

Math 1314 Dual Credit- College Algebra- Spring 2022 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 Information

Name: Mrs. Codi Jaynes

Office: MCS 220C

Phone: 325-486-5446

Email: codi.jaynes@angelo.edu

Office Hours:

Monday: 9:00 – 10:00 am; 11:00 am – 12:00 pm

Tuesday: 10:00 am – 12:00 pm

Wednesday: 9:00 – 10:00 am; 11:00 am – 12:00 pm; 2:00 – 3:00 pm

Thursday: 2:00 – 3:00 pm

Friday: 9:00 – 10:00 am; 11:00 am – 12:00 pm

Times listed are for face-to-face, walk-in meetings. If you would like to schedule a remote meeting, please email me or call my office.

Course Delivery

This is an online course and therefore all of the learning will take place online. Exams will be administered in person at your high school (with the assigned proctor) or at an approved testing center.

Prerequisites

While there are not any set prerequisites for this course, it is highly recommended that students complete the high school math sequence through Algebra 2 before enrolling in this course.

Class Expectations & Participation:

To be successful in this course you must be able and willing to do the following:

- Access the internet from school and/or home
- Spend quality time each week learning new material and completing homework (approximately 10-12 hours or more)
- Organize your notes, homework, and exam reviews in an easily accessible and easily readable form, preferably in a 3-ring binder
- Ask questions, form a study group, and visit the Math Lab or use Upswing as needed
- Complete all homework accurately and on time
- Prepare for exams and perform successfully on exams
- During the week, a regular lecture course would spend 3 hours a week to cover the topics in a lecture format. For online courses, you need to allot around 3 hours a week to watch the lecture videos and utilize any resources needed.

- As an estimation, you can expect to spend an additional 6 – 9 hours a week completing the homework, quizzes, and studying for exams.
- Keep in mind that all homework will be due at 4:00 pm. Try to work on your assignments early, as computer and internet problems do occur. Extensions on assignment due dates are typically not granted.
- Keep a homework notebook with problems thoroughly worked out to help study for your exams.
- Feel free to email me to request a remote meeting at any time for help. I will definitely be near my office during my office hours. If my office hours are not convenient for you, send me an email to arrange for another time that is more convenient.

Common Courtesy

Be courteous to your peers when they are responding in class by listening to what they have to say.

You are not given a grade in a college course; you EARN your grade. It is your responsibility to put in as much effort as it takes to earn this grade. This includes utilizing (as needed) all available study aid options (my office hours, the Math Lab, reading outside texts, etc.) to resolve any questions or concerns you might have about any aspect of the course.

Blackboard & Email:

- Blackboard is ASU's Learning Management System (LMS). Essentially, this means that Blackboard needs to be the first place you go if you have any questions or need anything. All of our course content will be accessible through Blackboard, along with lots of helpful tips, links, and videos. I post notes, reviews, and other documents on Blackboard. I expect you to print these documents and use them throughout the course. I will also post grades and other important announcements on Blackboard.
- Blackboard can be accessed through RamPort or by visiting <http://blackboard.angelo.edu>.
- I will frequently send you information via email. It is your responsibility to regularly check your angelo.edu email account. Emails from me will be sent to your ASU e-mail account. During the working day (Monday – Friday from 9am – 4pm), I will do my best to reply to your emails within 2 hours. Outside of the working day, I will respond as soon as possible, but it might be the next working day before a response is sent.
- Our class will also utilize a free app called Microsoft Teams for communication. The Teams app needs to be downloaded onto your phone. Use your ASU username and password to log in. More information on Teams will be available on Blackboard.

Technology Requirements

To successfully complete this course, students need to have daily access to the following technology: smartphone or scanner, laptop/tablet/desktop with webcam/mic, and a printer.

Lecture Notes

It is your responsibility to print the lecture notes from Blackboard and bring them to class each day. I strongly suggest keeping your notes and other class materials in a 3-ring binder. If you have a touch-enabled device with a stylus, you can download the notes prior to class and fill them in using your device in class.

Check-In Times

We will also have periodic check-ins. These will be online meetings where we will touch base about any questions/issues you may be having. I will post dates on our class calendar. If you attend your check in, you will get a grade of 100. If you don't schedule a meeting with me, or fail to show up for your appointment, you will receive a 0. More information for this can be found in Blackboard.

Grading

Grades will be determined as follows:

- Homework: 15%

- Check-Ins: 5%
- Exams 1 – 4: 15% each (60% total)
- Final Exam: 20%

Homework

Homework will be assigned over each section from the textbook (listed under “Course Content”). Additional practice will be available through MyOpenMath software, which is a free online homework system.

- Homework will consist of worksheets and textbook problem sets, all submitted digitally via Gradescope.
- **No late work will be accepted!**
- I will drop 3 homework grades at the end of the semester to help compensate for unavoidable circumstances.

Exams

There will be 4 exams during the semester and a cumulative final. Calculators are NOT allowed on the first exam. Non-graphing, scientific calculators will be permitted on the remaining exams. All exams will be paper/pencil exams. Your exams will be split over 2 days, since all dual credit class lengths are slightly different. The tentative exam dates are as follows: 2/15 and 2/16; 3/8 and 3/9; 4/5 and 4/6; 4/26 and 4/27.

There will be no make-up exams. If it benefits you, your final exam grade may replace your lowest test grade. This means that if you miss one test, your final exam grade will replace it. If you miss a second test, you will receive a grade of zero for it.

If you are not able to take your exam at the scheduled time, you need to **email me** at least 5 days before the scheduled test time. If you are ill, you must send me an official doctor’s note stating that you cannot come take the exam before the scheduled test time. All decisions regarding changes in testing will be made at my discretion.

Due to the nature of the dual credit courses, exact exam times cannot be set. However, your exams will be taken on your campus with a proctor or teacher. The dates below are tentatively scheduled. If you are unable to take your exam on the date given, please email me and we will find a solution.

Final Exam

A comprehensive final exam will be Tuesday, May 10th and Wednesday, May 11th. Specific details on exam delivery will be given later in the semester.

Drop Date

April 28th is the last day to drop a course with a W or withdraw from ASU.

Final Averages

Final averages will be determined using the following scale: A: an average of 90 or above; B: an average of 80 – 89; C: an average of 70 – 79; D: an average of 60 – 69; F: an average below 60

General University Policies Related to This Course

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

- [Angelo State University Student Handbookⁱ](#)
- [Angelo State University Catalogⁱⁱ](#)

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 university's [Statement of Academic Integrity](#)ⁱⁱⁱ (Page 97).

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](#).^{iv} The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dr. 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](#)^v 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](#)^{vi} for more information.

Title IX at Angelo State University

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Miller, J.D. You may submit reports in the following manner:

Online: [Incident Reporting Form](#)^{vii}

Face to Face: Mayer Administration Building, Room 210

Phone: 325-942-2022

Email: michelle.miller@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit the [Title IX website](#).^{viii}

Information About COVID-19

Please refer to ASU's [COVID-19 \(Coronavirus\) Updates](#)^{ix} web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

Modifications to the Syllabus

This syllabus, including grade evaluation and course schedule, is subject to modification on potentially short notice based on developing circumstances.

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, 2nd edition* from OpenStax. This is a free textbook available online. A link to the proper book will be linked within Blackboard. You can also purchase a print version, if you prefer, via the campus bookstore. The following topics are covered.

1. **A Review of Basic Algebra:** Real Numbers; Integer Exponents and Scientific Notation; Rational Exponents and Radicals; Polynomials; Factoring Polynomials; Rational Expressions.
2. **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.
3. **Functions and Graphs:** Functions and Function Notation; The Rectangular Coordinate System and Graphing Lines; Linear Functions and Slope; Writing and Graphing Equations of Lines.
4. **Functions:** Graphs of Functions.
5. **Polynomial and Rational Functions:** Quadratic Functions
6. **Exponential and Logarithmic Functions;** Exponential Functions and Their Graphs; Logarithmic Functions and Their Graphs; Properties of Logarithms; Exponential and Logarithmic Equations.
7. **Linear Systems:** Systems of Linear Equations.

Subject Matter: (tentative schedule: subject to change)

The subject matter schedule listed below is tentative, and subject to change and adaptation. For current, updated information about course topics, contact the instructor or see Blackboard.

Week	Topics
1	Syllabus & Orientation
2	Real Number, Exponents, Scientific Notation, Rational Exponents, Radicals
3	Rational Exponents, Radicals, Polynomials, Factoring
4	Factoring, Rational Expressions
5	EXAM 1 ; Rational Expressions, Linear Equations
6	Applications of Linear Equations, Complex Numbers, Quadratic Equations
7	Quadratic Equations, Other Types of Equations
8	EXAM 2 ; Other Types of Equations, Inequalities
9	Inequalities, Rectangular Coordinate System, Functions and Function Notation
10	Domain and Range, Linear Functions
11	EXAM 3 ; Quadratic Functions, Exponential Functions
12	Logarithmic Functions, Properties of Logarithms
13	Exponential & Logarithmic Equations
14	EXAM 4 ; Systems of Linear Equations
15	Review for Final Exam
16	FINAL EXAM

ⁱ <https://www.angelo.edu/current-students/student-handbook/>

ⁱⁱ <https://www.angelo.edu/academics/catalog/>

ⁱⁱⁱ <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=97>

^{iv} <https://www.angelo.edu/current-students/disability-services/>

^v <https://angelo.policystat.com/policy/10659448/latest/>

^{vi} <https://angelo.policystat.com/policy/10659368/latest/>

^{vii} <https://www.angelo.edu/incident-form>

^{viii} <https://www.angelo.edu/title-ix>

^{ix} <https://www.angelo.edu/covid-19/>