

Analytic Geometry and Calculus I (MATH:113)

Spring 2023

Recitation 304, M 8:30-9:20am, 1105 Peterson Hall

Recitation 305, M 9:30-10:20am, 1105 Peterson Hall

<https://mason.gmu.edu/~apizzime>

Office Hours:

M/W 1:30-3pm, GTA Workroom, Exploratory Hall 4th Floor

General Information

- **Anthony Pizzimenti** [apizzime@gmu.edu] is the instructor of record for the recitation portions of this course. If you want to email me, please include “MATH:113” in the subject of the email.
- **Iman Garmiani** [igarmian@gmu.edu] and **Brooks Epley** [bepley2@gmu.edu] are the Learning Assistants for this course.
- **Prof. Trey Andreani** [fandrean@gmu.edu] is the instructor of record for the lecture portion of this course.
- **Dr. Catherine Sausville** [csausvil@gmu.edu] is the director of undergraduate studies.
- The textbook is *Thomas' Calculus: Early Transcendentals (14th ed.)* by Hass, Heil, and Weir.
- In recitation, **we may use alternate resources to explore ideas** — these resources will be provided to you on Blackboard and on the course website.
- We may use software like **Wolfram Mathematica** or **Desmos** to dig deeper into topics covered in class. You are entitled to a free license for this software, which GMU provides. A product link for this software is posted on Blackboard.

If you have trouble purchasing, renting, or accessing resources, **let me know as soon as possible.**

Principles

Our classroom *is*...

- ... an active learning environment, where we dig into ideas and are unafraid to ask questions.
- ... a place of non-judgment, mutual respect, humility, and support.
- ... a place to make mistakes and be confused sometimes.
- ... mindful about what we learn and its broader societal impacts, and inclusive to those we learn with.

Our classroom *isn't*...

- ... somewhere to withhold information from your peers.
- ... a place where prejudice or discrimination of any form is tolerated.

Structure and Grading

Our part of the course is inquiry-based. Through our calculus work we'll focus on big ideas, developing our mathematical intuition, learning how to learn, and expanding our mathematical toolbox. We'll combine small-group work with interactive mini-lectures, an occasional quiz, and computer-aided exploration activities. Your recitation grade, based on participation, follows this rubric:

Points	Engagement Level
0 points	Isn't in attendance (without previous discussion with Anthony or Prof. Andreani); ignores class principles; creates an environment hostile to collective learning.
1 point	Is in attendance, but makes minimal attempts to participate in class or group work; ignores peers or is unwilling to work cooperatively.
2 points	Is in attendance, abides by class principles, and works consistently and cooperatively with their group.

Remember, **the more you put into the course, the more you'll get out of it.**

Office Hours and Communication

My office hours are from 1:30-3pm on Mondays and Wednesdays. If you can't make my regular office hours, a link to schedule an appointment with me is located on Blackboard as well as my personal webpage. Office Hours are hosted in the collaboration rooms in the Graduate Teaching Assistant offices in the Mathematical Sciences Department on the 4th floor of Exploratory Hall. I will post course notes, materials, announcements, and grades on Blackboard. If you need to get in touch, send me a message on Blackboard or an email with "MATH:113" in the subject line.

On-Campus Resources

- The **Student Support and Advocacy Center (SSAC)** [ssac.gmu.edu] provides resources, counseling, and other services for students dealing with food insecurity, financial distress, sexual harassment or assault, domestic or dating violence, or gender discrimination.
- **Counseling and Psychological Service (CAPS)** [caps.gmu.edu] gives students access to free and confidential short-term mental health care.
- The Mason **Title IX Office** [diversity.gmu.edu/title-ix] is a venue for reporting incidents of sexual or interpersonal misconduct. They are located at 373 Aquia, MS 2C2 or can be contacted at (703) 993-8730.
- **I am a mandatory reporter**, which means I am required to report any disclosure of sexual assault, sexual harassment, interpersonal violence, stalking, sexual exploitation, complicity, or retaliation to Mason's Title IX Coordinator. **If you would like to speak with someone confidentially**, SSAC and CAPS will assist you.
- The **Office of Disability Services** [ds.gmu.edu] ensures students with disabilities are provided accommodations for their learning. They are located in Student Union Building I (SUB I), Suite 2500. You can also email them at ods@gmu.edu.
- The **Learning Services Office** [learningservices.gmu.edu] provides workshops, coaching, and tutoring for students who need academic assistance outside the classroom and office hours.