student members of the George Mason University community pledge not to cheat, plagiarize, steal and/or lie in matters related to academic work. (Office of Academic Integrity: `http://oai.gmu.edu`.)

Title IX: Diversity and Ethics As a faculty member and designated 'Responsible Employee,' I am required to report all disclosures of sexual assault, interpersonal violence, and stalking to Mason's Title IX Coordinator per university policy 1412. If you wish to speak with someone confidentially, please contact the Student Support and Advocacy Center (703-380-1434), Counseling and Psychological Services (703-993-2380), Student Health Services, or Mason's Title IX Coordinator (703-993-8730; cde@gmu.edu);
`https://diversity.gmu.edu/sexual-misconduct`.

Campus Resources

- If you feel harassed or threatened by another student, please report it to me, your professor, or to Compliance, Diversity, and Ethics in Aquia Hall 373, MS 2C2, or at (703) 993-8730.

- Title IX protects any person from sex-based discrimination, including sexual assault. Call 703-993- 8730, email cde@gmu.edu, or complete the intake form online at `https://diversity.gmu.edu/intake-form`.

- Office of Student Conduct, 703-993-6209, `studentconduct.gmu.edu` National Sexual Assault Lifeline: 1-800-656-4673 (on back of GMU ID card)

- Counseling and Psychological Services (Caps), 703-993-2380, `caps.gmu.edu`

- Here are numbers if you or a student you know is in crisis: Crisis Text Line: Text 741-741 CrisisLink: 703-527-4077 National Suicide Prevention Lifeline: 800-273-8255 (on back of GMU ID card)

- Student Support and Advocacy Center: Provides comprehensive services for students in an effort to foster the safety and well-being of the Mason community. Call 703-993-3686. `http://ssac.gmu.edu`. Call 703- 380-1434 for the 24-hour sexual and intimate partner violence helpline. In an emergency you can dial 911 or 703-993-2810 (University Police and Public Safety; on back of GMU ID card) `police.gmu.edu`.

- Sign up for the following to receive texts to your phone: Visit `alert.gmu.edu` today to add your cell phone to receive text message notifications from Mason Alert. Rave Guardian is a campus safety mobile application that enhances preparedness and safety on-campus. The app is free for all students with a university email address through the iTunes store and the Google Play store. See `ready.gmu.edu` for more information.

- Office of Housing and Residence Life: Professional and student staff are available 24 hours a day to assist students and ensure safety. For 24-hour, non-emergency line, Call 703-993-2720. `https://housing.gmu.edu/`.

Special Accommodations: If you are a student with a disability and you need academic accommodations, please see your professor and contact the Office of Disability Services (ODS) at 993-2474. All academic accommodations must be arranged through the ODS.

Important Dates: Please refer to your main syllabus for important dates.

Mathematica and Software Workshops: You can sign up for Scientific Computing Workshops at `www.math.gmu.edu/mtc.php` or `http://math.gmu.edu/mtc.php` depending on your browser.

Tutoring for Mathematics: The tutoring center is operating online this semester. For the latest schedule and instructions on registering, please visit `http://math.gmu.edu/tutor-center.php`.

Tentative Schedule - MATH 113 Summer 2023
***Note:** Will be updated with new assignments each week, so stay posted!

Date	Sections Covered	Homework
Mon. 5/22	1.1, 1.2	**1.1**: 1-8, 9-61 odd; **1.2**: 1-11 odd, 17-20, 23-35 odd, 38, 39, 42, 44, 47, 50, 56, 59-63 odd
Tues. 5/23	1.6, 1.3	**1.6**: 19-24, 26-34 even, 41-69 odd; **1.3**: 6, 7, 12, 31-55 odd
Thurs. 5/25	**QUIZ 1**, 2.1	
Mon. 5/29	-	NO CLASS - University Closed
Tues. 5/30	2.2, 2.4	
Thurs. 6/1	**QUIZ 2**, 2.5	
Mon. 6/5	2.5, 2.6	
Tues. 6/6	3.1	
Thurs 6/8	**QUIZ 3**, 3.2	
Mon. 6/12	3.3, 3.4	
Tues. 6/13	3.4, 3.5	
Thurs. 6/15	**EXAM 1**, 3.5	
Mon. 6/19	-	NO CLASS - University Closed
Tues. 6/20	3.6, 3.7	
Thurs. 6/22	**QUIZ 4**, 3.10	
Mon. 6/26	3.10, 3.11	
Tues. 6/27	4.1	
Thurs. 6/30	**QUIZ 5**, 4.2	
Mon. 7/1	4.3, 4.4	
Tues. 7/4	-	NO CLASS - University Closed
Thurs. 7/6	**EXAM 2**, 4.5	
Mon. 7/10	4.6	
Tues. 7/11	4.8	
Thurs. 7/13	**QUIZ 6**, 4.8	
Mon. 7/17	5.1	
Tues. 7/18	5.2	
Thurs. 7/20	**EXAM 3**, 5.3	
Mon. 7/24	5.4	
Tues. 7/25	5.5, 5.6	

Thurs. 7/28: FINAL EXAM @ 4:30-7:15 PM