This syllabus is current and accurate as of its posting date, but it will not be updated. For the most complete and up-to-date course information, contact the instructor.

**Contact Information**

**Instructor:** Dr. Dennis Hall

**Office:** MCS 220J

**Office Hours:**
- Monday: 9-10 and 11:50-1:00
- Tuesday: 10:45-12:30
- Wednesday: 11:50-1:00
- Thursday: 10:45-12:30
- Friday: 9-10 and 11:50-1:00

...or just email me a time that works, and I can probably meet you then!

**E-mail:** dennis.hall@angelo.edu

**Phone:** 325-486-5426

**Course Information**

**Course Description:** Exponents and radicals, logarithms, factoring, algebraic quotients, systems of equations, inequalities, absolute value, complex numbers, quadratic equations, binomial theorem, progressions, theory of equations, and determinants.

**Textbook:** *College Algebra* from OpenStax. This is a free textbook available online at [http://www.openstax.org/details/college-algebra](http://www.openstax.org/details/college-algebra). You can also purchase a print version, if you prefer, via the campus bookstore.

**MyOpenMath:** The free electronic resource MyOpenMath will be used in this course. To access MyOpenMath, click the various homework links in Blackboard. You DO NOT need to purchase access.

**Gradescope:** The blackboard-integrated software Gradescope will be used to grade your tests in this class. Paper copies of tests will not be given: access your graded tests in Blackboard.
**Course Content:** The following chapters including the particular sections listed are covered.

1. **Prerequisites:** Real Numbers: Algebra Essentials; Exponents and Scientific Notation; Radicals and Rational Exponents; Polynomials; Factoring Polynomials; Rational Expressions.
2. **Equations and Inequalities:** The Rectangular Coordinate Systems and Graphs; Linear Equations in One Variable; Models and Applications; Complex Numbers; Quadratic Equations; Other Types of Equations; Linear Inequalities and Absolute Value Inequalities.
3. **Functions:** Functions and Function Notation; Domain and Range; Absolute Value Functions.
4. **Linear Functions:** Linear Functions.
5. **Quadratic Functions:** Quadratic Functions.
6. **Exponential and Logarithmic Functions:** Exponential Functions; Graphs of Exponential Functions; Logarithmic Functions; Graphs of Logarithmic Functions; Logarithmic Properties; Exponential and Logarithmic Equations.
7. **Systems of Equations and Inequalities:** Systems of Linear Equations: Two Variables; Systems of Linear Equations: Three Variables.

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**Course Schedule**

**Weekly Schedule**

- Week 1: Sections 1.1 and 1.2
- Week 2: Sections 1.3 and 1.4
- Week 3: Sections 1.5 and 1.6
- Week 4: Sections 2.1 and 2.2
- Week 5: Sections 2.3 and 2.4
- Week 6: Sections 2.5 and 2.6
- Week 7: Sections 2.7 and 3.1
- Week 8: Section 3.2 and 3.6
- Week 9: Spring Break
- Week 10: Sections 4.1 and 5.1
- Week 11: Sections 6.1 and 6.2
- Week 12: Section 6.3
- Week 13: Section 6.4
- Week 14: Sections 6.5 and 6.6
- Week 15: Sections 7.1 and 7.2
- Week 16: Final Exam
Course Evaluation

This course is using a “standards-based” grading system. Your final course grade will be based on weekly tests and a final exam, subject to the following rules.

Tests (75%): You will be given a 20-minute test at the beginning of class every Thursday. A test will cover all sections completed in class since the previous test.

Test Re-Takes: A key component of this grading system is that you can re-take a test an unlimited number of times, subject to the following rules.

1. There is no partial credit on tests. A question is either 100% correct or 100% incorrect.
2. You must score at least 60% on a test, or else the grade for that test is 0.
3. Your most recent attempt on an individual test is the grade that is counted in the gradebook. This is true even if the most recent attempt is not your best attempt.
4. The re-take tests will cover the same material as, but may be significantly different than, previous versions of the test.
5. Only one test may be taken per day, except during the 5-7pm test days, when up to four may be taken at once.
6. You must either re-take a test during my office hours or during the 5-7pm test days. If neither of these times are possible, documentation must be shown of the conflict.
7. Though you may re-take a test an unlimited number of times, there are some requirements that you must meet:
   a. 1st re-take: No requirements.
   b. 2nd re-take: You must get at least 80% on the practice test.
   c. 3rd and subsequent re-takes: You must meet with me to go over all previous tests and convince me that you will earn an improved score on this re-take.

Re-take Days: February 11, March 3, March 31, April 21 from 5-7pm in MCS 210

Final Exam (25%): The final exam will be a regular final exam, will include partial credit, and will be taken at your final exam time. The final exam will cover all topics from the entire semester. There are no re-takes for the final exam.

The Final Exam will take place on Thursday, May 7 at 8a (morning class) & 10:30a (afternoon class).
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

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 to disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university’s Statement of Academic Integrity.

Accommodations for Students with Disabilities
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.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

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.

Student Absence for Observance of Religious Holy Days
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.
Title IX at Angelo State University

The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Directer of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

Student Learning Outcomes

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,.

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.

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.

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.
Angelo State University offers many free ways to get help in your classes, especially in math.

1. **Math Lab**: A tutoring lab staffed by undergraduate tutors. This lab has computers and empty tables where you can study or work on homework, and ask questions as needed. You can also just stop by to ask specific questions. No appointment is needed.

   Location: 3rd floor of the library, Room C302

   Hours: Monday-Thursday 9am-8pm; Friday 9am-Noon; Sunday 4pm-8pm

   Contact: [https://www.angelo.edu/dept/freshman-college/math-lab.php](https://www.angelo.edu/dept/freshman-college/math-lab.php) or 325-486-6369

2. **Upswing**: An online tutoring service paid for by ASU. Schedule a session, or connect instantly with one-on-one tutors using a virtual whiteboard, audio, and (optionally) video.

   Location: [https://angelo.upswing.io/](https://angelo.upswing.io/) and click "New User"

   Hours: 24/7 or by appointment

3. **Office Hours**: I have nine hours every week that are set aside to work with students. These hours are on the first page of this syllabus, and no appointment is necessary during these times. I am also available at other times by appointment. Speak with me after class or email me at [dennis.hall@angelo.edu](mailto:dennis.hall@angelo.edu) to set up a time.

4. **Email**: Almost every day, I am available via email at [dennis.hall@angelo.edu](mailto:dennis.hall@angelo.edu). Feel free to email me anytime with questions: I’ll respond as soon as possible.

5. **Private Tutors**: Though not free, the mathematics department also maintains a list of students that are interested in private tutoring. Stop by the math department office for more information.

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i [https://www.angelo.edu/student-handbook/](https://www.angelo.edu/student-handbook/)

ii [https://www.angelo.edu/catalogs/](https://www.angelo.edu/catalogs/)

iii [https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php](https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php)

iv [https://www.angelo.edu/services/disability-services/](https://www.angelo.edu/services/disability-services/)

v [https://www.angelo.edu/content/files/14197-op-1011-grading-procedures](https://www.angelo.edu/content/files/14197-op-1011-grading-procedures)

vi [https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of](https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)