

University of West Georgia
DEPARTMENT OF MATHEMATICS
SUPPORT FOR COLLEGE ALGEBRA
MATH 0999 – Sec 92Z

| | | | |
|-------------|---------------------|---------------|---|
| Instructor: | Mr. Robert Burnham | Classroom: | 138 Newnan Center |
| Email: | rburnham@westga.edu | Class time: | MW 2:25 – 3:15 pm |
| Office: | 116 Newnan Center | Office Hours: | MW: 8:00 – 9:00 am, 5:00 – 6:30 pm, Other Times by Appointment |
| Phone: | | | |

Co-requisite: Math 1111

Required Text: *College Algebra and Trigonometry, Abramson, Openstax*. Student can download for free at <https://openstax.org/details/books/algebra-and-trigonometry>. Students should go to “Download a PDF” and download the High Resolution version. **This is the same text you will need for MATH 1111.**

Description: This Support course is intended to provide corequisite support for students requiring assistance in mathematics while they are enrolled in MATH 1111 – College Algebra. Topics will parallel topics being studied in MATH 1111 as well as the essential quantitative skills needed to be successful in MATH 1111. Taken with MATH 1111, this course provides an in-depth study of the properties of algebraic, exponential and logarithmic functions as needed for calculus. Emphasis is on using algebraic and graphical techniques for solving problems involving linear, quadratic, piece-wise defined, rational, polynomial, exponential and logarithmic functions.

Learning Outcomes

Students should be able to demonstrate:

1. Express relationships using the concept of a function and use verbal, numerical, graphical and symbolic means to analyze a function.
2. Model situations from a variety of settings by using polynomial, exponential and logarithmic functions.
3. Manipulate mathematical information, concepts, and thoughts in verbal, numeric, graphical and symbolic form while solving a variety of problems which involve polynomial, exponential or logarithmic functions.
4. Apply a variety of problem-solving strategies, including verbal, algebraic, numerical, and graphical techniques, to solve multiple-step problems involving polynomial, exponential, logarithmic equations and inequalities and systems of linear equations.
5. Shift among the verbal, numeric, graphical and symbolic modes in order to analyze functions.
6. Use appropriate technology in the evaluation, analysis and synthesis of information in problem-solving situations.

COURSE ASSESSMENT

MATH 1111 Completion: Students will receive full credit for 70% of this course by achieving a grade of A, B, or C in their MATH 1111 course. Students will receive no credit for any other grade in their MATH 1111 course.

Daily Assignments: Successful completion of Daily in-class assignments will account for 30% of the credit for this course. Students must be present in class to complete, and receive credit, for these assignments.

Grading Scale:

| | |
|-------------|---|
| 90% - 100%: | A |
| 80% - 89%: | B |
| 70% - 79%: | C |
| <70%: | F |

OTHER COURSE INFORMATION

CourseDen: Course materials will be posted on CourseDen. Please check CourseDen often for updates. You may log in to CourseDen at www.westga.edu.

Attendance: There is no attendance policy in this class. But you must come to class to succeed. Please do not arrive late or leave early. I reserve the right to alter this policy if necessary.

Mathematics Tutoring Center: The Mathematics Tutoring Center (MTC) is located in room 205 Boyd. The MTC is open Monday – Friday, and students may get assistance in any of their math courses. No appointments are needed for the MTC.

COURSE POLICIES AND INFORMATION

University Policies and Academic Support

Please carefully review the following Common Language for all university course syllabi at the link:

<https://www.westga.edu/UWGSyllabusPolicies/>

It contains important material pertaining to university policies and responsibilities. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

Academic Honesty

You are expected to achieve and maintain the highest standards of academic honesty and excellence as described in the Undergraduate Catalog. In short, be responsible and do your own work. Definitions of academic dishonesty are defined in the student handbook:

www.westga.edu/handbook/

Disabilities Act/Accessibility for the Course

If you are a student whom is disabled as defined under the Americans with Disabilities Act and require assistance or support services, please notify me and provide me with a copy of your packet from Student Services. The university will provide you with resources for any audio/visual needs that you may have with the learning management system or course content. Please contact UWG Accessibility Services for more information.

Student Conduct

Students are expected to abide by the guidelines detailed in the university catalog. Respect and courtesy are required of all students while in the classroom. The following is also mandatory:

Device Policy

The use of smartphones, laptops, headphones, and other electronic devices may disturb your classmates and distract from instruction/active learning. The use of these devices during class time will be prohibited. Users of these devices during class time will be asked to leave the lecture in question.

IMPORTANT DATES:

| | |
|--|--|
| <u>First Day of Class:</u> | Monday, January 6th |
| <u>Drop Ends:</u> | Tuesday, January 10th |
| <u>Last Day to Withdrawal with W:</u> | Friday, February 28th |
| <u>Last Day of Class:</u> | Monday, April 27th |
| <u>Final Exam Period:</u> | April 29 th to May 5 th (see The Scoop for specific times) |
| <u>No classes:</u> | Monday, January 20th (MLK Jr Day) Friday, March 6 th (Math Day) Monday March 16th to Friday March 20th (Spring Break) |

****Note**** This syllabus provides a general plan for the course; deviations may be necessary