

MATH 0999 – Support for College Algebra

Hours Credit: 1 hour

Co-requisite: MATH 1111

Instructor: Brian Brodsky

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OFFICE HOURS

3:00 – 4:00 pm on Mondays, Wednesdays and 1:00 – 4:00 pm on Fridays

REQUIRED COURSE MATERIALS

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.

Grade Composition:

- 70%: MATH 1111 Completion
- 30%: Daily Assignments
- $A \geq 90 > B \geq 80 > C \geq 70 > D \geq 60 > F$

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.

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.

IMPORTANT DATES:

Drop Ends: Tuesday, August 20

Last Day to Withdrawal with W: Wednesday, October 9

Last Day of Class: Friday, December 6

No classes: Monday, September 2 (Labor Day)
Thursday October 3 and Friday October 4 (Fall Break)
Monday November 25- Friday November 29 (Thanksgiving)