

MATH 1499 Syllabus

Support for Intro Calculus, Section SF, 1 Credit

Summer 2026

Instructor Information

Course Coordinator: Thomas Tran, thomas.tran@math.gatech.edu

Instructor: Yanli Hao

Email: yhao98@gatech.edu

General Course Information

Description

This corequisite studio course provides extra precalculus support for students enrolled in Math 1551, Differential Calculus.

Course Learning Outcomes

The purpose of this course is to support students in introductory Calculus classes by refreshing and enhancing their algebra and trigonometry skills. Specific objectives include:

Students will understand the idea of a function, and be able to graph, evaluate, and algebraically manipulate various types of functions.

Students will understand the basic transformations of graphing functions.

Graphs and applications will be applied to polynomial, rational, and transcendental functions, including exponential, logarithmic, and trigonometric functions.

Students will be able to use and apply the various properties of exponential, logarithmic, and trigonometric functions.

Required Course Materials

Algebra and Trigonometry with Interactive Assignments, 4th edition, by Kirk Trigsted.

MyMathLab Course Information: Homework assignments will be posted on MyMathLab.

You will need to purchase a code for MyMathLab in order to complete the on-line homework assignments.

MyMathLab Course ID: to be updated on our Canvas homepage.

MyMathLab comes with an entire electronic version of the textbook; thus, it is not necessary to purchase a hardcopy of the text unless you prefer to do so. You may purchase a MyMathLab code either from the bookstore or on-line at www.pearsonhighered.com.

Grading Policy:

Letter grades will be determined based on the following intervals. You will be guaranteed a minimum of the following scale:

A: 90% and above, B: 80% to less than 90%, C: 70% to less than 80%, D: 60% to less than 70%, F: below 60%.

Your final average will be computed as follows:

Homework, 15%

Classwork, 35%

Quizzes, 50%

Description of Graded Components

HOMEWORK: Homework will be assigned daily on-line on MyMathLab. Most of the daily homework will consist of reading assignments to prepare for the next class lecture. Completing the reading assignments is essential to class participation! At the end of the term, the lowest homework grade will be dropped.

Readings assignments will be due by 11:59 PM on the day before we begin a new topic in class. MML classwork assignments that are not finished during class will be due by 11:59 PM before the next class meeting date. Please see the course schedule on our Canvas homepage for detailed due-date information.

CLASSWORK: Problem solving will be a large part of the class and counts for a major part of the grade. Classwork includes assignments on MyMathLab and attendance. The lowest MML assignment grade will be dropped at the end of the term. For attendance, you have one unexcused absence, i.e., you earn the full attendance grade if you miss no more than one class. If you must miss a class for an excused reason (illness, family emergencies), please be sure to notify me immediately. A written excuse must be provided in order to make-up the missed materials. Your final classwork score is the product of your overall MML assignments grade and your attendance grade.

QUIZZES: The lowest quiz grade will be dropped at the end of the term. No books, notes, calculators, cell phones, or other electronic devices are allowed during the quizzes.

Examinations will be administered in-person and on-campus only. Any requests for flexibility in the exam dates or modes will be denied. Exam make-ups will also be in-person and will only be provided for excused absences, and not for personal travel. No exceptions will be made to the in-person examination policy, so please be sure you will be present on campus for those dates.

No books, notes, calculators, cell phones, or other aids or electronic devices are allowed during quizzes, exams, or any other proctored assessment, unless students have accommodations allowing a basic four-function calculator and/or a formula sheet, approved by the course instructor or the course coordinator.

Course Policies

Attendance and/or Participation

You are expected to come prepared and actively participate in the class sessions. In the event of an absence, you are responsible for all missed materials, assignments, and any additional announcements or schedule changes given in class.

Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review [Georgia Tech's Honor Code](#) and the student [Code of Conduct](#).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. [The Student-Faculty Expectations](#) articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Pre- &/or Co-Requisites

Prerequisites: MATH SECTION SCORE 590 or ACT Math 25 or Undergraduate Semester level MATH 1113 Minimum Grade of D

Extra Credit Opportunities

We really value your input and feedback on this course, as part of your active role in your education. If at least 70% of each lecture section fills out the CIOS survey by 5pm on TBD, 1% will be added to your final course average.

Collaboration, Group Work, and Use of Generative AI

While students may collaborate on the weekly homework problems, any work turned in must be submitted individually by each student. Copying directly from any source is not allowed.

No collaboration of any kind, whether verbal, non-verbal, electronic or in-person, will be permitted on the class assessments.

Extensions, Late Assignments, & Re-Scheduled/Missed Exams

Online homework will be accepted late, with a 20% deduction in the overall score for each day past the due date. If you will miss a deadline due to a university-sponsored event or athletics, please provide your instructor with the official documentation in advance.

In an emergency situation, a make-up assignment or due date extension may be allowed if your instructor is notified prior to the deadline or exam date and provided with a reasonable, written confirmation of your absence with a valid excuse (for example, illness, family emergencies, religious holidays, or institute-approved absences). Personal travel is not a valid reason for missing an assessment, so please plan any personal travel days around our scheduled exam dates.

Make-ups cannot be used to “retake” a quiz, and any student who has seen or taken the original quiz is not eligible to take a make-up. Makeups must be completed before the papers have been graded and returned to other students.

All makeup quizzes will be administered on TBD as a standard makeup time for all students who have missed the same assessment.

If a student needs to miss multiple assessments and multiple make-up dates for non-academic reasons, they should instead discuss the possibilities of an incomplete or course withdrawal with their instructor.

Inclement Weather and Digital Learning Days

In cases where campus may be physically closed due to events such as inclement weather, a digital learning day may replace in-person classes. Should this event occur on a class day, then class will either be streamed live, or a recording will be posted for students to watch asynchronously. No lecture attendance or studio participation will be counted on a digital learning day and classwork points will be adjusted accordingly. If a digital learning day occurs on a quiz date, then the quiz will be rescheduled. The instructor reserves the right to consider many possible modes for rescheduling a missed assessment, including possible changes to the weightings of assignments if the assessment cannot be rescheduled.

Student Use of Mobile Devices in the Classroom

Put away all cellphones and other electronic devices (as they can be very distracting!), except for tablets used solely for taking notes. If a computer is needed for notetaking, students must notify and obtain permission from their instructor in advance.

Additional Course Policies

Course Organization: This course will consist of in-person, problem-based studios. You are expected to attend all scheduled sessions at all times.

As your instructor, my role is to facilitate the studios, coordinate our learning with the MATH 1551 instructor, provide you with ample assignments and assessments to gauge your understanding and knowledge of the subject matter, provide feedback on your performance, and be available for assistance when needed.

As students, you are expected to take your responsibility seriously, attend and participate in all of the class discussions, behave in a respectful manner to your instructor and fellow students at each class meeting, complete all assignments in a timely and professional manner, study the subject matter outside of class time, and ask for help when necessary.

Note on class modes and illness: The instructor hopes to provide an in-class experience for students as much as possible this semester. However, at times, it may be necessary for classes to move online due to illness/isolation of the instructor. We will notify students as soon as possible if any classes will meet online. We also strongly encourage students who are sick to stay home, so that we can safely continue to offer as many in-person events as possible. As class recordings are available to accommodate students who cannot physically attend class, please, stay home if you are sick!

Health-Related Considerations: Please see information about health-related concerns at <http://health.gatech.edu/coronavirus/students>. In particular, all students are asked to

perform a self-assessment prior to coming to campus each day. Please do not come to an in-person lecture or studio if you are sick.

Face Coverings: The University System of Georgia encourages people to wear masks based on their preference and assessment of personal risk. Thank you for respecting each individual's choice. Instructors or TAs at higher risk of illness may request that you wear a mask during in-person office hours. Please accommodate this request if you are able to do so. Your cooperation and understanding on this matter are much appreciated.

Netiquette: Netiquette is the etiquette of online behavior. In all means of online communication, you will need to follow the same rules of behavior as you would in a face-to-face course when communicating with the other students, teaching assistants, and instructors in the class. This means that you must show respect for others: negative personal comments are strictly prohibited. Unprofessional, abusive or accusatory comments are not allowed on class websites, including but not limited to Piazza. Students may post anonymously to other classmates on our Piazza page; however, instructors always have student identifying information. We reserve the right to remove student comments when necessary and report inappropriate behavior to the Dean's office as a violation of the student code of conduct.

Group Work and Respecting Others: You may find yourself working in groups many times in this course, either during class sessions or studying with your peers. In all forms of group work, it is important to respect one another. Some examples of positive collaborative behavior include:

Allowing all group members to speak frequently. Please check in with each other to ensure that everyone is following along and has a chance to contribute.

Respecting everyone's unique identities.

Acknowledging that everyone in the group deserves credit for your final solutions.

If you are assigned to a group that does not follow these behaviors, or if you feel that you are not respected by your group, please let us know.

Recordings of Class Sessions and Required Permissions: Classes may not be recorded by students without the express consent of the instructor unless it is pursuant to an accommodation granted by the Office of Disability services. Class recordings, lectures, presentations, and other materials posted on Canvas are for the sole purpose of educating the students currently enrolled in the course.

Students may not record or share the materials or recordings, including screen capturing or automated bots, unless the instructor gives permission.

For classes where participation is voluntary, students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded.

For classes requiring class participation, if students are identifiable by their names, facial images, voices, and/ or comments, written consent must be obtained before sharing the recording with persons outside of currently enrolled students in the class.

Please note: if a student is found responsible for academic misconduct and assigned a grade of “0” on an assessment per the Office of Student Integrity, then that “0” grade must count in the final average and cannot be dropped.

Regrading of Papers: If a problem on your paper has been graded in error, you must submit a regrade request through Gradescope no more than one week after the papers have been returned in class. Please note the following:

Please check the solutions before you submit a regrade request; if your work is incorrect, you may not be eligible for a regrade.

A regrade request should only be submitted if we made an error in the grading, which means you have done something CORRECT on your paper that has been marked as incorrect.

Regrades are NOT to be used to randomly ask for more partial credit or to argue with our grading rubric. Students who abuse this policy will have one point deducted from the assessment grade for each violation.

Papers submitted for regrades could be adjusted up or down, as we will need to regrade the entire problem.

If you only wish to know what you missed, or if you are not sure whether or not your work may qualify for a regrade, please see your instructor before submitting a regrade request.

Please keep your comments cordial and professional. We reserve the right to submit rude comments to the Dean’s office as violations of the student code of conduct.

Missing/Incorrect Grades: The one-week policy to ask for regrades applies to every score you may see in the gradebook, even if it was not graded via Gradescope. On Canvas, if your grade is not reported, that means we do not have a submission from you for that assignment. If your submission score is listed as “0” or is not posted on Canvas, you will also have one week after scores are posted or papers have been returned to report a missing grade. After that time, hard copies of the papers may be shredded, and any unreported submissions will be scored as a “0”. It is every student’s obligation to check Canvas regularly and report grading errors promptly to their instructor.

Calculators: While you may need a calculator for help with some of the homework problems, the use of calculators is not allowed on in-class assessments.

Announcements: You are responsible for obtaining any announcements or materials placed on the course Canvas pages. We also strongly encourage you to check announcements that may be posted on Piazza. Please see the list of important websites on the first page of the syllabus.

Statement of Intent for Inclusivity: As a member of the Georgia Tech community, I am committed to creating a learning environment in which all of my students feel safe and included. Because we are individuals with varying needs, I am reliant on your feedback to achieve this goal. To that end, I invite you to enter into dialogue with me about the things I can stop, start, and continue doing to make my classroom an environment in which every student feels valued and can engage actively in our learning community.

Please note: items on the syllabus and course schedule are subject to change. Any changes to the syllabus and/or course schedule will be relayed to the students in class and through Canvas announcement.

Campus Resources for Students

Undergraduate Student Academic Success Resources:

MATH 1499 Tutoring and Academic Support:

Please refer to the course Canvas homepage for instructors' office hours. You are welcome to attend any instructor's office hours, regardless of your section.

Additional Help in the Math Lab: Asking questions is a key to success! Free "walk-in" help is available Monday-Friday in the "Math Lab" for 1000-3000 level courses. You can view the schedule at <https://tutoring.gatech.edu/drop-in/>. The Math Lab is located in Clough 280.

1-to-1 and Small Group Tutoring with UTAs: [Free 1-to-1 and Small Group Tutoring in-person](#) is available for 1000 and 2000 level classes. Tutoring is available with any UTA by appointment here: [UTA Tutoring](#) and will be located in Skiles 230.

Additional Tutoring and Academic Support:

You may find that you're a little uncertain you're prepared for this course, or that some of the background is giving you trouble- in this case, check out our [Precalc & Algebra Review Help page](#) for more careful suggestions.

The Math Lab is staffed by grad students in the Math program- including some of your TAs! They offer free drop-in tutoring in Clough 280- see the posted hours and schedule here: <https://www.math.gatech.edu/tutors-and-labs>. Anyone who is listed as a 1551 tutor can help you, and anyone who isn't probably can too.

1-to-1 Tutoring is a Tech-wide service offering free private tutoring by appointment- for more info and to schedule, see [1-to-1 Tutoring – Tutoring & Academic Support \(gatech.edu\)](#). You can also access free in-person and online tutoring through the Tech Knack site, <https://www.joinknack.com/school/georgia-institute-of-technology>.

PLUS (Peer-Led Undergraduate Study) Sessions are a great way to enhance your study time- a peer leader will prepare some extra problems for you to work through with your peers- this is a great way to solidify your understanding of concepts and meet people to form other study groups. For more info, see [PLUS – Tutoring & Academic Support \(gatech.edu\)](#) and keep your eyes open for announcements about the schedule for our course.

OMED Academic Support offers free drop-in tutoring too, as well as some other general services: [Academic Support | OMED | Georgia Institute of Technology | Atlanta, GA \(gatech.edu\)](#).

The Office of Undergraduate Education (OUE) has a great "First Year Success" talk series- you can find more info here: [First-Year Student Success Series – Academic Success & Advising \(gatech.edu\)](#)

General tutoring and Academic Support: Check out [Tutoring & Academic Support \(gatech.edu\)](#).

Your Academic Advisor is a good resource as well for general questions and advice- you can schedule an appointment with them here: [Homepage | Advising & Transition \(gatech.edu\)](#).

Academic Success and Advising (a unit in the Office of Undergraduate Education & Student Success) provides free support for your courses. Students can attend scheduled supplemental review (PLUS) sessions, stop by Drop-In Tutoring, or schedule a one-on-one appointment through Knack. To explore what options work best for you, please visit us online at success.gatech.edu/tutoring, email us at tutoring@gatech.edu, or come see us at Clough Undergraduate Learning Commons, Suite 283.

Personal Support

Georgia Tech Resources

Dean of Students Office, CARE Center, Counseling Center, Stamps Health Services, and the Student Center: The [CARE Center](#) and the [Counseling Center](#), Stamps Health Services, and the Dean of Students Office will offer both in-person and virtual appointments. Student Center services and operations are available on the [Student Center](#) website. For more information on these and other student services, contact the Dean of Students or the [Division of Student Life](#).

The Office of the Dean of Students: <http://studentlife.gatech.edu/content/services>; 404-894-6367; Smithgall Student Services Building 2nd floor

You also may request assistance at https://gatech-advocate.symplicity.com/care_report/index.php/pid383662?

Counseling Center: <http://counseling.gatech.edu>; 404-894-2575; Smithgall Student Services Building 2nd floor

Services include short-term individual counseling, group counseling, couples counseling, testing and assessment, referral services, and crisis intervention. Their website also includes links to state and national resources.

Students in crisis may walk in during business hours (8am-5pm, Monday through Friday) or contact the counselor on call after hours at 404-894-2204.

Students' Temporary Assistance and Resources (STAR): <http://studentlife.gatech.edu/content/need-help>

Can assist with interview clothing, food, and housing needs.

Stamps Health Services: <https://health.gatech.edu>; 404-894-1420

Primary care, pharmacy, women's health, psychiatry, immunization and allergy, health promotion, and nutrition

OMED: Educational Services: <http://www.omed.gatech.edu>

Women's Resource Center: <http://www.womenscenter.gatech.edu>; 404-385-0230

LGBTQIA Resource Center: <http://lgbtqia.gatech.edu/>; 404-385-2679

Veteran's Resource Center: <http://veterans.gatech.edu/>; 404-385-2067

Georgia Tech Police: 404-894-2500

Student Well-Being:

At Georgia Tech, we are concerned about your overall physical, social, and mental well-being. A [comprehensive list](#) of wellness related resources has been compiled and

maintained by the Office of the Vice President for Student Engagement and Well-being
(<https://students.gatech.edu/student-resource-guide>)