

University of West Georgia **FALL 2016**

Course: MATH 1111 College Algebra, Section NO1 (online) 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 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

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

Office & Hours: Boyd 104C MW 9:20–10:05am, 3-4pm Fri 9–10am, 11:05am–12noon
Boyd 205 Math tutoring Center MW 12-3pm

Class Meets: In UWG's CourseDen for class information and communication
And McGraw Hill publisher's ALEKS website for online assignments, tests.

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

- #1: pay for immediate access when you register directly at www.ALEKS.com
Use the course code VERJK-PCMWH to get the special UWG price.
- #2: buy ALEKS-Accesscode at the bookstore or elsewhere. Join course code VERJK-PCMWH
- #3: Get an ALEKS accesscode bundled with the textbook. Join course code VERJK-PCMWH

***** The actual textbook is optional. ALEKS includes e-book access to the text. *****
College Algebra and Trigonometry, by Julie Miller and Donna Gerken, from McGraw Hill.

Grading: ALEKS work Modules 1-15 (counts 30%), ALEKS quizzes (avg counts 30%, lowest dropped)
Participation tasks in CourseDen (Introduction, Syllabus quiz, discussion posts, avg counts 15%),
PROCTORED Final exam (cumulative multiple-choice, counts 25%).

Final grades determined as follows:

89.5 % and higher	=	A
79.5 % to 89.4 %	=	B
70 % to 79.4 %	=	C
60 % to 69.9 %	=	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.

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 and enter MATH 1111 in CourseDen at least once a week and also check for assignments on ALEKS. Failure to do so will result in missing assignments and maybe being dropped. You must also submit your Introduction in CourseDen (D2L) .

Last Date to Withdraw: *September 30th* Any student who withdraws after this date will receive a grade of F.

Class Rules: 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:
**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.

ONLINE: you can get help 24/7 through SmartThinking tutors via the link in CourseDen.

Final Exam: The final exam must be taken at a location with a proctor. You will take the MATH 1111 common final exam, which is about 40 questions multiple choice. The questions will come from the ALEKS test bank, so will be similar to what you will be doing in ALEKS work. You can take it any day/time by appointment from Mon December 5th through Friday December 9th . Make your appointment prior to week 5 (this is actually one of your tasks for that week in CourseDen). There are 3 options: #1 take the test with me on Friday 12/9 from 5-7pm (no cost)
#2 make appointment at one of the UWG testing centers (Carrollton or Newnan, \$10-15 cost)
#3 make appointment at any approved testing centers in Georgia (cost varies)

ALEKS information: See separate documents with further details on how to navigate through the ALEKS system. Those documents can be found in CoursDen and will also be emailed to the class.

This is a Tentative list of text sections to be covered. You may read ahead and complete assignments early when available. Each week, you should look over the lesson materials on ALEKS, then complete all related assignments by the end of the day (midnight) on the date shown. Start early, don't wait until the final day. That way you can get help, review the material again. **Updates will be shown on CourseDen and ALEKS and they will be the dates to which you are held accountable. You can follow specific task schedule by clicking through the UWG CourseDen modules.

- WEEK 1 Wed 8/10 – Mon 8/15 In CourseDen (D2L) open the module **WEEK 1 (start here)** and follow the tasks.
1. Read through this syllabus and make note of important info and dates
 2. Take the syllabus quiz in CoursDen (***participation grade AND Attendance**)
 3. Get setup in ALEKS and go through tutorials to learn how to use it.
 4. Read the ebook in ALEKS (Sec 1.1 and 1.2)
 5. Start working on ALEKS module #1
- WEEK 2 Tue 8/16 – Fri 8/19 In CourseDen (D2L) open the module **WEEK 2** and follow the tasks.
1. Finish reading the ebook sections 1.1, 1.2
 2. Finish ALEKS module #1 work (***HW grade due Fri 8/19**)
 3. Post your intro in CourseDen discussion (***participation grade due Fri 8/19**)
- WEEK 3 Sat 8/20 – Fri 8/26 In CourseDen (D2L) open the module **WEEK 3** and follow the tasks.
1. Read the ebook sections 1.3, 1.4, 1.5
 2. Complete ALEKS module #2 work (***HW grade due Fri 8/26**)
 3. Reply to 2 students in the intro discussion (***participation grade due Fri 8/26**)
- WEEK 4 Sat 8/27 – Fri 9/2 In CourseDen (D2L) open the module **WEEK 4** and follow the tasks.
1. Read the ebook sections 1.6, 1.7
 2. Complete ALEKS module #3 work (***HW grade due Fri 9/2**)
 3. Take QUIZ #1 in ALEKS (***Quiz grade due Tues 9/6**)
- WEEK 5 Sat 9/3 – Fri 9/9 In CourseDen (D2L) open the module **WEEK 5** and follow the tasks.
1. Read the ebook sections 2.1, 2.2
 2. Complete ALEKS module #4 work (***HW grade due Fri 9/9**)
 3. Make appointment for final exam (***participation grade due Fri 9/9**)
- WEEK 6 Sat 9/10 – Fri 9/16 In CourseDen (D2L) open the module **WEEK 6** and follow the tasks.
1. Read the ebook section 2.3
 2. Complete ALEKS module #5 work (***HW grade due Fri 9/16**)
 3. Post to Math Discussion #1 (***participation grade due Fri 9/16**)
- WEEK 7 Sat 9/17 – Fri 9/23 In CourseDen (D2L) open the module **WEEK 7** and follow the tasks.
1. Read the ebook sections 2.4, 2.5, 2.6
 2. Complete ALEKS module #6 work (***HW grade due Fri 9/23**)
 3. Take QUIZ #2 in ALEKS (***Quiz grade due Mon 9/26**)
- WEEK 8 Sat 8/24 – Fri 9/30 In CourseDen (D2L) open the module **WEEK 8** and follow the tasks.
1. Read the ebook sections 2.7, 2.8
 2. Complete ALEKS module #7 work (***HW grade due Fri 9/30**)
 3. Reply to 2 students in Math discussion #1 (***participation grade due Fri 9/30**)
- WEEK 9 Sat 10/1 – Wed 10/5 In CourseDen (D2L) open the module **WEEK 9** and follow the tasks.
1. Read the ebook section 3.1
 2. Complete ALEKS module #8 work (***HW grade due Wed 10/5**)

- WEEK 10 Sat 10/8 – Fri 10/14 In CourseDen (D2L) open the module **WEEK 10** and follow the tasks.
1. Read the ebook sections 3.2, 3.3
 2. Complete ALEKS module #9 work (***HW grade due Fri 10/14**)
 3. Take QUIZ #3 in ALEKS (***Quiz grade due Mon 10/17**)
- WEEK 11 Sat 10/15 – Fri 10/21 In CourseDen (D2L) open the module **WEEK 11** and follow the tasks.
1. Read the ebook sections 3.4, 3.7
 2. Complete ALEKS module #10 work (***HW grade due Fri 10/21**)
 3. Post to Math Discussion #2 (***participation grade due Fri 10/21**)
- WEEK 12 Sat 10/22 – Fri 10/28 In CourseDen (D2L) open the module **WEEK 12** and follow the tasks.
1. Read the ebook section 4.1
 2. Complete ALEKS module #11 work (***HW grade due Fri 10/28**)
 3. Reply to 2 students in Math discussion #2 (***participation grade due Fri 10/28**)
- WEEK 13 Sat 10/29 – Fri 11/4 In CourseDen (D2L) open the module **WEEK 13** and follow the tasks.
1. Read the ebook sections 4.2, 4.3
 2. Complete ALEKS module #12 work (***HW grade due Fri 11/4**)
 3. Take QUIZ #4 in ALEKS (***Quiz grade due Mon 11/7**)
- WEEK 14 Sat 11/5 – Fri 11/11 In CourseDen (D2L) open the module **WEEK 14** and follow the tasks.
1. Read the ebook sections 4.4, 4.5
 2. Complete ALEKS module #13 work (***HW grade due Fri 11/11**)
- WEEK 15 Sat 11/12 – Fri 11/18 In CourseDen (D2L) open the module **WEEK 15** and follow the tasks.
1. Read the ebook section 4.6
 2. Complete ALEKS module #14 work (***HW grade due Fri 11/18**)
- SAT 11/19 to FRI 11/25 *****THANKSGIVING BREAK – NO CLASSES*****
- WEEK 16 Sat 11/26 – Sun 12/4 In CourseDen (D2L) open the module **WEEK 16** and follow the tasks.
1. Take QUIZ #5 in ALEKS (***Quiz grade due Wed 11/30**)
 2. Read the ebook sections 9.1, 9.2
 3. Complete ALEKS module #15 work (***HW grade due Fri 12/2**)
 4. Take the practice final exam in ALEKS (***participation grade due Sun 12/4**)
- FINALS Mon 12/5 – Fri 12/9 Take Final Exam during your appointment (***Final Exam grade**)