

Calculus with Precalculus, Summer II, 2026
MATH 1221

Instructor: Anthony Christiana

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Class Meeting:

MTWR, 12:30-2:00, 1776 G St, NW C-106
6/29/26 - 8/8/26

Textbook: *OpenStax Calculus volume 1: https://openstax.org/details/books/calculus-volume-1*

There will also be supplementary algebraic topics pulled from a variety of sources.

Course Description: Math 1220- 1221 constitutes a rigorous two semester course in single variable calculus that is the equivalent of Math 1231. The difference between the two semester 1220-1221 courses and the one semester 1231 course is the integration and review of algebra and trigonometry topics into 1220-1221. This is a calculus driven course with algebra and trig topics introduced throughout the duration of 1220-1221 on a "when needed" basis. Students who successfully complete 1220-1221 will take Math 1232 if they wish to take a further calculus course

Learning outcomes: At the end of this course, students should have familiarity with:

- Exponential and Logarithmic functions
- Apply derivatives and integrals to solving real-world problems
- Curve sketching and Optimization
- Integration, u-substitution, solids of revolution
- Fundamental Theorem of Calculus

Homework: Assignments are administered through WebWork. You can find the link in Blackboard under the "Assignments" section. The week's homework will be open on Monday and due the following Monday at 11:59pm. You should actively complete the homework to prepare for the weekly quizzes. If you have WebWork problems, let me know. Late homework will be subject to a 10% grade reduction.

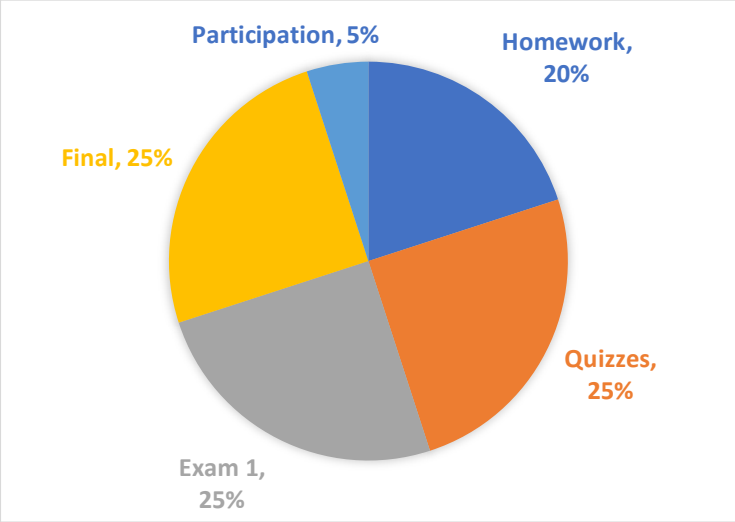
Quizzes & Exams:

The assessments in this class are the main component of your grade. There's one every week to check your understanding. This course is extremely condensed, and so consistency is key. I will give a *general overview* of the quiz content in advance of the quiz.

1. **Quiz #1:** Thursday, July 2
2. **Quiz #2:** Thursday, July 9
3. **Exam #1:** Thursday, July 16
4. **Quiz #3:** Thursday, July 23
5. **Quiz #4:** Thursday, July 30
6. **Final Exam:** Thursday, August 6

Grading: I'll post all the grades on Blackboard (hopefully) relatively quickly. Please let me know if you notice a mistake.

"Participation" is meant to capture attendance and general scholarship in the course. Attendance is mandatory and is crucial for your learning. After two unexcused absences, your participation grade will be negatively affected.



Office Hours: I will stick around after every class for lingering questions. Otherwise, you can shoot me an email and we can meet in-person or over Zoom, as I have a lot of flexibility in the summer.

Technology Policy: The classroom is an analog space. Laptops are prohibited in the classroom and notes should be taken by hand. This reduces classroom distraction and increases retention of course content. There is a zero tolerance policy for Generative AI.

Accommodations: Accommodations will be considered case by case according to university policies. All requests must be based on medical emergency, disability, religious observance, three finals on one day or other acceptable circumstances in accordance with university policies. To be considered, you must inform me of your situation **by email** appropriately **in advance** and provide written documents from appropriate sources to substantiate your claim.

Academic integrity: All students are expected to know and work in compliance with the GWU Code of Academic Integrity. It states: "Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information." For the remainder of the code, see: http://www.gwu.edu/~ntegrity/code.html

DISABILITY SUPPORT SERVICES (DSS)

Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: http://gwired.gwu.edu/dss/

UNIVERSITY COUNSELING CENTER (UCC)

The University Counseling Center (UCC) offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include:

- crisis and emergency mental health consultations
- confidential assessment, counseling services (individual and small group), and referrals

Phone: 202-994-5300

Website: http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices