

MATH 0999 – Support for College Algebra

Hours Credit: 1 hour

Co-requisite: MATH 1111

COURSE INSTRUCTOR

Instructor: Nathan Rehfuss

Office: 111A Boyd Hall

Email: nrehfuss@westga.edu

OFFICE HOURS

Monday 9:00 – 11:00 AM

Tuesday 5:00 – 6:00 PM

Friday 10:30 – 12:00 PM

REQUIRED COURSE MATERIALS

TEXT: *College Algebra and Trigonometry, Abramson, Openstax.* You can download the textbook for free at <https://openstax.org/details/books/algebra-and-trigonometry>. You 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

70% of grade is based on MATH 1111. Students will receive full credit if they earn an A,B,C in MATH 1111. Students will receive no credit for any other grade.

30% of grade is based on daily assessments from MATH 1111L. These assessments are based on participation in daily class activities, including group work, class discussions, review sessions, and short presentations. You must be present and participate to receive credit. We will meet for 30 hours this semester and you will receive one point per hour. You need to attend at least 24 hours for an A and at least 18 hours for a B.

Grading Scale:

94% - 100%:	A
88% - 93%:	B
70% - 87%:	C
<70%:	F

OTHER COURSE INFORMATION

To ensure confidentiality and timely response, all course-related email must originate from a westga.edu account and be addressed to my westga.edu email. **Do not** message me on CourseDen or MyOpenMath – I will not see these messages.

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

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. **Silence all electronic devices** and respect your classmates by refraining from activities that might distract them.

IMPORTANT DATES:

<u>First Day of Class:</u>	Wednesday, August 14
<u>Drop Ends:</u>	Tuesday, August 20
<u>Last Day to Withdrawal with W:</u>	Wednesday, October 9
<u>Last Day of Class:</u>	Friday, December 6
<u>Final Exam Period:</u>	December 7-13 (see The Scoop for specific times) Thursday October 3 and Friday October 4 (Fall Break) Monday November 25- Friday Nov. 29 (Thanksgiving)