

Instructor: Ms. Stephanie Angell**Room:** 2215**Office Phone:** (325) 794-4140 ext. 2763**E-mail:** stephanie.angell@abileneisd.org**Tutoring times:** Before or after school, or
during B Lunch by appt.**Textbook:** *College Algebra*, 12th edition, by Gustafson and Hughes.**Course Content:** See the attached Student Learning Outcome and Content sheet at the end of the syllabus for topics that are covered.**Attendance:** You are expected to attend all scheduled class meetings, arrive on time, and stay for the entire class period. Class attendance is crucial in this course to keep up with the material. If you miss class when there is a scheduled quiz or exam it is your responsibility to arrange a time to make up the quiz or exam.**Class****Expectations:** Students are expected to silence and not use cell phones during the class period. Students will be courteous and attentive when both the instructor and other students are offering answers and/or explanations.**Quizzes:** We will have a quiz *almost* every week that we do not have an exam. If you are absent on a quiz day, you need to make plans to take the quiz the day before or immediately upon your return to class. Quizzes will be weighted as three Classwork grades.**Homework:** Homework will be assigned 1 – 3 times per week, generally on DeltaMath. Each assignment will count as one Classwork grade. Keeping up with homework will help prepare you for the exams.**Late/Makeup****Work:** AISD grading policy will be followed in regard to late work and makeup work.**Exams:** We will tentatively have four exams and a comprehensive final exam. If you are absent on an exam day, you need to make plans to take the exam the day before or immediately upon your return to class.**Grading Scheme:**

Classwork/Homework and Quizzes	60%
Exams	40%

The following table determines how letter grades will be assigned in this course:

90% and above	80% to 89%	70% to 79%	60% to 69%	Less than 60%
A	B	C	D	F

Drop Date: February 2nd, 2022 is the last day to drop a course with a W or withdraw from the university.

Special Needs: ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation. The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student's responsibility to initiate such a request by contacting:

Ms. Dallas A. Swafford, Director of Student Disability Services
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center

Title IX

Statements: Angelo State University is committed to the safety and security of all students. If you or someone you know experience sexual harassment, sexual assault, domestic or dating violence, stalking, or discrimination, you may contact ASU's Title IX Coordinator:

Michelle Nicole Boone, J.D., Director of Title IX Compliance
Michelle.boone@angelo.edu
325-486-6357
Mayer Administration Building 204

Student Absence for Observance of Religious Holy

Day : A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Incomplete Grade

Policy: It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

Academic

Integrity: Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU. Academic Integrity

Plagiarism: Plagiarism is a serious topic covered in ASU's Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft. In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list. Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center.

Copyright

Policy: Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course

readings in printed or electronic form without written permission from the copyright holders or publishers.

General Policies**Related to this**

Course: All students are required to follow the policies and procedures presented in these documents:

[Angelo State University Student Handbook](#)

[Angelo State University Catalog](#)

**Mathematics 1314 – College
Algebra****Student Learning
Outcomes**

- 1. Students will demonstrate factual knowledge including the mathematical notation and terminology used in this course.** Students will read, interpret, and use the vocabulary, symbolism, and basic definitions used in college algebra including the real numbers, exponents, radicals, polynomials, factoring, functions, equations, inequalities, and graphs.
- 2. Students will describe the fundamental principles including the laws and theorems arising from the concepts covered in this course.** Students will identify and apply the laws and formulas that result directly from the definitions; for example, the quadratic formula, rules of exponents, and properties of logarithms.
- 3. Students will apply course material along with techniques and procedures covered in this course to solve problems.** Students will use the facts, formulas, and techniques learned in this course to simplify algebraic expressions, graph functions, and solve inequalities, equations and systems of equations.
- 4. Students will develop specific skills, competencies, and thought processes sufficient to support further study or work in this field or related fields.** Students will acquire a level of proficiency in the fundamental concepts and applications necessary for further study in academic areas requiring college algebra as a prerequisite, or for work in occupational fields requiring a background in algebra. These fields might include education, business, finance, marketing, computer science, physical sciences, and engineering, as well as mathematics.

**Course
Content**

Textbook: *College Algebra*, 12th Edition, by Gustafson and Hughes. The following chapters including the particular sections listed are covered.

- 0. A Review of Basic Algebra:** Real Numbers; Integer Exponents and Scientific Notation; Rational Exponents and Radicals; Polynomials; Factoring Polynomials; Rational Expressions.

- 1. Equations and Inequalities:** Linear Equations and Rational Equations; Applications of Linear Equations; Complex Numbers; Quadratic Equations; Applications of Quadratic Equations; Other Types of Equations; Inequalities; Absolute Value.
- 2. Functions and Graphs:** Functions and Function Notation; The Rectangular Coordinate System and Graphing Lines; Linear Functions and Slope; Writing and Graphing Equations of Lines.
- 3. Functions:** Graphs of Functions.
- 4. Polynomial and Rational Functions:** Quadratic Functions.
- 5. Exponential and Logarithmic Functions:** Exponential Functions and Their graphs; Logarithmic Functions and Their graphs; Properties of Logarithms; Exponential and Logarithmic Equations.
- 6. Linear Systems:** Systems of Linear Equations; Partial Fractions.

Core Curriculum Student Learning Objectives:

Core Objective (Critical Thinking): Gather, analyze, evaluate, and synthesize information relevant to a question or issue. (CT1)

- o **Course Student Learning Objective:** Students will use mathematical facts, formulas, and techniques to analyze and interpret information related to algebraic expressions and equations.
- o **Assessment:** Assessment exam that demonstrates CT1.

Core Objective (Communication): Develop, interpret, and express ideas through effective visual communication. (CS3)

- o **Course Student Learning Objective:** Students will create and interpret graphs of algebraic and transcendental functions.
- o **Assessment:** Assessment exam that demonstrates CS3.

Core Objective (Empirical and Quantitative Skills): Manipulate and analyze observable facts and arrive at an informed conclusion. (EQS2)

- o **Course Student Learning Objective:** Students will use the facts, formulas, and techniques learned in this course to draw conclusions about the properties of various algebraic expressions, equations, and functions.
- o **Assessment:** Assessment exam that demonstrates EQS2.

Course Calendar*

Week #	Dates	Chapter in Book Covered
1	1/4 – 1/7	Syllabus, 0.1, 0.2
2	1/10 – 1/14	0.3, 0.4
3	1/18 – 1/21	0.5
4	1/24 – 1/28	0.6, Review, Exam
5	1/31 – 2/4	1.1, 1.2
6	2/7 – 2/11	1.3, 1.4
7	2/14 – 2/18	Review, Exam
8	2/22 – 2/25	1.5, 1.6
9	2/28 – 3/4	1.7, 1.8
10	3/7 – 3/11	Review, Exam
11	3/14 – 3/18	2.1, 2.2
12	3/21 – 3/25	2.3, 2.4
13	3/28 – 4/1	3.1, 4.1
14	4/4 – 4/8	Review, Exam
15	4/11 – 4/14	5.1, 5.3
16	4/18 – 4/22	5.5, 5.6
17	4/25 – 4/29	6.1, Review
18	5/2 – 5/6	Review, Exam

*The course calendar is a guideline and is subject to change as necessary.