Math 1314: College Algebra - Course Syllabus

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

Instructor: Dr. Dennis Hall
Office Hours: M 11:00–12:00
T 12:30–2:00
W 11:00-12:00 & 2:00–4:00
Th 11:00-12:00 & 2:00–4:00
F 10:00-1:00

Office: MCS 220H
E-mail: dennis.hall@angelo.edu
Phone: 325-486-5426

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, 12th Edition by Gustafson and Hughes. The electronic supplement WebAssign will also be required.

WebAssign: The electronic resource WebAssign will be used. To sign up, go to WebAssign.net and click “Enter Class Key” at the top right. Our class key is angelo 5698 9899.

Evaluation: Your grade for this course will be determined by your performance on tests, homework, quizzes, and a final exam. Final grades will be based on a standard 10-point grading scale.

Our Test Dates
• September 25: Test 1, 5-7PM
• October 16: Test 2, 5-7PM
• November 6: Test 3, 5-7PM
• November 27: Test 4, 5-7PM
• December 13: Final Exam, 1-3PM

Other Important Dates
• August 28: First day of class
• September 4: Labor Day (No Class)
• November 3: Last day to drop a class
• November 22-24: Thanksgiving Break
• December 11-14: Final Exams
**Exams:** There will be 4 in-class tests during the semester and a comprehensive final exam. Each test will count 14% of your final grade, and the final exam will count 25%. If it helps your final average, then your final exam grade will replace your lowest test grade. If you know that you will be absent during a test, then you must speak to me about it beforehand. If you miss up to one test for an unavoidable reason, then you must bring me documentation of the reason in order to discuss the possibility of a make up test. In no case will a student be allowed to make up more than one test for any reason: any other missed tests will result in a grade of zero.

**Homework:** Homework will be assigned at least once a week on the WebAssign software. See above for how to sign up. Late homework will not be accepted. Your lowest three homework grades will be dropped.

**Quizzes:** Quizzes will be short in-class assignments that may be given throughout the semester. Quizzes cannot be made up, but your lowest quiz grade will be dropped.

**Course Content:** 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.


5. Exponential and Logarithmic Functions: Exponential Functions and Their graphs; Logarithmic Functions and Their graphs; Properties of Logarithms; Exponential and Logarithmic Equations.


**How to Get Help:** This will be a fast-paced and rigorous course. It is assumed, then, that you will need help outside of class. There are several ways that you can receive this help:

- **Office Hours:** I have ten hours every week that are set aside to work with students. These hours are on the first page of this syllabus. I am also available at other times by appointment: speak with me after class or email me at dennis.hall@angelo.edu to set up a time.

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

- **Math Lab:** Free tutoring is available in the math lab both in-person (on the third floor of the library, room C302), and live online. Stop by the Math Lab or visit [http://www.angelo.edu/dept/mathematics/lab_hours.php](http://www.angelo.edu/dept/mathematics/lab_hours.php) for more information.

- **Private Tutors:** The mathematics department maintains a list of students that are interested in tutoring. Stop by the department office for more information.
Student Disability Services:
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:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu

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.

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. (http://www.angelo.edu/opmanual/ – OP 10.19)

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

Title IX:
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 Boone
Director of Title IX Compliance
325-486-6357
michelle.boone@angelo.edu

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

Student Learning Outcomes: Upon successful completion of the course, students will be able to:

- 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.

- 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.
## Dr. Hall's Math 1314 Course Calendar (Section 40)

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<th>Sun</th>
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<td>Quiz: 0.1/0.2/0.3</td>
<td>Class: 0.5</td>
<td>Review In Library</td>
<td>HW: 0.4/0.5</td>
<td>Class: 0.6</td>
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<td>24-Sep</td>
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<td>Review in Library</td>
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<td>EXAM* ON: 0.1, 0.2, EXAM* ON: 0.3, 0.4, 0.5</td>
<td>HW: 0.4/0.5</td>
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<td>HW: 1.3/1.4/1.5</td>
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<td>Class: 3.1/4.1</td>
<td>HW 3.1</td>
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<td>Class: 5.1/5.3</td>
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<td>HW: 6.1/6.6</td>
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* All regular exam days will be a review in class, and the exam will take place from 5:00pm - 7:00pm