

MATH 0999 Section 26 – College Algebra Lab

Hours Credit: 1 hours

Prerequisites: None

COURSE INSTRUCTOR

Instructor: Mr. Kyle Carter

Office: Boyd 104 - D

Email: kylec@westga.edu

Phone: 678-839-5134

OFFICE HOURS:

Boyd 104 – D: Monday 11:30 am – 12:30 pm

Wednesday 11:30 am – 12:30 pm

Friday 1:00 pm - 2:00 pm

Online in CourseDen: Tuesday 10:30 am - 12:30 pm
or by appointment

REQUIRED COURSE MATERIALS

TEXT AND OTHER 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.

CALCULATOR: A graphing calculator (TI-84 or equivalent) is required for this course.

COURSE DESCRIPTION:

This course is a functional approach to algebra that incorporates the use of technology. Emphasis will be placed on the study of functions, and their graphs, inequalities, and linear, quadratic, piece-wise defined, polynomial, rational, exponential and logarithmic functions. Appropriate applications will be included.

LEARNING OUTCOMES:

Students should be able to demonstrate:

1. An understanding of the equations of circles and lines
2. An understanding of functions and how to graph functions
3. An understanding of operations on functions including function composition
4. An understanding of polynomial graphs, including intercepts and end-behavior
5. An understanding of how to find the zeros of a polynomial and how to factor polynomials
6. An understanding of inverse functions and how to find them graphically and algebraically
7. An understanding of the properties of exponential and logarithmic equations
8. An understanding of how to solve exponential and logarithmic equations
9. An understanding of how to solve a system of equation

COURSE ASSESSMENT

Students' mastery of course learning outcomes will be assessed using the following methods:

70% of grade is based on MATH 1111. Students will receive full credit for this 70% 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 in the form of lab assignments that are completed in the lab sessions each week. All of the lab assignments combine for the 30% portion of the overall grade.

GRADE BREAKDOWN

Grade from 1111 class: 70%

Lab Assignments:30%

ASSESSMENT GRADING:

Grading Scale:

90% - 100%: A

80% - 89%: B

70% - 79%: C

60% - 69%: D

<60%: F

COURSE POLICIES AND INFORMATION

University Policies and Academic Support

For important policy information, i.e., the UWG Honor Code, Email, and Credit Hour policies, as well as information on Academic Support and Online Courses, please review the information found in the Common Language for Course Syllabi documentation at http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf.

Academic Honesty

While some parts of this course may be completed in groups (such as the Homeworks), the Quizzes and Online Tests are meant to be completed alone, without the help of any other person. Any serious form of academic dishonesty will be reported to the University. 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/discussion board.