

University of West Georgia      FALL 2015

**Course:** MATH 1111 College Algebra, Section 18    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 the equations of circles and lines and using these to graph
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 polynomials and factoring 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 expressions
8. An understanding of how to solve exponential and logarithmic equations
9. 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](mailto:jbellon@westga.edu)

**Office & Hours:** Boyd 104C MW 8:30–8:55am, 12–1pm, 4:55-5:25pm Fri 8:30–8:55am, 1:55–2:25pm  
Boyd 205 Math tutoring Center MW 10-11am, 2-3:25pm Fri 10am-12noon

**Class Meets:** MWF 1 – 1:52 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](http://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: **bellon76863**  
The actual textbook is optional. "Precalculus" 5<sup>th</sup> edition by Blitzer, from Pearson Publishers.

**Grading:** There will 4 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 in CourseDen, which will count in the HW average. Final grades determined as follows:

|                          |   |          |
|--------------------------|---|----------|
| <b>89.5 % and higher</b> | = | <b>A</b> |
| <b>79.5 % to 89.4 %</b>  | = | <b>B</b> |
| <b>69.5 % to 79.4 %</b>  | = | <b>C</b> |
| <b>60 % to 69.4 %</b>    | = | <b>D</b> |
| <b>Below 60 %</b>        | = | <b>F</b> |

**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 9/5. 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:** *October 14<sup>th</sup>* 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.

**Math Tutoring:**

On Campus Boyd 205 Hours are Mon/Tue/Wed 9am-8pm, Thurs 9am-7pm, Fri 9am-3pm  
You can just walk in and get help. 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.

Also ONLINE TUTORING, via SmartThinking See link in CourseDen.

**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).**

|               |   |
|---------------|---|
| 8/24 – 8/28   | Introduction, sections P2 exponents, P3 radicals  |
| 8/31 – 9/4    | sections P5 factoring polynomials, P6 rational expressions, start P7  |
| 9/7 – 9/11    | <b>Monday 9/7 LABOR-DAY - No Class</b><br>sections P7 solving equations, P9 inequalities and absolute value                                   |
| 9/14 – 9/18   | Review for test #1<br><b>Test #1 on Wednesday September 16<sup>th</sup></b><br>section 1.2 functions (on your own, READ section 1.1 graphing) |
| 9/21 – 9/25   | sections 1.3 more on functions, 1.4 linear functions and slope, 1.5 more on slope   |
| 9/28 – 10/2   | sections 1.6 transformations, 1.7 combinations/composite functions  |
| 10/5 – 10/9   | section 1.8 inverse functions<br>Review for test #2<br><b>Test #2 on Friday October 9<sup>th</sup></b>  |
| 10/12 – 10/16 | sections 1.9 distance, midpoint, circles, 2.1 complex numbers, 2.2 quadratic functions  |
| 10/19 – 10/23 | sections 2.2 quadratic functions, 2.3 polynomial functions<br>(also know page 332 properties of roots)  |
| 10/26 – 10/30 | section 2.4 dividing polynomials<br>Review for test #3<br><b>Test #3 on Friday October 30<sup>th</sup></b>                                    |
| 11/2 – 11/6   | sections 3.1 exponential functions, 3.2 logarithmic functions   |
| 11/9 – 11/13  | sections 3.2 logarithmic functions, 3.3 properties of logarithms, 3.4 exponential and log equations.  |
| 11/16 – 11/20 | sections 3.5 exponential growth & decay, 7.1 systems of linear equations in two variables<br>Review for test #4                               |
| 11/23 – 11/27 | <b>THANKSGIVING BREAK</b>   |
| 11/30 – 12/4  | <b>Test #4 on Monday November 30<sup>th</sup></b><br>FINAL REVIEW   |

**FINAL EXAM (all chapters) on Wednesday December 9<sup>th</sup> 11am – 1:30pm in our classroom.**

**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 9/4/2015  
Please print ALL pages, STAPLE them together, sign it and return by the due date to avoid a zero.**