

Georgia State University, Dunwoody Campus

MATH 2211, CALCULUS OF ONE VARIABLE 1 (4cr)

Spring 2021

SYLLABUS

Instructor: Dr. Julie Carmela La Corte

Email: jlacorte@gsu.edu

Virtual office (WebEx): <https://gsumeetings.webex.com/meet/jlacorte>

Please contact the Instructor by email at jlacorte@gsu.edu, *not* through iCollege.

All student emails must be sent from the student's PantherMail account (____@student.gsu.edu).

Meeting Times:

Section 072 (CRN: 17015)		
TTh	1–2 ⁴⁵ PM	Building NE, Room 0300

Office Hours:

time	
MW	1 ³⁰ –3 PM
TTh	11 ³⁰ AM–12 ³⁰ PM
F	10 AM–1 PM

Method of Instruction

Depending on the number of students enrolled, this course will initially either be taught with a **traditional** or **blended** model.

Traditional model:

- Under the “traditional” model, all students will be expected to attend face-to-face classes **twice a week**.

Blended model:

- Under the “blended” model, all students will be expected to attend face-to-face class **once a week**, and we'll cover two lessons in each meeting. No more than 50% of the class will be present at any time.
- Self-guided activities will be provided via iCollege as supplements to the accelerated lectures.

In either case:

- Students will be expected to participate in class discussions.
- All homework and quizzes will be online.
- All exams, including the Final Exam, will be take-home. Exams will be completed with pencil and paper. Images of the completed exams will be emailed to the professor at jlacorte@gsu.edu.

We may change from a traditional model to a blended model (or vice versa) if the circumstances imposed by the Coronavirus pandemic require us to do so. Any such change will be announced on iCollege.

Assistance and Working with Other Students

Struggle is an essential component of meaningful education. It should not be feared or interpreted as a lack of innate ability.

In this course, the student will be **expected** to seek help, either from an instructor, from other students, or from a tutor.

You are encouraged to work on your homework with other students in small groups. (Please practice social distancing while doing so.) Discussing problems and concepts with your peers can be a very effective way to sharpen your skills.

A group messaging app (GroupMe) will be used to facilitate networking among students. The Instructor will *not* have access to the group chat—it is for students only.

Equity Statement

Equality means treating everyone the same. **Equity** means giving everyone what they need to be successful. Your Instructor believes in equity in education, and rejects all stereotypes based on race, gender, age, financial circumstances, and country of origin.

You are encouraged to pursue any of the following resources that may be appropriate for you.

- [Learning & Tutoring Center](#)
- [Counseling Services](#)
- [Access & Accommodations Center](#)
- [Embark Program](#)
- [Panther's Pantry](#)
- [Military Outreach Center](#)

Details about each of these resources are given below.

Learning & Tutoring Center

Online tutoring sessions can be scheduled through the [Learning & Tutoring Center](#)'s website.

Counseling Services

The Counseling and Testing Center provides individual counseling sessions, group counseling, couples counseling, and mind-body services that are FREE of charge to enrolled Georgia State University students.

Listed below are some specific examples of concerns which bring students to the Counseling and Testing Center:

- Math anxiety
- Test anxiety
- Stress and general anxiety

Counseling Services may be reached at 678-891-4105.

For locations and more information, see the last page of this document.

Access & Accommodations Center (AACE)

The Access & Accommodations Center (AACE) may be contacted through [their webpage](#) or at their [email address](#).

Students who believe they may need accommodations in this course are encouraged to contact AACE as quickly as possible so that accommodations can be provided in a timely fashion.

Students may only be accommodated upon issuance by AACE of a signed Faculty Accommodation Notification and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought.

 *The student will be held solely responsible for notifying the Instructor of required accommodations on an assignment well in advance of the assignment's due date.*

Embark Program, Panther's Pantry, and Basic Needs Statement

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify your professor if you are comfortable in doing so. This will enable GSU to provide resources that we may possess.

- The [Embark Program](#) provides resources for GSU students facing homelessness.
- [Panther's Pantry](#) provides resources for GSU students facing food insecurity.

Military Outreach Center (MOC)

Perimeter College at Georgia State University honors the military and veteran men and women returning to pursue their educational goals. Resources and support services are provided for military, active duty, National Guard or Reserve, and veteran students, including spouses and dependents.

The Military Outreach Center (MOC) actively maintains information regarding campus resources, communications, and contact with military and veteran students, as well as local VA support services. Our goal is to assist each student with a comfortable transition to achieve academic success.

More information can be found at GSU's [Military Outreach](#) webpage.

Course Description

This course covers: limits and continuity, differentiation, the Mean Value Theorem for derivatives, applications of differentiation, the definition of the integral, the Fundamental Theorem of Calculus, and applications of integration to area.

Prerequisite

MATH 1112 (College Trigonometry) or MATH 1113 (Precalculus) with a grade of C or higher, or an appropriate score on the Math Placement Test.

Content Standards

As a result of completing this course, students will be able to:

1. Investigate limits using algebraic, graphical, and numerical techniques.
2. Investigate derivatives using the definition, differentiation techniques, and graphs. The classes of functions studied include algebraic, trigonometric, inverse trigonometric, exponential, logarithmic, hyperbolic, and implicit.
3. Apply the derivative as a rate of change, optimize functions, use Newton's Method, and sketch curves.
4. Define the definite integral and use Riemann sums to approximate definite integrals.
5. State and apply the Fundamental Theorem of Calculus.

Administrative Withdrawal

If the following conditions are satisfied, you will be reported as "NEVER ATTENDED" and will be administratively withdrawn from the course.

- You do not attend face-to-face class during the first two weeks of the semester.
- You do not create a [Knewton](#) account during the first two weeks of the semester.
- You do not complete at least one homework assignment or quiz on [Knewton](#) during the first two weeks of the semester.

Students who are reported as "NEVER ATTENDED" will be assigned a grade of **W**, and in most cases, will owe tuition money for the course.

Assigned Seats for Contact Tracing

On the first day of in-person class, students should sit only in seats indicated by a blue GSU "Sit Here" label. The Instructor will then create a seating chart. Students should sit in their assigned seats for each in-person class session. If a student becomes ill, the seating chart will help identify those who may have been in close contact.

Required Materials

- **Textbook:** OpenStax *Calculus*, Volume 1.
Required cost: \$0.
 - The textbook can be viewed online at the [OpenStax website](#).
 - The textbook can also be downloaded as a single PDF, either from the [OpenStax website](#) or from the Content tab in our iCollege course.
 - It is not required that you buy a paper copy of the textbook. But students who prefer a paper textbook can buy a hardcover version for about \$45 by [following this link](#) and then clicking “Order a print copy.”
- **Online learning platform:** [Knewton](#).
Required cost: About \$40.
 - All homework and quizzes must be completed on the [Knewton](#) website.
- **Calculator:** Use of a graphing calculator during quizzes and exams is permitted, but is not required.

Course Calendar

A Course Calendar is provided on iCollege in the “Welcome Module.” Please print the Course Calendar. It is suggested that you post it in a convenient place where you will regularly see it, or attach it to a printed copy of the Syllabus.

Attendance Policy

Regular attendance is expected. However, there will be no penalty to the student’s grade for absences.

 *The student is solely responsible for obtaining the notes, assignments, etc., from missed classes.*

Final Grade Calculation

The student will demonstrate competence by earning at least 70% of the total points available through homework, quizzes, and exams.

Final grades will be determined by the following rubric.

10%	Homework average (Knewton)
15%	Quiz average (Knewton)
15%	Exam 1 score
15%	Exam 2 score
15%	Exam 3 score
30%	Final Exam score

The ranges for letter grades are:

A	B	C	D	F
90–100	80–89	70–79	60–69	0–59

For example, a student whose scores are

HW avg.	Quiz avg.	Exam 1 score	Exam 2 score	Exam 3 score	Final Exam score
90	77	76	78	94	90

has a final average of

$$.10(90) + .15(77) + .15(76) + .15(78) + .15(94) + .30(90) = 84.75$$

and will receive a **B** on their transcript for this class.

Requests for extra credit assignments will be ignored, largely because there is no fair way to give extra credit assignments to students on an individual basis. The Instructor may include extra credit problems on exams.

Deadline Extensions

Deadline extensions should be requested *during office hours*.

Be prepared to explain why the extension is needed. If there's a medical reason, supply documentation.

Makeup Exam Policy

NO MAKE-UP EXAMS WILL BE GIVEN. If a student misses an Exam for any reason, their Final Exam grade will be substituted for the missing Exam grade. This substitution will be made for *at most* one missed Exam. A grade of 0 will be automatically assigned for any subsequent missed Exams.

Academic Honesty

All work submitted for credit (on homework, exams, etc.) must be your own. Plagiarism will be severely penalized.

University Closings

In the event of a University Closing, any assignments that were due or scheduled will be due on the date of the next available class.

 Students are expected to regularly check iCollege during a University closing, and will be held responsible for any material or assignments given by the Instructor on iCollege during the closing.

Student-Initiated Withdrawal Policy

The last day for a regular withdrawal is **March 2, 2021**, the midpoint of the semester.

- Students in the associate degree program at Perimeter College at Georgia State University are allowed to withdraw with a grade of **W** a maximum of *three* times.
 - The limit on withdrawals does not apply if a student withdraws from all classes during a semester before the midpoint.
 - However, students are allowed to withdraw from all classes prior to the midpoint *twice* without having their withdrawals count against them.
 - Students who withdraw from a class after the limit has been reached will automatically receive a grade of **WF** in their classes.
 - Although a **W** does not affect your institutional grade point average, a **W** *does* negatively impact your HOPE grade point average. For additional information on this, consult the Financial Aid Office.
 - If you are on financial aid, a **W** may affect your Satisfactory Academic Progress (SAP). Additional information on SAP can be found [online](#).
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Student Illness

If a student develops a fever, cough, or shortness of breath they should stay at home, not go to class or work, and stay away from other people. If a student becomes sick or is required to quarantine during the semester, they should notify the Instructor as soon as possible. The student will work with the Instructor to develop a plan to complete the necessary course content, activities, and assessments in order to meet the course student learning outcomes.

Students in residence halls who report an infection will be asked to return home. For those unable to do so, GSU will provide a sequestered area that will allow residential students to isolate while infected.

Face Coverings

GSU and the University System of Georgia have mandated a face covering policy. Students are required to wear an appropriate face covering while inside campus facilities (classrooms, hallways, elevators, labs and in all other public spaces) because six feet of social distancing may not always be possible. Face coverings will be worn in addition to and not as a substitute for social distancing. Face coverings aren't required in one's own dorm room or suite, when alone in an enclosed office or study room, or in campus outdoor settings where social distancing requirements are met.

I will be wearing my face mask in class this semester, and you are required to wear yours. I know that face masks may make some aspects of class more difficult. It will be harder for us all to project our voices and read each other's facial expressions. However, I am willing to sacrifice these elements since wearing a mask is one thing I can control to support the health and safety of our community. This is a new situation for all of us and if we start the semester off from a place of mutual understanding it will be easier for us all to get through this together. Be aware that wearing a face mask is required by GSU and there is a penalty if you choose to not wear a mask. Our university community has a strong tradition of upholding the value of mutual respect; we therefore ask students to not engage in behavior that would be disruptive to class regarding this policy.

Anyone not using a face covering when required will be asked to wear one or leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code for students. Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons. To request an accommodation, contact the [Access & Accommodations Center](#).

When you wear a face covering, you're protecting yourself, but equally important, you're protecting other members of the university community. You're showing you're taking responsibility for the welfare of those around you.

Sexual Harassment Statement

In instances of sexual misconduct, the Instructor is designated as a Responsible Employee who is required to share with administrative officials all reports of sexual misconduct for university review.

If you wish to disclose an incident of sexual misconduct confidentially, there are options on campus for you to do so.

For more information on this policy, please refer to the Sexual Misconduct Policy in the [GSU Student Code of Conduct](#).

Campus Carry

Information about the 2017 Campus Carry law can be found at the [Frequently Asked Questions](#) page on GSU's website. Questions about the law may also be submitted to GSU's Office of Legal Affairs. It is the student's responsibility to know and comply with local, state, and federal laws. Failure to do so may result in criminal charges, violations of the Georgia State Student Code of Conduct, or both.

- Current state law [\[O.C.G.A. § 16-11-127.1 \(2017\)\]](#) prohibits the possession of a concealed handgun in our classroom under certain circumstances which federal privacy law [\[20 U.S.C. § 1232g; 34 CFR Part 99\]](#) prohibits University employees from revealing.
- Should such a circumstance arise, the Instructor will inform the class that concealed handguns are not permitted during our class for reasons she is legally obligated not to discuss.

**Georgia State University
Counseling and Testing Center
Perimeter Campuses**

Office Locations and Contact Information

Alpharetta:

Building AA, Room 1430

Clarkston:

Building CN, Room 1547

Decatur:

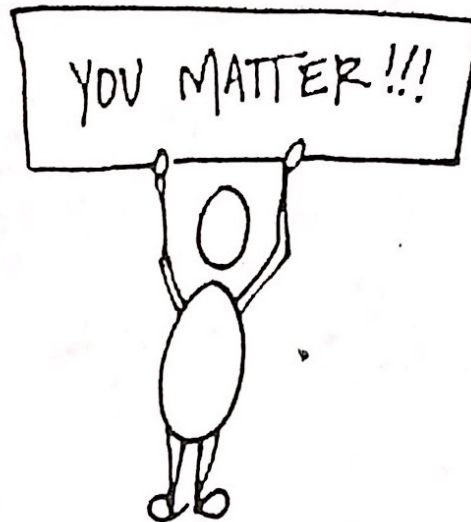
Building SA, Room 3410

Dunwoody:

Building NB, Room 1306

Newton:

Building 2N, Room 2308



**To schedule an
appointment, please call:**

678-891-4105

For emergencies after hours, please call:

After Hours Counseling Line: 404-413-1640

Georgia Crisis and Access Line: 1-800-715-4225

GSU Police: 404-413-3333