

EAST GEORGIA STATE COLLEGE

A unit of the University System of Georgia
131 College Circle Swainsboro, Georgia 30401-2699 Phone: 912-623-2400
Spring Semester-2025 Math 1111: College Algebra

- I. **Instructor:** Mr. Keith Barrs (email - kbarrs@ega.edu)
Office Location: EGSC Statesboro Center #1722 (GSU Nessmith Lane Building),
Phone 912-349-9399, email is the preferred way to contact me, **Student Office Hours:**

Mon	Tue	Wed	Thu
Student Office Hours 11:00-1:30pm Office #1722 1:30 pm–2:30 Virtual		Student Office Hours 12:00-2:30pm Office #1722 2:30 pm–3:30 Virtual	

- II. **Course description:** A functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions, their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included.

This is a Core IMPACTS course that is part of the mathematics area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I measure the world?

Completion of this course should enable students to meet the following Learning Outcome:

- Students will apply mathematical and computational knowledge to interpret, evaluate, and communicate quantitative information using verbal, numerical, graphical, or symbolic forms.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Information Literacy
- Inquiry and Analysis
- Problem-Solving

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- III. **Prerequisites:** An acceptable score on the SAT, ACT, ACCUPLACER, or prior Area A math credit.
- IV. **Textbook:** Algebra & Trigonometry, 11th Edition by Sullivan. MyLab Math is required for this course. Since the eText is included in MyLab Math, the hardcover and loose-leaf textbooks are optional.

This course is using inclusive access. Therefore, you do not need to purchase a MyLab Math access code from the bookstore or online from Pearson! However, if you choose to purchase your own access code, you may opt out of the inclusive access option.

To enroll in your section in MyLab Math, please follow these steps.

1. Log in to D2L/Brightspace. Chrome is a good browser to use.
2. Select your course in D2L.
3. Select "Enter MyLab Math" module. Then select "Pearson Course Materials" module.
4. Select "Open MyLab & Mastering" at top of screen.
5. You will now have access to MyLab Math (MyMathLab).

- V. **Link to EGSC Learning Outcomes:** <https://www.ega.edu/current-students/academics/core-curriculum-requirements.html>
- VI. **Evaluation**-Homework, Quizzes, Tests. All work is expected to be done by the due date.
- VII. **Grading:** Grades will be based on the following: **1) Homework & Quizzes:** (via MyMathLab) **100** points of your final grade. **2) Tests:** 4 tests will be given in class. Each test counts **100** points of your final grade. **3) Final Exam: 100** points of your final grade. A comprehensive final exam covering material from the semester will be given on _____. No exemptions or make-ups will be granted for the final exam. **EVERYONE MUST TAKE THE FINAL EXAM!** Your final grade is determined by dividing earned points by possible points (**500** points total possible). The following grade distribution is followed.

A-90-100%, B-80-89%, C-70-79%, D-60-69%, F-0-59%, W (withdrawal by mid-term)

- VIII. **Attendance Policy:** A student who misses more than **4** classes total or misses 2 or more classes in a row may receive a grade of “**F**” for the course. Class roll is checked every day at the beginning of class. Any student who comes in after roll is called is counted tardy. A combination of 3 **tardies** is an absence. Any student who misses any part of the class period can be counted absent. **When you are absent, you are responsible for all material covered and for any assignments. An absence does not allow an assignment, made or due on that day, to be turned in late.** **YOU SHOULD ONLY SIGN THE ATTENDANCE SHEET FOR YOURSELF! DO NOT SIGN IT FOR SOMEONE ELSE. I will consider removing you from class PERMANENTLY if this happens.**
- IX. **Make-up Policy:** There will be **NO** make-up work including tests. A student who has advanced permission from the instructor to miss a test for a legitimate reason (documented cases of illness, death in the family or other documented reasons deemed appropriate by the instructor) may substitute (with instructor approval) the final exam grade for the missing test grade. Any student who does not take a test at the scheduled time without the prior consent of the instructor will receive a grade of zero (**0**) on that test.
- X. **Plagiarism & Academic Dishonesty** (please see EGSC Student Handbook <https://www.ega.edu/about/at-a-glance/policies-and-procedures-of-the-college/files/04-student-handbook.pdf>)
- XI. **ADA Statement:** If any student has special needs because of learning disabilities or other disabilities, the student should provide the proper documentation and discuss this problem with the instructor in the privacy of their office. EGC statement can be found at: <https://www.ega.edu/current-students/student-support/index.html>
- XII. **Course Withdrawal Policy Statement:** Withdrawal Date: The last day to withdraw from classes without academic penalty is **3/5/25**. Students are responsible for their own academic progress. Decisions regarding withdrawal from courses should only be made after consultation with an academic advisor. Before withdrawing from a course, students should meet with a Financial Aid representative to discuss their personal financial aid situation. More information regarding withdrawal from courses can be found in the EGC catalog at <https://www.ega.edu/current-students/academics/add-drop-withdraw-from-class.html>
- XIII. **Campus Emergency Policy:**
- In the event the fire alarm is sounded, everyone must evacuate the building at once and in a calm and orderly fashion, using the nearest exit. In the event of a severe weather warning everyone must proceed immediately to the nearest designated shelter area which are marked by a small tornado symbol. All severe weather shelter locations are posted on the EGSC website. Each student should, on the first day of class, determine the location of the nearest exit and the nearest designated

shelter area for each of his or her classrooms. If you have difficulties locating either ask your instructor to assist you.

b. East Georgia State College utilizes a communication service to allow administrators and campus safety personnel to quickly contact you with voice and text messages that contain emergency-related campus information (e.g., campus closing, campus threat, health scare, etc.) With this service, East Georgia State College students and employees can be reached and provided with vital information anywhere, anytime, through their cell phones, home phones, e-mail, TTY/TDD receiving devices, or other text-receiving devices.

c. EGSCS students should make themselves familiar with Georgia Southern University's Emergency Response Plan

<https://finops.georgiasouthern.edu/emergencymanagement/wp-content/uploads/sites/8/WebSafe-Pages-from-EOP-KN-May-13-7-10-19.pdf>

In the event of an emergency, EGSCS students should follow the instructions of EGSCS faculty and staff members and GSU campus officials.

- XIV. Additional Course Requirements: Calculator Policy:** A scientific calculator is **necessary** for the course. The TI-83/84 graphing calculator is **recommended**. No unauthorized material may be stored in a calculator. Your calculator memory should be empty. **NO CELL PHONES or wearable computers are allowed as calculators!**
- XV. Daily Schedule:** Students are expected to come to class daily and participate in class. The sections covered in class can be found on both the D2L and MyMathLab websites.
- XVI. Classroom behavior:** It is the policy of this college that classes be conducted in an environment that lends itself to learning. Therefore, it is expected that students behave in a manner so as to avoid disturbing the learning process for other students. Any behavior that could be distracting to other students or the instructor will not be tolerated. The instructor may deny entrance to a student entering class late and will ask any student whose behavior is distracting to leave the class. Students are also not allowed to leave class early. **NOTE: USING A CELL PHONE OR A WEARABLE COMPUTER DURING CLASS IS CONSIDERED DISRUPTIVE BEHAVIOR! It is very likely that you will be asked to leave class PERMANENTLY if this is a problem! YOUR CELL PHONE SHOULD BE QUIET AND HIDDEN FROM VIEW DURING CLASS!**
- XVII. EGSC Administrative Syllabus Statement for this semester:**
Go to this web address - <https://www.ega.edu/academics/syllabus-administrative-statement.html>

Tutorial hrs.: 912-623-2400

EGSC website www.ega.edu

MyMathLab Support 844-292-7015

Course Learning Outcomes (CLOs)

- CA1. Students will be able to identify the fundamental components of relations, functions, and their graphs.
 - CA2. Students will be able to apply properties of functions.
 - CA3. Students will be able to solve, graph, analyze, and interpret linear, quadratic, exponential, and logarithmic functions.
 - CA4. Students will be able to solve real-world application problems involving linear, quadratic, exponential, and logarithmic functions.
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I reserve the right to modify the content, assignments, structure, and/or pacing of the course as necessary.

Math 1111 College Algebra- Course Content Schedule -Spring 2025

Chapter R Review Info - I highly recommend that you review this chapter in the textbook before you start the course.

Test 1 (Chapter 1) Information - Equations & Inequalities

Sections covered: Test 1 Schedule (Homework is on MyMathLab)

Section 1.1 Linear Equations
Section 1.2 Quadratic Equations
Section 1.3 Complex Numbers
Section 1.5 Solving Inequalities
Section 1.6 Equations and Inequalities with Absolute value
Section 1.7 Problem Solving: Interest, Mixture, Constant Rate Apps

Practice Problems for Test 1 (MyMathLab website) (click on "Take A Test")

Test 2 (Chapter 2 & 3) Information - Graphs & Functions

Sections covered: Test 2 Schedule (Homework is on MyMathLab)

Section 2.1 Distance and Midpoint Formulas
Section 2.2 Graphs of Equations in Two Variables
Section 2.3 Lines
Section 3.1 Functions
Section 3.2 The Graph of a Function
Section 3.3 Properties of Functions
Section 3.4 Library of Functions
Section 3.5 Graphing Techniques: Transformations

Practice Problems for Test 2 (MyMathLab website) (click on "Take A Test")

Test 3 (Chapter 5 & 6) Information - Polynomial & Rational Functions, Composite & One-to-One Functions

Sections covered: Test 3 Schedule (Homework is on MyMathLab)

Section 5.1 Polynomial Functions and Models
Section 5.2 Properties of Rational Functions
Section 5.3 Graphs of Rational Functions
Section 6.1 Composite Functions
Section 6.2 One-to-One Functions; Inverse Functions

Practice Problems for Test 3 (MyMathLab website) (click on "Take a Test")

Test 4 (Chapter 6) Information - Exponential & Logarithmic Functions

Sections covered: Test 4 Schedule (Homework is on MyMathLab)

Section 6.3 Exponential Functions
Section 6.4 Logarithmic Functions
Section 6.5 Properties of Logarithms
Section 6.6 Logarithmic and Exponential Equations
Section 6.7 Financial Models Compound Interest

Practice Problems for Test 4 (MyMathLab website) (click on "Take a Test")