MATH 1111 Section N02 – College Algebra

**Hours Credit:** 3 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](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 equations

**COURSE ASSESSMENT**
Students’ mastery of course learning outcomes will be assessed using the following methods:

**Study Journal:** This portion of your grade will be assessed in the form of weekly journal entries in the discussion area of the class. Every week, you should post in the corresponding week’s study journal discussion board in CourseDen. The study journals are due each Friday, and they need to consist of 3-4 sentences describing your experiences in the class that week. You don’t have to go into great detail or spend a lot of time on these, but sharing what you studied/worked on, what was easy/challenging, what study methods you used, how much time you spent on the material, questions/concerns, and any other creative feedback you would like to share is acceptable.

**Homework in CourseDen (MyOpenMath assignments in CourseDen):** This portion of your grade is based on your completion of
weekly homework assignments. Each week, you will work through 2-3 homework assignments that help you learn the required topics for this course. You will only have one week to work through each set of homework assignments in order to not fall behind in preparation for the tests.

Tests in CourseDen (MyOpenMath assignments in CourseDen): There will be 4 Online Tests that will be completed in CourseDen. You will have one attempt per Online Test, and they will only be available until a specific deadline. The dates are posted in the Calendar in CourseDen (and are listed below for convenience), and I will remind you when we approach those dates.

Test 1: Due 9/6
Test 2: Due 9/27
Test 3: Due 10/25
Test 4: Due 11/22

Proctored Final Exam: There will be one Proctored Final Exam at the end of the semester. I will be offering a couple of different options as to how you can take your Proctored Final Exam, and we will discuss those options in detail as the semester progresses in greater detail, but essentially you can take the exam as a class on a date and in a room that I reserve, or you can take make an appointment during my office hours during the last week of classes/finals’ week. I will discuss specifics in the coming weeks of the class.

GRADE BREAKDOWN
Study Journal: 10%
Homework: 25%
Online Tests: 40% (10% each)
Proctored Final: 25%

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.