MATH 1499 Support for Intro Calculus

GEORGIA TECH EUROPE

COURSE SYLLABUS

Updated on Feb 3, 2026

Welcome to Math 1499! This course is designed to refresh your pre-calculus skills to support your study of differential calculus Math1551. All of our students play an important role in our educational mission. We hope that you will find this to be a useful, fundamental course for your future studies.

Course Description

Course prefix : MATH **Course number :** 1499 **Section :** R

Semester : Fall **Academic Year :** 2026

Course Meeting Times : **TBA**

Instructor Contact Information

Instructor First Name : Hyun Jeong **Instructor Last Name :** KIM

E-mail: hkim3224@gatech.edu **Office**: 303 **Office Hours**:

Textbook

Calculus: Early Transcendentals, 14th ed. by G. B. Thomas Jr. Pearson. ISBN 978-1292253220. Select topics from chapter AR and 1 will be covered.

MyMathLab Course Information: Homework assignments will be posted on MyMathLab which can be accessed through Canvas. Your access code bought for Math1551 assignemnts will give the access to Math1499 assignments as well.

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 .

Prerequisite, Learning Outcomes and Topics

Prerequisites:

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

Learning Objectives:

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.

Assessments & Information

HOMEWORK: There will be 13 weekly homework assignments. One weekly homework consists of one MML reading assignment due Mondays and one MML classwork due Thursdays.

At the end of the term, **two** lowest weekly homework grades will be dropped. Late homework will be accepted 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. Please **do not ask for an extension** for due dates.

- **Reading assignments** will be due by Mondays 11:59 PM on the materials to be covered on Tuesday. Each week on Monday, lessons will be posted on Canvas. There is no Lecture for Math1499 but just two studios. You are supposed to learn lessons by yourself and be ready to work on worksheets on Tuesday. You **must** read weekly lesson before you complete the reading assignment. Please see the course schedule on the last two pages of the syllabus for detailed due-date information and the topic coverage.

- **MML Classwork** will be discussed on Thursday during Studio. Problem solving will be a large part of the class and counts for a major part of the grade. 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. Any classwork assignments not completed in class on Thursday are due by 11:59pm on the same day.

- **Short Quizzes (5 minutes)** will be given at the beginning of Tuesday classes. It consists of selected questions (identical) from Lessons of the week. This is to ensure that you really do read and learn lessons before Tuesday. Each short quiz is graded out of 2 points, and the total is 8% of the final grade. Two lowest quiz scores will be dropped.

TESTS: We will have **four 50-minute tests** during the term. Tests will be administered on the following Thursdays during the second half of classes : **Sep 10, Oct 8, Nov 5 and Nov 26.** Each test will be graded out of 25 points.

PARTICIPATION: Attending class is important. Class attendance and participation will be recorded and scored on a 0-2 scale. The scale is determined as follows: 2 points for above 90%, 1 point for above 80, and 0 otherwise. 0.5 pt Bonus for above 95% participation. Late arrivals and early departure will be also noted as Late and three lates count for one absence.

No Final Exam : There will be no Final exam for Math1499.

Grades

Assessment	Weight
Participation	2%
Short Quizzes	8%
MML Reading assignments	15%
MML Classwork	25%
4 Tests	50%

A **midterm grade** will be assigned around **Oct 5**. A satisfactory grade will be assigned to all students with a midterm average of 70% or higher.

Letter grades will be determined based on the usual intervals. **A**: 90% and higher, **B**: [80%, 90%), **C**: [70%, 80%), **D**: [60%, 70%), **F**: [0%, 60%). For example, a final grade of 89.99% is converted into a B, a final grade of 79.99% is converted into a C, and so on. There will be NO changes to these intervals because there will be an appropriate curve or make-up test depending on the average for each test. No individual curve, extra credits, or

make-up exam (except for justified absences.) Please do NOT email me asking for extra credits.

Expectations

Students

Students are expected to attend lectures and recitations and behave at all times in a respectful manner to their instructor, teaching assistants, and fellow students. Students are expected to study the subject matter outside of class time, review this syllabus, review their graded work in a timely manner for potential marking errors and to review where mistakes were made (if any), and ask for help when needed. Students are responsible for obtaining any announcements or materials posted on Canvas, sent by email or communicated orally in class.

Instructor

As your instructor, my role is to facilitate interactive lectures, coordinate with teaching assistants to grade student work and facilitate learning activities, provide students with assessments that both develop and measure their understanding and knowledge of the subject matter, provide feedback on their performance, provide solutions to midterms, and be available for assistance when requested.

Preparing for Tests

Practice materials and additional office hours will be offered prior to each test. Depending on your goals, you may need to complete additional work beyond homework, worksheets, and practice materials to adequately prepare for them.

Tests Policies

Tests Procedures

- Books, notes, cell phones, and calculators are NOT allowed during tests.
- Students may have something to write with and an eraser when taking tests.
- Unless students are asked to use a particular method or theorem, they are allowed to use any approach to solve any problem they are given on any test.
- Unless indicated otherwise, students must adequately justify their reasoning for full marks.
- Marks can be taken off in a test for not using the correct notation.
- Students who are unable to take any test for any reason are responsible for notifying their instructor prior to the exam and as soon as possible.
- Tests will be returned to students in class.

Re-grade Requests for Tests

1) If any of your work has been graded in error, you should contact your **instructor** as soon as possible.
2) Teaching assistants are not permitted to handle re-grade requests.
3) Should you wish to have your work re-graded, do not change or add to the work on your paper.
4) A re-grade request can only be submitted if you did something correct that was marked as incorrect.
5) Re-grade requests **must be requested within two weeks** after the work has been returned to you.
6) You must check your answers with the solutions before submitting such a request.
7) To submit a re-grade request, you must send your instructor an email from your GT email account that contains your first and last name, the midterm you are referring to, the question(s) you are referring to, and a description of what was graded incorrectly.

Illnesses, Emergencies, Absences

Students who will miss a midterm or final exam due to a university-sponsored event or athletics should provide their instructor with the official documentation in advance. Any student who misses a test, with reasonable explanation, can write a make-up. Students must notify their instructor as soon as they can to make necessary arrangements.

Re-Scheduled/Missed Exams

NO MAKE-UP EXAMS! In general, no make-up exams will be given and any missed exam results in a "0" score.

- If you have a valid reason to request a make-up exam, please contact me as early as possible. Only extraordinary cases will be considered.
- If you are sick before a test to study or on the day of a test, you must notify me as soon as possible. There will be a make-up the following week. If you sat in a test, however, there will be no Make-up.
- There will be no early test or make-up test allowed for individual travel plans in any circumstance.
- Requests for student organization excused absences must be made no later than two weeks prior to the date of the event. No late requests will be honored. Please have your advisor send me a written notice or an e-mail.
- Students who are absent because of participation in a particular religious observance will be permitted to make up the work missed during their absence with no late penalty, provided the student informs me of the upcoming absence, in writing, within the first two weeks of class, and provided the student makes up the missed material within the timeframe established by the course instructor.
- If you have off campus interviews for jobs or graduate/professional schools on the test dates, please contact me as early as possible with a supporting document.

Class Policies

Attendance

In the event of an absence, you are responsible for all missed materials, assignments, and any additional announcements or schedule changes given in class. Class disruptions of ANY kind will NOT be tolerated and may result in your removal from the classroom. Please show courtesy to your fellow classmates and instructor by adhering to the following class rules.

- Come to class **on time** and stay for the entire class period. Late arrivals and early departures will be marked as Late on Canvas.
- **Refrain from conversing** with your fellow students while the instructor is lecturing.
- Put away any reading materials unrelated to the course.
- **No laptop or cell phones are allowed on the tables**. Please keep them in your bag as these are distraction to yourself and others.
- **Please do not bring food to eat during lectures**. No food is allowed in the classroom as it is GT-Europe policy. You may bring your water.

Academic Dishonesty

All students are expected to comply with the Georgia Tech Honor Code (see http://www.policylibrary.gatech.edu/student-affairs/code-conduct). Any evidence of cheating or other violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students. Cheating includes, but is not limited to the following.

Using a calculator, cell phone, books, or any form of notes on exams.

Copying directly from **any** source during an exam, including friends, classmates, or a solutions manual.

Allowing another person to copy your work. Taking a test using someone else's name or having someone else take a test in your name.

Asking for a re-grade of a paper that has been altered from its original form.

Using someone else's name to gain participation points for them, or to take tests for them, or asking someone else to use your identity for any graded or participation submission.

Students with Disabilities and/or in need of Special Accommodations

Georgia Tech complies with the regulations of the Americans with Disabilities Act of 1990 and offers accommodations to students with disabilities. If you are in need of classroom or testing accommodations, please make an appointment with the ADAPTS office to discuss the appropriate procedures. More information is available on their website, http://www.adapts.gatech.edu

Campus-Wide Dates

(please check with Registrar for possible updates)

Aug 19 (Wednesday) First day of class

Oct 05 Progress report

Oct 26 – Nov 01 Fall Break

Nov 30, Dec 01 Final Instructional Class days

Dec 02 Reading Day

Dec 03, 10 Reading periods 8:00 am to 2:40 pm

Dec 03 - 10 Final Exams Session

For further information on campus-wide dates see http://www.registrar.gatech.edu/calendar

The date and time of the final exam is scheduled by the registrar.

TENTATIVE SCHEDULE

Week	Monday	Tuesday	Thursday
1			Aug 20 Syllabus / MML settings
2	Aug24 Reading assignment 1 due 11:59pm	Aug 25 Short Quiz on Lesson 1 Worksheet 1 : Factoring and rational expressions	Aug 27 MML Classwork 1 : Classwork not completed in class is due 11:59pm
3	Aug 31 Reading assignment 2 due 11:59pm	Sep 1 Short Quiz on Lesson 2 Worksheet 2 : Functions and piecewise functions	Sep 3 MML Classwork 2 : Classwork not completed in class is due 11:59pm
4	Sep 7 Reading assignment 3 due 11:59pm	Sep 8 Short Quiz on Lesson 3 Worksheet 3 : Exponents and Equations	Sep 10 **Test 1** on Worksheets 1-2 for 50 minutes MML Classwork 3 due 11:59pm
5	Sep 14 Reading assignment 4 due 11:59pm	Sep 15 Short Quiz on Lesson 4 Worksheet 4 : Composite functions	Sep 17 MML Classwork 4 : Classwork not completed in class is due 11:59pm
6	Sep 21 Reading assignment 5 due 11:59pm	Sep 22 Short Quiz on Lesson 5 Worksheet 5 : Basic functions and graphs	Sep 24 MML Classwork 5: Classwork not completed in class is due 11:59pm
7	Sep 28 Reading assignment 6 due 11:59pm	Sep 29 Short Quiz on Lesson 6 Worksheet 6 : Quadratic functions	Oct 1 MML Classwork 6 : Classwork not completed in class is due 11:59pm
8	Oct 5 Reading assignment 7 due 11:59pm	Oct 6 Short Quiz on Lesson 7 Worksheet 7 : Angles, Trig functions, Unit circle	Oct 8 **Test 2** on Worksheets 3-6 for 50 minutes MML Classwork 7 due 11:59pm
9	Oct 12 Reading assignment 8 due 11:59pm	Oct 13 Short Quiz on Lesson 8 Worksheet 8 : Sine, cosine, tangent and Trig equations	Oct 17 MML Classwork 8 : Classwork not completed in class is due 11:59pm
10	Oct 19 Reading assignment 9 due 11:59pm	Oct 20 Short Quiz on Lesson 9 Worksheet 9 : Exponential and Logarithmic functions	Oct 22 MML Classwork 9 : Classwork not completed in class is due 11:59pm
11	Fall Break	Fall Break	Fall Break
12	Nov 2 Reading assignment 10 due 11:59pm	Nov 3 Short Quiz on Lesson 10 Worksheet 10 : One-to-one and Inverse functions	Nov 5 **Test 3** on Worksheets 7-9 for 50 minutes MML Classwork 10 due 11:59pm
13	Nov 9 Reading assignment 11 due 11:59pm	Nov 10 Short Quiz on Lesson 11 Worksheet 11 : Exponential and Logarithmic Equations	Nov 12 MML Classwork 11 Classwork not completed in class is due 11:59pm
14	Nov 16 Reading assignment 12 due 11:59pm	Nov 17 Short Quiz on Lesson 12 Worksheet 12 : Inverse Trig Functions	Nov 19 MML Classwork 12 : Classwork not completed in class is due 11:59pm
15	Nov 23 Reading assignment 13 due 11:59pm	Nov 24 Short Quiz on Lesson 13 Worksheet 13 : Sketching Polynomials	Nov 26 **Test 4** on worksheets 10-12 for 50 minutes MML Classwork 13 due 11:59pm
16		Dec 1 Last day of Class Review for Math1551 Final	