

**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 simplifying expressions with exponents and radicals.
2. An understanding of how to solve various types of equations.
3. An understanding of the equations of circles and lines
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 a polynomial and how to factor 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 equations
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](mailto:jbellon@westga.edu)

**Office & Hours:** Boyd 104C    Mon 10:30–11 am,    Wed 10–11 am,    3:15-4:15pm,    Fri 10:30–11 am  
Boyd 205 (math tutoring center) Mon 3:30 – 4:30pm  
and Online in Courseden LIVE Wednesdays 7:30-8:30 pm

**Class Meets:** In UWG's CourseDen for class information and communication  
and at testing center or virtual proctoring for midterm and final exams.

**Course Materials:** A graphing calculator is recommended (preferably one of the TI-83 or 84 models).  
The two textbooks and all course materials are included and found in courseden.

**Grading:** Quizzes (best 10 out of 12, avg counts 40%), Participation 20% (includes Introduction post, Syllabus quiz, discussion posts & replies, exam appointments), **PROCTORED** Midterm & Final exams, count 20% each. Final grades determined as follows:

<b>89.1 % and higher</b>	=	<b>A</b>
<b>79.3 % to 89 %</b>	=	<b>B</b>
<b>69.5 % to 79.2 %</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. In extreme cases, if you contact me right away, I may grant extensions, but not as a habit.

**Discussions:** Even though this is a basic math class, you are still in college and will be expected to communicate and interact with the instructor and classmates using proper English grammar and substantial thoughts. All discussion posts must be more than one simple sentence and must have substance and detail related to the discussion. This includes your 2 required replies. Additional replies can be basic, but if they are substantive, you can earn bonus points (up to 5 points). As your instructor, I will be active in the discussions. If your posts are not up to par, I will ask you for further detail in a reply. This will be second chance to give requested detail and count towards full credit in your initial post. Such replies to instructor requests do not count for the required 2 replies. The replies that count must be detailed replies to other students posts.

**Extra-credit policy:** There will be NO extra credit given. 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 do the participation tasks for the week. Check syllabus and courseden calendar for assignment due dates . Failure to do the above will result in missing assignments and maybe being dropped. You must also submit your Introduction and Syllabus Quiz in CourseDen (D2L) or you will be reported and not attending and dropped.

**Last Date to Withdraw:** *Wed February 28<sup>th</sup>* Any student who withdraws after this date will receive a grade of F.

**Weekly Webinars:** The instructor will have LIVE weekly webinars online through courseden using the Collaborate Ultra App. I will be discussing the weekly topics, working examples, explaining concepts and will answer any questions. Please try to attend. You can be active participant or just listen/watch. There is optional LIVE audio, whiteboard, file/screen sharing and other tools. If you cannot attend, the sessions will be recorded so you can listen/watch at a later date. You can even send email questions prior to the LIVE sessions, which I will address in the session.

**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/Thurs 9am-7pm, Fri 9am-3pm  
There are 2-3 tutors on duty who will rotate between students.  
There are also textbooks, calculators, 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.

**Proctored Exams:** The midterm and final exam must be taken at a location with a proctor. You will take online exams, which will be about 40 questions mostly multiple choice. See the weekly tasks in courseden for more info and directions. There is a fee for proctoring. You will have options to make appointment at one of the UWG testing centers (Carrollton or Newnan, \$10-15 cost) or make appointment through ProctorU vendor (cost varies) and take test at home or anywhere that you can guarantee a private secure location, which an online proctor can monitor the area and your computer remotely. [must have good connection].

**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 <https://www.westga.edu/UWGSyllabusPolicies>

This is a Tentative list of tasks and dates. You may read ahead and complete assignments early when available. Each week, you should look over the week's tasks in courseden, then complete all related assignments by the end of the day (midnight) by the due date shown. Start early, don't wait until the last moment. That way you can get help, review the material again. \*\*Updates will be shown on CourseDen and they will be the dates to which you are held accountable.

- WEEK 1 Mon 1/8 – Sun 1/14 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. Go through Courseden tutorials to learn how to use it.
  4. Download the 2 ebooks.
  5. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  6. Read ebook Principles Of Algebra Chapter 1 – algebra review
  7. Try working practice exercises, then check solutions at end of the ebook
  8. If you think you forgot basics, have a weak algebra foundation, or might struggle in this math class, please contact me or utilize one of the resources listed.
- WEEK 2 Mon 1/15 – Sun 1/21 In CourseDen (D2L) open the module **WEEK 2** and follow the tasks.
1. Read ebook Principles Of Algebra Chapter 2 – Equations
  2. Try working practice exercises, then check solutions at end of the ebook
  3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  4. Post your introduction in CourseDen discussion (**\*participation grade due Wed 1/19**)
  5. Reply to 2 students in the intro discussion (**\*participation grade due Sun 1/21**)
  6. Take Quiz 1. Best of the two attempts counts. (**\*Quiz grade due Sun 1/21**)
- WEEK 3 Mon 1/22 – Sun 1/28 In CourseDen (D2L) open the module **WEEK 3** and follow the tasks.
1. Read ebook Principles Of Algebra Chapter 3 – Inequalities & Systems
  2. Read ebook College Algebra Section 1.1.1 (pages 1-5)
  3. Try working practice exercises, then check solutions at end of the ebook
  4. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  5. Make Appointment for Proctored Midterm (**\*participation grade due Fri 1/26**)
  6. Post to math discussion #1 (**\*participation grade due Fri 1/26**)
  7. Take Quiz 2. Best of the two attempts counts. (**\*Quiz grade due Sun 1/28**)
- WEEK 4 Mon 1/29 – Sun 2/4 In CourseDen (D2L) open the module **WEEK 4** and follow the tasks.
1. Read ebook College Algebra Sections 1.1 & 1.2
  2. Try working practice exercises, then check solutions
  3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  4. Reply to 2 students for math discussion #1 (**\*participation grade due Wed 1/31**)
  5. Take Quiz 3. Best of the two attempts counts. (**\*Quiz grade due Sun 2/4**)
- WEEK 5 Mon 2/5 – Sun 2/11 In CourseDen (D2L) open the module **WEEK 5** and follow the tasks.
1. Read ebook College Algebra Sections 1.3 & 1.4
  2. Try working practice exercises, then check solutions
  3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  4. Post to math discussion #2 (**\*participation grade due Fri 2/9**)
  5. Take Quiz 4. Best of the two attempts counts. (**\*Quiz grade due Sun 2/11**)
- WEEK 6 Mon 2/12 – Sun 2/18 In CourseDen (D2L) open the module **WEEK 6** and follow the tasks.
1. Read ebook College Algebra Sections 1.5 & 1.6
  2. Try working practice exercises, then check solutions
  3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  4. Reply to 2 students for math discussion #2 (**\*participation grade due Wed 2/14**)
  5. Take Quiz 5. Best of the two attempts counts. (**\*Quiz grade due Sun 2/18**)
- WEEK 7 Mon 2/19 – Sun 2/25 In CourseDen (D2L) open the module **WEEK 7** and follow the tasks.
1. Read ebook College Algebra Section 1.7
  2. Try working practice exercises, then check solutions
  3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  4. Take Quiz 6. Best of the two attempts counts. (**\*Quiz grade due Sun 2/25**)
- WEEK 8 Mon 2/26 – Sun 3/4 In CourseDen (D2L) open the module **WEEK 8** and follow the tasks.
1. Study for Midterm. See Review sheet in Courseden.
  2. Attend the LIVE Wednesday Webinar (or view recording afterwards).
  3. Take Midterm Exam during your appointment (**\*Midterm grade due Fri 3/2**)
  4. Post to midterm discussion. (**\*participation grade due Sun 3/4**)

WEEK 9 Mon 3/5 – Sun 3/11 In CourseDen (D2L) open the module **WEEK 9** and follow the tasks.

1. Read ebook College Algebra Sections 2.1 & 2.3
2. Try working practice exercises, then check solutions
3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
4. Post to math discussion #3 (**\*participation grade due Fri 3/9**)
5. Take Quiz 7. Best of the two attempts counts. (**\*Quiz grade due Sun 3/11**)

WEEK 10 Mon 3/12 – Sun 3/18 In CourseDen (D2L) open the module **WEEK 10** and follow the tasks.

1. Read ebook College Algebra Sections 3.1 & 3.2
2. Try working practice exercises, then check solutions
3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
4. Reply to 2 students for math discussion #3 (**\*participation grade due Wed 3/14**)
5. Take Quiz 8. Best of the two attempts counts. (**\*Quiz grade due Sun 3/18**)

**BREAK Mon 3/19 – Sun 3/25 \*\*\*\*\* SPRING BREAK \*\*\*\*\***

WEEK 11 Mon 3/26 – Sun 4/1 In CourseDen (D2L) open the module **WEEK 11** and follow the tasks.

1. Read ebook Principles Of Algebra Chapter 4 – complex numbers
2. Try working practice exercises, then check solutions
3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
4. Post to math discussion #4 (**\*participation grade due Fri 3/30**)
5. Take Quiz 9. Best of the two attempts counts. (**\*Quiz grade due Sun 4/1**)

WEEK 12 Mon 4/2 – Sun 4/8 In CourseDen (D2L) open the module **WEEK 12** and follow the tasks.

1. Read ebook College Algebra Sections 5.1 & 5.2
2. Try working practice exercises, then check solutions
3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
4. Reply to 2 students for math discussion #4 (**\*participation grade due Wed 4/4**)
5. Take Quiz 10. Best of the two attempts counts. (**\*Quiz grade due Sun 4/8**)

WEEK 13 Mon 4/9 – Sun 4/15 In CourseDen (D2L) open the module **WEEK 13** and follow the tasks.

1. Read ebook College Algebra Sections 6.1 & 6.2
2. Try working practice exercises, then check solutions
3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
4. Make Appointment for Proctored Final (**\*participation grade due Fri 4/13**)
5. Take Quiz 11. Best of the two attempts counts. (**\*Quiz grade due Sun 4/15**)

WEEK 14 Mon 4/16 – Sun 4/22 In CourseDen (D2L) open the module **WEEK 14** and follow the tasks.

1. Read ebook College Algebra Sections 6.3, 6.4 & 6.5
2. Try working practice exercises, then check solutions
3. Attend the LIVE Wednesday Webinar (or view recording afterwards).
4. Post to math discussion #5 (**\*participation grade due Fri 4/20**)

WEEK 15 Mon 4/23 – Sun 4/29 In CourseDen (D2L) open the module **WEEK 15** and follow the tasks.

1. Reply to 2 students for math discussion #5 (**\*participation grade due Mon 4/23**)
2. Attend the LIVE Wednesday Webinar (or view recording afterwards).
3. Take Quiz 12. Best of the two attempts counts. (**\*Quiz grade due Fri 4/27**)
4. Post to final discussion (**\*participation grade due Sun 4/29**)
5. Do Online Course Evaluation

WEEK 16 Mon 4/30 – Sat 5/5 In CourseDen (D2L) open the module **WEEK 16** and follow the tasks.

1. Do Online Course Evaluation (**\*participation grade due Mon 4/30**)
2. Attend the LIVE **Monday** final review (or view recording afterwards).
3. Study for final exam. See review sheet in courseden.
4. Take Final Exam during your appointment (**\*Final Exam grade**)