

Course: MATH 1111 College Algebra, Section N01 (ONLINE) 3 credits PREREQUISITE: NONE.

Course 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. 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. Express relationships using the concept of a function and use verbal, numerical, graphical and symbolic means to analyze a function.
2. Model situations from a variety of settings by using polynomial, exponential and logarithmic functions.
3. Manipulate mathematical information, concepts, and thoughts in verbal, numeric, graphical and symbolic form while solving a variety of problems, which involve polynomial, exponential or logarithmic functions.
4. Apply a variety of problem-solving strategies, including verbal, algebraic, numerical, and graphical techniques, to solve multiple-step problems involving polynomial, exponential, logarithmic equations and inequalities and systems of linear equations.
5. Shift among the verbal, numeric, graphical and symbolic modes in order to analyze functions.
6. Use appropriate technology in the evaluation, analysis and synthesis of information in problem-solving situations.

Instructor: Mr. Jim Bellon (best way to contact me is through CourseDen)

Office & Hours: Boyd 104C Mon & Wed 10-11am, 1:50–3:20pm
ONLINE in CourseDen Mondays 7– 7:45 pm

Class Meets: In UWG’s CourseDen for class information, communication, discussions and quizzes.
At testing center or virtual proctoring for **PROCTORED** midterm and final exams.

Course Materials: A graphing calculator is recommended (preferably one of the TI-83 or 84 models).

TEXT: *College Algebra and Trigonometry*, Abramson, Openstax PDF.
Textbook is posted on courseden, you can view it and download.

Video examples are posted in CourseDen under each week’s content area.

Grading: Homework (avg counts 45%), Participation 15% (includes Introduction post, Syllabus quiz, discussion posts & replies), **PROCTORED** Midterm & Final, count 20% each. Final grades determined as follows: Fractional grades will be rounded up to next whole percent.

90 % and higher	=	A
80 % to 89 %	=	B
70 % to 79 %	=	C
60 % to 69 %	=	D
Below 60 %	=	F

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 35 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].

If any student has an issue with finding a proctor location, please contact me to see if we can make special arrangements.

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. 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 student posts.

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/Tues/Wed/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.

**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.

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.

University Policies: Please carefully review the following Common Language for all university courses at the link:

https://www.westga.edu/administration/vpaa/assets/docs/facultyresources/common_language_for_course_syllabi_v2.pdf

It contains important material pertaining to university policies and responsibilities. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester. You should also be familiar with the information in the student handbook: www.westga.edu/handbook/

Class Rules: Please respect your instructor and other students in the class. No offensive or distracting behavior. 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.

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 proctored exams may be granted with a valid documented excuse, and only if you notify me before or on the day of the exam.

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

Last Date to Withdraw: *Wed February 27th* Any student who withdraws after this date will receive a grade of "F".

Course Accessibility: If you are a student who is disabled as defined under the Americans with Disabilities Act and require assistance or support services, please notify me and provide me with a copy of your packet from Student Services. The university will provide you with resources for any audio/visual needs that you may have with the learning management system or course content. Please contact instructor or UWG Accessibility Services for more information.

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 1/7 – Sun 1/13 In CourseDen (D2L) open the content module **WEEK 1 (start here)**.
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 ebook.
 5. Read ebook sections 1.1 real numbers, 1.2 exponents, 1.3 radicals
 6. Work the “Try-It” and section exercises, then check solutions at end of the ebook
 7. If you think you forgot basics, have a weak algebra foundation, or might struggle in this math class, please contact me.
- WEEK 2 Mon 1/14 – Sun 1/20 In CourseDen (D2L) open the module **WEEK 2** and follow the tasks.
1. Read ebook sections 1.4 polynomials, 1.5 factoring, 1.6 rational expressions
 2. Work the “Try-It” and section exercises, then check solutions at end of the ebook
 3. Attend the LIVE Monday Webinar (or view recording afterwards).
 4. Submit HW's 1.2, 1.3 (***grade due Wed 1/16**)
 5. Post your introduction in CourseDen discussion (***participation grade due Wed 1/16**)
 6. Reply to 2 students and instructor (***participation grade due Sun 1/20**)
 7. Submit HW's 1.4, 1.5, 1.6 (***grade due Sun 1/20**)
- WEEK 3 Mon 1/21 – Sun 1/27 In CourseDen (D2L) open the module **WEEK 3** and follow the tasks.
1. Read ebook sections 2.1 graphs, 2.2 equations, 2.3 models, 2.4 complex numbers
 2. Work the “Try-It” and section exercises, then check solutions at end of the ebook
 3. Attend the LIVE Monday Webinar (or view recording afterwards).
 4. Make Appointment for Proctored Midterm (***participation grade due Fri 1/25**)
 5. Post to math discussion #1 (***participation grade due Sun 1/27**)
 6. Submit HW's 2.1, 2.2, 2.3 (***grade due Sun 1/27**)
- WEEK 4 Mon 1/28 – Sun 2/3 In CourseDen (D2L) open the module **WEEK 4** and follow the tasks.
1. Read ebook sections 2.5 quadratic equations, 2.6 other equations
 2. Work the “Try-It” and section exercises, then check solutions
 3. Attend the LIVE Monday Webinar (or view recording afterwards).
 4. Reply to 2 students/instructor for math discussion #1 (***grade due Wed 1/30**)
 5. Submit HW's 2.4, 2.5, 2.6 (***grade due Sun 2/3**)
- WEEK 5 Mon 2/4 – Sun 2/10 In CourseDen (D2L) open the module **WEEK 5** and follow the tasks.
1. Read ebook sections 2.7 inequalities, 3.1 functions
 2. Work the “Try-It” and section exercises, then check solutions
 3. Attend the LIVE Monday Webinar (or view recording afterwards).
 4. Post to math discussion #2 (***participation grade due Sun 2/10**)
 5. Submit HW's 2.7, 3.1 (***grade due Sun 2/10**)
- WEEK 6 Mon 2/11 – Sun 2/17 In CourseDen (D2L) open the module **WEEK 6** and follow the tasks.
1. Read ebook sections 3.2 domain/range, 3.3 rates of change
 2. Work the “Try-It” and section exercises, then check solutions
 3. Attend the LIVE Monday Webinar (or view recording afterwards).
 4. Reply to 2 students/instructor for math discussion #2 (***grade due Wed 2/13**)
 5. Submit HW's 3.2, 3.3 (***grade due Sun 2/17**)
- WEEK 7 Mon 2/18 – Sun 2/24 In CourseDen (D2L) open the module **WEEK 7** and follow the tasks.
1. Read ebook sections 3.4 composition, 3.5 transformations, 3.7 inverses
 2. Work the “Try-It” and section exercises, then check solutions
 3. Attend the LIVE Monday Webinar (or view recording afterwards).
 4. Submit HW's 3.4, 3.5, 3.7 (***grade due Sun 2/24**)
- WEEK 8 Mon 2/25 – Sun 3/3 In CourseDen (D2L) open the module **WEEK 8** and follow the tasks.
1. Study for Midterm. Take PRACTICE MIDTERM in Courseden.
 2. Attend the LIVE Monday Webinar (or view recording afterwards).
 3. Take Midterm Exam during your appointment (***Midterm grade due Sat 3/2**)
 4. Post to midterm discussion. (***BONUS grade due Sun 3/3**)

WEEK 9 Mon 3/4 – Sun 3/10 In CourseDen (D2L) open the module **WEEK 9** and follow the tasks.

1. Read ebook sections 4.1 linear functions, 4.2 modeling
2. Work the “Try-It” and section exercises, then check solutions
3. Attend the LIVE Monday Webinar (or view recording afterwards).
4. Submit HW 4.2 (***grade due Sun 3/10**)

WEEK 10 Mon 3/11 - Sun 3/17 In CourseDen (D2L) open the module **WEEK 10** and follow the tasks.

1. Read ebook sections 11.1 systems, 5.1 quadratic functions
2. Work the “Try-It” and section exercises, then check solutions
3. Attend the LIVE Monday Webinar (or view recording afterwards).
4. Post to math discussion #3 (***participation grade due Sun 3/17**)
5. Submit HW’s 11.1, 5.1 (***grade due Sun 3/17**)

Mon March 18th – Sun March 24th *** SPRING BREAK *******

WEEK 11 Mon 3/25 – Sun 3/31 In CourseDen (D2L) open the module **WEEK 11** and follow the tasks.

1. Read ebook sections 5.2 power functions, 5.3 polynomial functions
2. Work the “Try-It” and section exercises, then check solutions
3. Attend the LIVE Monday Webinar (or view recording afterwards).
4. Reply to 2 students/instructor for math discussion #3 (***grade due Wed 3/27**)
5. Submit HW 5.2 (***grade due Sun 3/31**)

WEEK 12 Mon 4/1 – Sun 4/7 In CourseDen (D2L) open the module **WEEK 12** and follow the tasks.

1. Read ebook sections 5.4 dividing polynomials, 5.5 zeros of polynomials
2. Work the “Try-It” and section exercises, then check solutions
3. Attend the LIVE Monday Webinar (or view recording afterwards).
4. Submit HW’s 5.4, 5.5 (***grade due Sun 4/7**)

WEEK 13 Mon 4/8 – Sun 4/14 In CourseDen (D2L) open the module **WEEK 13** and follow the tasks.

1. Read ebook sections 6.1 exponential functions, 6.2 exponential graphs
2. Work the “Try-It” and section exercises, then check solutions
3. Attend the LIVE Monday Webinar (or view recording afterwards).
4. Make Appointment for Proctored Final (***participation grade due Fri 4/12**)
5. Post to math discussion #4 (***participation grade due Sun 4/14**)
6. Submit HW’s 6.1, 6.2 (***grade due Sun 4/14**)

WEEK 14 Mon 4/15 – Sun 4/21 In CourseDen (D2L) open the module **WEEK 14** and follow the tasks.

1. Read ebook sections 6.3 log functions, 6.4 log graphs
2. Work the “Try-It” and section exercises, then check solutions
3. Attend the LIVE Monday Webinar (or view recording afterwards).
4. Reply to 2 students/instructor for math discussion #4 (***grade due Wed 4/17**)
5. Submit HW’s 6.3, 6.4 (***grade due Sun 4/21**)

WEEK 15 Mon 4/22 – Sun 4/28 In CourseDen (D2L) open the module **WEEK 15** and follow the tasks.

1. Read ebook sections 6.5 log properties, 6.6 exp/log equations, 6.7 exp/log models
2. Attend the LIVE Monday Webinar (or view recording afterwards).
3. Submit HW’s 6.5, 6.6 (***grade due Sun 4/28**)

WEEK 16 Mon 4/29 – Sat 5/4 In CourseDen (D2L) open the module **WEEK 16** and follow the tasks.

1. Submit HW 6.7 (***grade due Tue 4/30**)
2. Do Online Course Evaluation (***participation grade due Tue 4/30**)
3. Attend the LIVE Monday final review (or view recording afterwards).
4. Study for final exam. Take PRACTICE FINAL in courseden.
5. Take Final Exam during your appointment (***Final Exam grade**)