

# University of West Georgia

MATH 1111: College Algebra

Summer 2018

Course Syllabus

**Instructor:** Dr. Christopher Jett

**Office:** 322 Boyd Building

**Class Location:** 304 Boyd Building

**Office Hours:** M/W: 10:30–11:00 & 2:00–3:00

**E-mail:** [cjett@westga.edu](mailto:cjett@westga.edu)

**Phone:** (678) 839-4130

**Class Meeting:** M/W 11:00 a.m.–1:30 p.m.

Other office hours by appointment

**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.

**University Policy:** Please carefully read and review the important information at the following link: [http://www.westga.edu/assetsDept/vpaa/Common\\_Language\\_for\\_Course\\_Syllabi.pdf](http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf). This link contains material pertaining to your rights and responsibilities as a student in this class. Because these statements are updated as federal, state, university, and accreditation standards change, please carefully review the information each semester.

## Required Textbook:

Miller, J., & Gerken, D. (2017). *College algebra*, (2nd ed.). New York, NY: McGraw Hill.

**Student Learning Outcomes:** Students should be able to demonstrate the following:

- An understanding of the equations of circles and lines
- An understanding of functions and how to graph functions
- An understanding of operations on functions including function composition
- An understanding of polynomial graphs, including intercepts and end-behavior
- An understanding of how to find the zeros of a polynomial and how to factor polynomials
- An understanding of inverse functions and how to find them graphically and algebraically
- An understanding of the properties of exponential and logarithmic equations
- An understanding of how to solve exponential and logarithmic equations
- An understanding of how to solve a system of equations

**Attendance Policy:** It is my expectation that students will attend every class session and be punctual. Class participation entails being an active participant in our learning community. In the event of an absence, students are expected to get the materials and information relevant to the missed class from their peers. There are only 3 unexcused and excused absences allowed during the summer semester. If you exceed 3 absences, then you will fail the course. Please note that is your responsibility to sign the attendance sheet during each class period.

**Instructional Methods and Activities:** During class sessions, a variety of pedagogical strategies will be employed to engage students in the mathematics teaching and learning dynamic and to foster an atmosphere for algebraic thinking and reasoning to flourish. Added to that, literature will be incorporated into various class sessions. Students are expected to be professional and active participants in class activities, algebraic tasks, learning designs, and other pedagogical frameworks.

**Evaluation Techniques:**

Test 1: 175 Points

Test 2: 175 Points

Quizzes: 100 Points (5 @ 20 Points Each)

Homework: 150 Points (3 @ 50 Points Each)

Mathematics in my Career Field Brochure: 150 Points

Final Exam: 250 Points

**Total – 1000 Points**

**Information about Course Assignments:***Mathematics in my Career Field Brochure*

This brochure must align with your major and career aspirations. A rubric concerning the specifics of this assignment will be forthcoming.

**Grading Scale:**

A: 1000–900 Points

B: 899–800 Points

C: 799–700 Points

D: 699–600 Points

F: Below 600 Points

**Important Dates:**

Exams are scheduled for the first half of class on Monday, June 18<sup>th</sup> and Monday, July 2<sup>nd</sup>. The Mathematics in my Career Field Brochure is due on Wednesday, July 11<sup>th</sup>. The final examination is scheduled for Monday, July 23<sup>rd</sup> from 11:00 a.m.–1:00 p.m.

**Class Policies and Procedures:**

1. Students are strongly encouraged to visit the Math Tutoring Center located in room 205 of the Boyd Building in the event that mathematical assistance is needed.
2. Homework must be submitted by 11:00 a.m. on the scheduled test dates in your homework folder.
3. There is no make up for quizzes under any circumstances.
4. Late work is accepted with a 50% penalty for one late assignment. Please note that only one assignment can be submitted late. Other late submissions above the allotted one will result in a grade of zero.
5. If a student must miss a test and has excused documentation, then the final examination will be used for the missed test in the calculation of the final course grade.
6. Calculators can be used during examinations; however, cell phones may not be used (even as calculators).
7. Please be sure that cellular phones are placed on vibrate or silent during class time.
8. Cheating is not tolerated. If a student is caught cheating, then the student will receive a zero for the test or assignment and will be reported for academic dishonesty.
9. Conferences can be beneficial and are encouraged. All conferences should occur during the instructor's office hours.
10. Grades cannot be sent via e-mail to students. Students are expected to keep accurate records and ascertain where they stand in the course.