

University of West Georgia SPRING 2016

Course: MATH 1111 College Algebra, Section 12 3 credits PREREQUISITE: NONE.

Course Description: This course is a functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions, and their graphs, inequalities, and, linear, quadratic and piece-wise defined, polynomial, exponential and logarithmic functions. Appropriate applications will be included. Credit for this course is not allowed if the student already has credit for a higher-numbered mathematics course.

Learning Outcomes: Students should be able to demonstrate:

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

Instructor: Mr. Jim Bellon (best way to contact me is through CourseDen) or jbellon@westga.edu

Office & Hours: Boyd 104C MW 8:30–8:55am, 10–11am, 3-3:25pm Fri 8:30–8:55am, 10–11am
Boyd 205 Math tutoring Center MW 12-3pm Fri 11am-12noon

Class Meets: MW 3:30 – 4:50 pm in Boyd 230 (Crider Lecture Hall)

Course Materials: A graphing calculator is recommended (preferably one of the TI-83 or 84 models). Students are required to purchase web access to the **E-book**. Options are:

#1: get immediate access by paying with credit card at pearsonmylabandmastering.com during the registration process.

#2: buy MyMathLab-Student-Access-Kit at the bookstore.

#3: find MyMathLab access code kit on Amazon.com (cheapest, but takes a few days for shipping)

****while you are waiting for access code or funds, you can still register with temporary access.**

Once you register at the website, you need to join our course. The course ID is: **bellon15238**
The actual textbook is optional. "Precalculus" 5th edition by Blitzer, from Pearson Publishers.

Grading: There will 3 multiple choice tests (test avg counts 35%), online HW assignments (avg counts 40%), and a multiple choice cumulative Final exam (25%). Your lowest online HW assignment will be dropped. Must hand-in signed copy of syllabus as the first HW. There will be an online evaluation quiz which will let you know how ready you are for this course and how much work you will have to put in to succeed. The quiz can replace a low HW score. Final grades determined as follows:

89.5 % and higher	=	A
79.5 % to 89.4 %	=	B
69.5 % to 79.4 %	=	C
60 % to 69.4 %	=	D
Below 60 %	=	F

Make-up policy: There are no make-ups for online assignments. You are expected to keep up with learning the material each week, completing assignments by the due dates, and getting help when needed. Make-ups for tests may be granted with a valid documented excuse, and only if you notify me before or on the day of the test.

Extra-credit policy: There will be NO extra credit given, period! Points can be earned only as stated above.

Attendance Policy: Students are REQUIRED to login to CourseDen at least once a week (Mon-Sun) and also check for assignments on MyMathlab. Failure to do so will result in missing assignments and maybe being dropped. You must also submit signed syllabus, due by Friday 1/22. Otherwise, grades will not be altered for attendance. Students are expected to attend class and complete all work when assigned. Students are responsible for the topics covered and assignments due whether present or not. "I was not here" is NOT a valid excuse.

Last Date to Withdraw: *March 3rd* Any student who withdraws after this date will receive a grade of "F".

Class Rules: You are to turn off your cellular phone during the class. You are not allowed to use your phone as a calculator. Please respect your instructor and other students in the class. No talking or any distracting behavior. If you fall asleep in class, you will be asked to leave. It is expected that students be familiar with the Student Conduct Code, Disciplinary Procedures and Disciplinary Sanctions in the Student Handbook. Cheating and/or any conduct that disturbs the classroom, the instructor, or the students WILL NOT be tolerated!! Any serious violations will be reported; appropriate actions will be taken; and consequences will result. Please see the general policies for UWG at <http://tinyurl.com/UWGSyllabusPolicies>.

Meeting with:
Instructor can be beneficial and is encouraged. Meeting should occur during the instructor's office hours, whenever possible. If these hours conflict with a student's schedule, then appointments should be made. The meeting time is not to be used for duplication of lectures that were missed; it is the student's responsibility to obtain and review lecture notes before consulting with the instructor. As your instructor, I am very concerned about the student's achievement and well-being and encourages anyone having difficulties with the course to contact me for extra help.

Note: If you have a documented disability, which will make it difficult for you to carry out the course work as I have outlined and / or if you need special accommodation or assistance due to disability, please contact me as soon as possible.

Supplemental:
Instruction (SI) Our section of MATH 1111 is one of several that offer this optional resource. You will have a student leader who is trained by the Center for Academic Excellence and will be available to help you. The SI leader will sit in on our classes, lead several extra help sessions during the week, and be available for office hours (the SI help sessions and office hours schedule will be determined at beginning of semester).

Math Tutoring:
On Campus:
**Offered by the math Department in Boyd 205, you can just walk in and get help.
Hours are Mon/Tue/Wed 9am-8pm, Thurs 9am-7pm, Fri 9am-3pm
There are 2-3 tutors on duty who will rotate between students.
There are also textbooks and computers to use while you are in the tutoring center.

** Offered by the Center for Academic Success in UCC building. You will be assigned a 1-1 personal tutor, or attend available drop in sessions.

This is a tentative schedule of assignments and topics to be covered in class sessions. Changes will be made as needed. Once we finish a section, we will immediately move along to the next section. It is recommended that you read over text sections BEFORE we cover them in class. After we cover topics, you should complete assignments and do any extra practice or get help as needed. Don't wait until its too late (like after doing bad on a test).

1/11 – 1/13	Introduction, sections P2 exponents, P3 radicals, P5 factoring polynomials
1/18 – 1/20	Monday 1/18 MLK DAY - No Class sections P6 rational expressions, P7 solving equations, P9 inequalities and absolute value
1/25 – 1/27	section P7 solving equations, P9 inequalities and absolute value 1.2 functions (on your own, READ section 1.1 graphing)
2/1 – 2/3	sections 1.3 more on functions, 1.4 linear functions and slope, 1.5 more on slope
2/8 – 2/10	Review for test #1 Test #1 on Wednesday February 10th
2/15 – 2/17	sections 1.6 transformations, 1.7 combinations/composite functions
2/22 – 2/24	section 1.8 inverse functions, sections 1.9 distance, midpoint, circles, 2.1 complex numbers
2/29 – 3/2	2.2 quadratic functions, 2.3 polynomial functions
3/7 – 3/9	2.4 dividing polynomials, (also know page 332 properties of roots) Review for test #2 Test #2 on Wednesday March 9th
3/14 – 3/16	SPRING BREAK
3/21 – 3/23	sections 3.1 exponential functions, 3.2 logarithmic functions
3/28 – 3/30	sections 3.3 properties of logarithms, 3.4 exponential and log equations.
4/4 – 4/6	sections 3.5 exponential growth & decay, 7.1 systems of linear equations in two variables
4/11 – 4/13	Review for test #4 Test #3 on Wednesday April 13th
4/18 – 4/20	course wrap-up, evaluations, FINAL REVIEW

**FINAL EXAM (all chapters) on Wednesday April 27th 2 – 4:30pm in our classroom.
This is a common final 40 questions multiple choice given by the math department.**

Confirmation of understanding: I have read and understand this syllabus and accept and agree to abide by the course policies as stated in this document and all relevant policies of the UWG.

Printed Name: _____ Signature: _____ Date: _____

**Signed copy of syllabus is due by Friday 1/22/16
Please print ALL pages, STAPLE them together, sign it and return by the due date to avoid a zero.**