Course Number: MATH 1111

Course Title: College Algebra

Hours Credit: 3 hours

Prerequisites: None

Courses 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.

Text: Precalculus, 5e, by Robert Blitzer (Pearson/Prentice Hall)

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

Other Course Policies: Other course policies, including information regarding students with disabilities and the UWG Honor Code can be found at either of the following websites. You should read this at the beginning of each semester.

http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf
http://tinyurl.com/UWGSyllabusPolicies

The final exam for MATH 1111 will be at the regularly scheduled time, as listed in the SCOOP. It will not be on Saturday.

The final exam should account for 25% of the students’ grades. Graphing calculators equivalent to the TI 83, 84, 85, and 86 will be allowed on the exam, as will scientific calculators. The TI-89 and other equivalent calculators will not be allowed.