

Arkansas State University
Spring 2025 College Algebra Syllabus

Math 1023-902 CRN: 61599

The Academies at Jonesboro High School

Instructor: Mrs. Jill Ashcraft

Room Location: The Academies at Jonesboro High School, Room #A118

Office Hours: Odd days 11:40-1:15, Even days 1:15-2:50

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Textbook(s) and Materials

Required Course Materials:

- **Cengage WebAssign** - The course homework and tests will all be completed on WebAssign. Each student will be given an access code for WebAssign during the first week.
- TI-84 Calculator (***NOT** required but recommended for at-home use*)
- Access to the internet at home to complete homework assignments.

Calculators: Students will be allowed to use a class set of TI-84 graphing calculators during the class period. However, the use of a cell phone and/or iPad calculator is not permitted. While the student is not required to purchase a calculator, I recommend that each student have a scientific/graphing calculator available at home for use on homework. I will have a handful that students may check out and return.

Google Classroom: Google Classroom will be used in this class instead of Canvas for all announcements, class updates, and the weekly schedule. The class code will be given the first week of school.

Purpose and Goals/Learning Outcomes

Course Description: Equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, and miscellaneous topics. Prerequisites are a math score and composite ACT score of 19 or better, a GPA of 2.75, and must have completed Algebra II. ASU admission requirements are not waived.

Student Learning Outcomes Associated with the Mathematics General Education “Using Mathematics”

Goal:

GOAL: Students should be able to use, understand and apply basic mathematical skills in practical applications.

OUTCOMES: Students should be able to

- Analyze quantitative/mathematical information (such as, formulas, graphs, and tables).
- Apply mathematical methods to solve problems.

Common Assessment:

Data is collected on the following problem types on a rotating basis from examinations given in all sections of College Algebra.

- **Solving Equations:** Linear, Absolute Value, Quadratic, Rational, Radical, Exponential, Logarithmic
- **Graphing:** Linear, Quadratic (Vertex Form and Standard), Rational, Exponential, Logarithmic
- **Domain:** Linear, Quadratic, Rational, Radical, Logarithmic
- **Creating Equations:** Line
- **Formulas:** Point-Slope, Quadratic Formula
- **Inverse:** Linear, Quadratic, Rational, Radical
- **Functions:** Evaluate, Compositions
- **Solving Systems with Two Variable**

The Department of Mathematics and Statistics General Education Assessment Committee uses this data to assess student learning in "Using Mathematics."

College Algebra (MATH 1023) Course Structure:

This course combines lectures with technology supported learning. Lessons will be taught face-to-face while homework and tests will be completed using Cengage WebAssign. The Final Exam will be on paper.

Policies

Class Etiquette:

- In order to maintain a positive learning environment, be respectful of your fellow students and your instructor. Class time is valuable, so please offer your undivided attention and avoid engaging in any behavior that disrupts the learning process of the class. To limit distractions, please make every effort to be on time.
- ***All cell phones and other electronic devices should be silenced and put away during the entire class period.*** Refrain from composing or reading text messages and e-mails on smart watches. An exception can be made when a special circumstance necessitates a student having their phone in sight during class time.
- Please seek prior approval in such an instance.
- Due to the computer equipment being present in the classroom, please do not eat or drink during class.

Academic integrity: Academic dishonesty may consist of copying from someone during an exam, copying material from the Internet, using crib notes or a cheat sheet on exams, handing in assignments that do not represent your own work, using your phone or an electronic device to look up answers, etc. For a complete statement of our Academic Integrity Policy, see the college catalog. It is your responsibility to know this policy. If you have any questions, please discuss them with me. A violation of the Academic Integrity Policy may result in a failing grade for this course.

Attendance: According to the ASU student handbook, the attendance policy states, "Students enrolled in freshman or sophomore level courses numbered 1000 or 2000 may during the spring and fall semester miss no more than twice the number of lectures or regularly scheduled class activities that would

normally be scheduled during a week. This is 6 days for this class. Students who miss more than the maximum number of freshman or sophomore level classes may be assigned a grade of "F" for the course.

Make-up Policy:

- Make every effort **NOT** to miss a test! If you miss a test for any reason a grade of "0" will be assigned. This will then become your 1 retake as mentioned in the next bullet point unless you've already taken it. Then it will remain a 0.
- ***Only ONE test can be made-up OR retaken during regular class time at the end of a quarter. Test 1 and 2 during the first quarter OR test 3 or 4 during the second quarter.***
- I will extend homework assignments after the due date for 25% off the score.

Sexual Misconduct Policy:

- Arkansas State works to provide a safe, productive learning environment. Title IX and university policy prohibit sexual discrimination, which regards sexual misconduct — including harassment, domestic and dating violence, sexual assault, and stalking. Sexual violence can undermine students' academic success.
- If you have been sexually assaulted, you can immediately speak with someone at NEARK's Family Crisis Center's 24-hour Sexual Assault Line: (870) 933-9449. Reports to law enforcement can be made to the University Police Department: (870) 972-2093
- If you or someone you know has been harassed or assaulted, support can be provided from the Counseling Center and Pack Support. The Student Health Center provides Sexual Assault resources. Alleged violations can be reported non-confidentially to the Title IX and Institutional Equity office. It provides local, state and national resources for counseling, law enforcement, medical treatment, financial assistance, and legal services.

Inclement Weather Policy:

- It is the students' responsibility to make up any missed assignments during inclement weather within a time frame to be determined by the professor.

Student Services:

- Students who require academic adjustments in the classroom due to a disability must first register with ***A-State Access and Accommodation Services (formerly Disability Services)***. Following registration and within the first two weeks of class, please contact your instructor to discuss academic and technology accommodations and submit a copy of your AIM accommodation letter to your instructor. Appropriate arrangements can be made to ensure equal access to the course.

A-State Policies:

- For additional information on A-State policies, please refer to the undergraduate bulletin and the student handbook.
<http://www.astate.edu/a/registrar/students/bulletins/>
<http://www.astate.edu/a/student-conduct/student-standards/handbook-home.dot>

Grading

Grading Scale:

20% Daily Grade - Homework

60% Tests (4)

20% Comprehensive Final Exam

100% Total number of Points Possible

Grading policy: Your course grade is based on the following percent scale

A 90-100% **B** 80-89% **C** 70-79% **D** 60-69% **F** Below 60%

Grade Breakdown:

- Homework makes up most of the work in this class but only makes up 20% of the final grade.
- Tests are given to make sure the student is understanding the material. These grades will count as 60% of the final grade as they should be a good representation of how well the student is doing in class. These will be completed on WebAssign.
- The Final Exam is comprehensive. This means it will cover content learned over the entire semester. This will be a paper test that students take in class. It is 20% of the final grade.

In order to do well in this class, it is important that the practice work be your own work to ensure you are prepared for all tests and the final. Review “Academic Integrity” under *Policies*.