

**SYLLABUS MATH 0999, Support for College Algebra****“Support Class”**

This course will be delivered in-person. You are expected to attend all scheduled sessions.

**Instructor and Contact Information**

**Instructor:** Yanli Hao

**E-mail:** [yhao98@gatech.edu](mailto:yhao98@gatech.edu)

**Office:** Skiles 014

**Office Hours:** Fridays 12:30-2:30pm and by appointment via Email

**Course Description and Course Description**

**Course Title:** MATH 0999, Support for College Algebra

**Course Meeting Times and Location:** M/W, 9:30-10:20am, Section A1, Skiles 317

**Course Institution:** GEORGIA INSTITUTE OF TECHNOLOGY

**Description:** MATH 0999 is intended to support college algebra students to encourage their success. This course will incorporate pre-requisite skills needed for college algebra as well as just-in-time review.

**Course Objectives**

The primary goal of Math 0999 is to prepare students to succeed in upper-level courses. To this end our course is designed to:

1. Prepare students to apply fundamental concepts of Algebra
2. Help students refine their learning strategies to help them succeed in a college level math course

**Course Websites**

**Course Information:** Canvas (*required*)

**Course Expectations**

As your instructor, my role is to prepare you for future math courses at Georgia Tech, 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 meetings, 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.

Student-Faculty Expectations guidelines can be found at <http://www.catalog.gatech.edu/rules/22/>.

### Course Information

**SYLLABUS QUIZ:** Short introduction quiz posted on Canvas.

**ACADEMIC SKILLS VIDEOS AND QUIZZES:** You will watch and complete video quizzes on academic skills (i.e. Time Management, etc.)

**ACADEMIC SKILLS ASSIGNMENTS:** You will complete several assignments posted on Canvas based on academic skills (semester at a glance, etc.)

**WORKSHEETS:** You will complete worksheet assignments for pre-requisite and just-in-time review of Math 1111 content. These are graded assignments. **Worksheets are always due at the end of class in which they are assigned.**

**TAKE HOME FINAL EXAM:** You will complete a take home final exam which will cover pre-requisite concepts and Math 1111 content. This is a graded assignment for this course.

### Grading System

*Your final grade will be computed as follows:*

Syllabus Quiz	2%
Academic Skills Videos and Quizzes	14%
Academic Skills Assignments	14%
Worksheets	60%
Take Home Final Exam	10%

*The standard 10-point scale will be used to assign letter grades, but the cut-offs may be lowered to arrive at a standard distribution for the course:*

A: [90%, 100%]; B: [80%, 90%]; C: [60%, 80%]; F: [0, 60%)

### CIOS Incentive

To help encourage students to complete the CIOS survey, if the completion rate is above 85% for an entire class by the end of the semester, then the lowest 1 worksheet will be dropped.

### Class Policies

**Attendance:** You are expected to come prepared and actively participate in every class session. In the event of an absence, you are responsible for all missed materials and any additional announcements or schedule changes given in class. The instructor is not responsible for re-teaching missed information. Students should refer to the class calendar to know what information was covered while they were not in class. Students are advised to get contact information from a fellow classmate who they can contact if they need to get copies of notes.

Students who are absent because of participation in approved Institute activities (such as field trips, professional conferences, and athletic events) will be permitted to make up the work missed during their absences. Approval of such activities will be granted by the Student Academic and Financial Affairs Committee of the Academic Senate, and statements of the approved absence may be obtained from the Office of the Registrar.

In the event of a medical emergency or an illness that is severe enough to require medical attention, students are responsible for contacting the Office of the Vice President and Dean of Students (Division of Student Life) as soon as possible to report the medical issue or emergency, providing dated documentation from a medical professional and requesting assistance in notifying their instructors.

More information can be found at <http://www.catalog.gatech.edu/rules/4/>

**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. All students are expected to comply with the Georgia Tech Honor Code.

**Class disruptions of ANY kind will NOT be tolerated and may result in your removal from the classroom.**

- **1<sup>st</sup> interruption = verbal warning**
- **2<sup>nd</sup> interruption = verbal warning and may be asked to leave the classroom**
- **3<sup>rd</sup> interruption = verbal warning, may be asked to leave the classroom, and reported to OSI**

**Please show courtesy to your fellow classmates and instructor by adhering to the following class rules:**

- Turn off and put away all food and electronic devices, unless you have a *documented* medical need or other need to use such devices for note-taking, during class. (An electronic device exception will be made when using math software such as Learning Catalytics which may be part of class discussion.)
- Come to class on time and stay for the entire class period.
- Refrain from conversing with your fellow students while the instructor is speaking.
- Put away any reading materials unrelated to the course.
- Students will raise their hand and wait to be addressed before speaking during lecture.
- No sleeping allowed.
- Light snacks only.

**Cheating includes, but is not limited to:**

- Using an unapproved calculator, books, or any form of notes on tests.
- Copying directly from **any** source, including friends, classmates, tutors, internet sources (including Wolfram Alpha, Mathway, etc.), or a solutions manual.
- Allowing another person to copy your work.

- Sharing work with others.
- Taking a test or quiz in someone else's name or having someone else take a test or quiz in your name.
- Asking for a regrade of a paper that has been altered from its original form.
- Using someone else's clicker to gain attendance points or to take quizzes or tests for them or asking someone else to use your clicker for any graded or attendance submission.
- Bring Buzz Card ID so I may verify your identity.

The honor code can be found at <http://www.policylibrary.gatech.edu/student-affairs/code-conduct>. **Any student suspected of cheating or plagiarizing on an assignment, quiz, or exam will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.**

**Make-Ups:** Make-ups will be allowed for university-sponsored events, illness, and death in the family. To complete a make-up, written documentation from the Office of the Registrar or Division of Student Life must be received. The make-up **must not exceed 1 week** from missed assignment.

**Accommodations for Students with Disabilities:** Georgia Tech complies with the regulations of the Americans with Disabilities Act and offers accommodations to students with disabilities. If you are in need of classroom or testing accommodations, please make an appointment with disability services to discuss your needs and to obtain an accommodations letter.

More information is available on their website, <http://disabilityservices.gatech.edu/>. Please also make an appointment with me to discuss your accommodation, and learning needs.

**Calculators:** While you may need a scientific calculator for help with some of the homework problems, the use of calculators is **NOT ALLOWED** on quizzes, exams or presentations.

**Announcements:** I will frequently update the class pages with class information and materials. *You are responsible for obtaining any announcements or materials placed on Canvas ([canvas.gatech.edu](https://canvas.gatech.edu)).*

**Additional Help:** *Asking questions is a key to success!* Please stop by my office hours whenever you have questions. My goal is to help you succeed! Free walk-in help is also available Monday-Friday afternoons in the

**Math Lab:** Please visit <https://tutoring.gatech.edu/drop-in/> for more information.

### 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.

### Course Content

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

- 1) Take complete math notes
- 2) Learn to prepare for a math exam
- 3) Perform basic math operations (including fractions)
- 4) Order of Operations
- 5) Scientific Notation
- 6) Inequalities and Interval Notation
- 7) Solve Linear Equations
- 8) Graph Lines
- 9) Factor Polynomials
- 10) Expressions involving roots
- 11) Complex Numbers
- 12) Solve quadratic equations
- 13) Simplify rational expressions

### **Important Dates**

**24 Aug** – First Day of Classes

**28 Aug** – Last day to register, make schedule changes, and/or drop courses without a "W" grade

**7 Sept** – Labor Day (No Classes)

**5 and 6 Oct** – Fall Break (No Classes)

**31 Oct** – Withdrawal

**25, 26 and 27 Nov** – Thanksgiving Break (No Classes)

**7 Dec** – Final Instructional Day

**9 Dec** – Reading Day

**10- 17 Dec** – Final Exam Week

In your time at Georgia Tech, you may find yourself in need of support. Below you will find some resources to support you both as a student and as a person.

### Academic Support

- Tutoring & Academic Support <http://tutoring.gatech.edu>
  - Knack Tutoring
  - Peer-Led Undergraduate Study (PLUS)
  - Commons/Drop-In Tutoring (Including the Math Lab)
- Undergraduate Advising & Transitions <http://advising.gatech.edu/coaching>
  - Academic Coaching
  - Exploratory Advising
- Residence Life's Learning Assistance Program  
<https://housing.gatech.edu/learning-assistance-program>
  - Drop-in tutoring for many 1000 level courses
- OMED: Educational Services (<http://omed.gatech.edu/programs/academic-support>)
  - Group study sessions and tutoring programs
- Communication Center (<http://www.communicationcenter.gatech.edu>)
  - Individualized help with writing and multimedia projects
- Academic advisors for your major  
<http://advising.gatech.edu/>

### Personal Support

#### Georgia Tech Resources

- The Office of the Dean of Students: <http://studentlife.gatech.edu/content/services>; **404-894-6367**;  
Smithgall Student Services Building 2<sup>nd</sup> floor
  - You also may request assistance at [https://gatech-advocate.symplicity.com/care\\_report/index.php/pid383662?](https://gatech-advocate.symplicity.com/care_report/index.php/pid383662?)
- The Center for Assessment, Referral and Education (CARE): [care.gatech.edu](http://care.gatech.edu); **404-894-3498**
- Counseling Center: <http://counseling.gatech.edu>; **404-894-2575**; Smithgall Student Services Building 2<sup>nd</sup> 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**

**Tentative Course Schedule**

Please use this as an approximate class schedule; section coverage may change depending on the flow of the course.

Monday	Tuesday	Wednesday	Thursday	Friday
8/24 Syllabus Day	8/25	8/26 Pre-Test  Time Management Discussion Time Management Video/Quiz	8/27	8/28
8/31 Worksheet #1 (P.1, P.2)	9/1	9/2 Worksheet #2 (P.3, P.4) Semester-at-a-Glance DUE Welcome Module Due	9/3	9/4
9/7 Labor Day– No Classes	9/8	9/9 Worksheet #3 (P.5, P.6) Weekly Schedule DUE	9/10	9/11
9/14 Exam Debrief #1	9/15	9/16 Worksheet #4 (1.1, 1.2) Note Taking Video/Quiz	9/17	9/18
9/21 Worksheet #5 (1.4)	9/22	9/23 Worksheet #6 (1.5, 1.6) Study Strategies Video/Quiz	9/24	9/25
9/28 Worksheet #7 (1.7)	9/29	9/30 Exam Debrief #2 Bad Grade Video/Quiz	10/1	10/2
10/5 Fall Break – No Classes	10/6 Fall Break – No Classes	10/7 Worksheet #8 (2.1)	10/8	10/9
10/12 Worksheet #9 (2.2, 2.3) Academic Stress Video/Quiz	10/13	10/14 Worksheet #10 (2.4)	10/15	10/16
10/19 Worksheet #11 (2.5)	10/20	10/21 Worksheet #12 (2.6, 2.7)	10/22	10/23
10/26 Worksheet #13 (2.8)	10/27	10/28 Exam Debrief #3	10/29	10/30
11/2 Worksheet #14 (3.1)	11/3	11/4 Worksheet #15 (3.2, 3.3)	11/5	11/6
11/9 Worksheet #16 (3.4)	11/10	11/11 Worksheet #17 (3.5, 3.6)	11/12	11/13
11/16 Worksheet #18 (3.7)	11/17	11/18 Exam Debrief #4 Test Prep Part 1 and 2 Video/Quiz	11/19	11/20
11/23 Worksheet #19 (4.1)	11/24	11/25 Thanksgiving Break – No Classes	11/26 Thanksgiving Break – No Classes	11/27 Thanksgiving Break – No Classes
11/30 Worksheet #20 (4.2, 4.3) 5 Day Test Prep DUE	12/1	12/2 Worksheet #21 (4.4)	12/3	12/4
12/7 Exam Debrief #5 Final Exam Review Take-Home Final Due	12/8	12/9 READING DAY	12/10	12/11
12/8	12/9	12/10	12/11	12/12

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

