

Math 1314 Syllabus
College Algebra
Fall 2026 Sul Ross State University

Sec. 002:	Tue, Thu: 2–3:15p in ACR 204
Instructor:	Dr. Kris Jorgenson
Office:	ACR 109D
E-mail:	kjorgenson@sulross.edu
Office Hours:	Mon, Tue, Thu: 10-11a; 3:30-4:30p; Wed: 10-11a;
	Fri: 10a-12p, 3:30-4:30p also by appointment

Course Description: The prerequisite is Math 0301 or a satisfactory score on a Mathematics Placement Exam. This is a college-level algebra course for students who plan to take calculus. Topics include linear and quadratic equations and functions, inequalities, sets of real numbers, rectangular graphs, complex numbers, exponential and logarithmic functions with real-world application problems.

This course satisfies 3 hours of math requirements of the Core Curriculum.

Students who are required to take Math 1314 include those planning to take

- (1) Calculus 1 (Math 2413, which has the additional prerequisite of Math 1316);**
- (2) Business Calculus (Math 1325);**
- (3) Foundations of Elementary Mathematics 1 (Math 2310);**
- (4) Computer Science and many other Bachelor of Science Degrees—check with your advisor.**

Student Learning Objectives Successful students will demonstrate correct understanding and knowledge of the algebra topics including but not limited to those of the Course Description. Particular emphasis will be placed on the order of operations and the algebra and language of functions. Students will apply concepts and problem-solving methods to different problem-solving situations. Students will demonstrate correct knowledge of the difference between numbers that are in exact form and numbers that are approximate and will be able to report numbers in exact form and with a correct approximation when required. Such numbers are often in the context of other mathematical objects such as a function or algebraic expression. Students will express their solutions clearly in writing and complete sentences when appropriate.

Required Elements: This is a Face-to-Face class, so your attendance is required and will be explicitly rewarded.

Textbook: College Algebra, 3rd Edition by Paul Sisson, ISBN (including software bundle): 978-1-64277-169-5. You are required to get the software package for online homework that includes an electronic copy of the textbook. A hard copy of the textbook is optional though it may be very helpful. Some of your homework grade will be based on online homework, which is denoted OHW (Online Homework). The OHW assignments will be listed in the lecture notes along with other required homework problems. You should collect the OHW problems as well as the lecture notes HW together in a notebook that you will be able to use during the in-class quizzes.

Scientific Calculator: There will be some need of a scientific calculator, which has buttons with denotations such as y^x , a^b , or $^{\wedge}$, e^x , LN, LOG, but use of a calculator will not be a large part of this course. Only a stand-alone (not connected to a phone or computer) calculator may be used during the in-class quizzes and tests. Appropriate scientific calculators cost usually \$10-\$50 each. Any graphing calculators (for example the TI-83, TI-84, TI-89 or TI-92) **are not allowed**.

Class Materials: Students are expected to be prepared in every class with pencils and paper in some sort of organized notebook for taking notes of lecture content and examples that will help you with the homework. You are required to be involved in class activities every class day. This will be part of your grade.

Blackboard: You are required to have access to Blackboard and have an e-mail address that you check regularly be your e-address registered in Bb since I will regularly need to contact you outside of class with important information.

Pandemic Restrictions It is strongly encouraged that students get a vaccination and a booster for the Covid-19 Corona Virus. Students are also encouraged to wear a proper face covering and follow social distancing guidelines based on your own personal decision as there have been recent increases in contagious diseases that includes Covid-19.

Grading and Assignments: The assignments discussed below will help students achieve all of the Learning Objectives mentioned previously through active learning and assessment. Your total grade will break down as follows:

Daily Grade (DG) is worth **30%** of your total grade and consists of **Class Study Grades (CSG) (10%)**, **Online Homework (OHW) (10%)**, and in-class **Quizzes (10%)**. Every class day after the first class there will be either a major test, in-class quiz, or a CSG. The **Test Average** worth **70%** will be based on 3 unit tests. I give letter grades according to the traditional 90%-100% for an A; 80-89% for a B; 70-79% for a C; 60-69% for a D; and less than 60% for an F; with some exceptions. Students whose total average is between 50-59% with Test Average over 50% will often be rounded up to a D but only if the student has completed every major assignment (no exceptions) while doing their own best work. Students working similarly with a borderline grade of 89%, 79%, or 69% will often be rounded up to the next grade-level as long as their test average is in line with this total average.

In each class, students will be told which of the assignments they should be concentrating on from the online and lecture notes HW in order to stay caught up. There are deadlines posted for the OHW that serve as a guideline to help you keep up with this HW. It is very important that you keep up with all of the homework (online and lecture notes HW) in your notebook. On average, students should make it a goal to complete and understand 5 or more homework exercises each day. The homework assignments (which include the online homework and the lecture notes HW) will be the basis for the 3 unit tests. The Quizzes will primarily be over the HW in the lecture notes.

Besides studying and doing the online and lecture notes HW, students should always study and/or correct their graded quizzes, since this affords an important opportunity for learning material that will appear on the tests. Making mistakes based on your own work and correcting these mistakes with my help, if necessary, is a great way to learn mathematics! Additionally, students will be able raise 1 Quiz grade to 100% before each test by communicating with me and correcting the quiz in order to fill in any gaps in your understanding before the corresponding test, but only if your HW notebook is up to date.

So this will be an added bonus for keeping up with the HW in your notebook (both online and from the lecture notes).

There will be **3 Unit Tests** each based on the corresponding Unit Assignments. Each of these tests will count in your **test average**. Students may only use pencil(s)/eraser(s) and scientific calculator during these 3 tests, which will be given in class. The dates for the Unit Tests are as follows.

Test 1	Thu: Sep. 24
Test 2	Thu: Oct. 29
Test 3	Mon. Dec 7: 12:30-2:30p

Test 3 will be given during finals week during the allotted 2-hour period.

To Guarantee Full Credit for Work Done at a Time Different Than the Scheduled Time:

* For Tests or In-class Quizzes, be sure to contact me about the missed grade **before or by the day of the absence** and be able to produce documentation for a medical excuse or from a faculty sponsor for an absence due to a trip or activity with a Sul Ross student organization. You can send me these documents by e-mail or in-person. Be sure to make an appointment with me to make up the quiz or test in my office area no more than 2-3 days before or after the absence.

* For a Class Study Grade, if you document your absence as explained in the previous paragraph, you can make up the CSG in my office area before the day of the next test.

* For Online Homework, the OHW deadlines are a guide to help you keep up with these online assignments, but you can still earn full credit on an OHW assignment as long as you complete it before the corresponding impending test.

Attendance I will be taking attendance as university policy precludes you from missing 3 weeks or more for anything other than authorized university activities. To excuse an absence for a university activity, in addition to letting me know of the absence by the day of the absence (as explained previously) you must also spend at least 60 minutes outside of class on this course with me or with a tutor, but they will need to sign a note that documents this made-up time. Also I will allow you to excuse a test day for a documented medical absence as long as you also make up the test with me or in the testing center. If you have 3 weeks or more of unexcused absences, I reserve the right to drop you from this class with a grade of 'F', which is university policy.

Good Advice Concentrate on learning the material of the course rather than worrying about your grade. Your time is best spent concentrating on the material to be learned in the impending assignments, asking questions, and devoting yourself to activities that will help you learn the material and do better in the course. I will worry about the details of your grade since you doing so does not help you earn a higher grade. But learning the material and doing well on the tests *will* help your grade. **Remember that math is not a spectator sport**, so the more problems you work yourself, and the more practice you get, the more confident you will be, and you will do better in this course. Working on the problems helps you to figure out what your specific questions are. Remember an individual homework or

quiz grade may not count for a lot in your overall grade, but working and learning from the homework and quizzes is **essential** because this is where you learn the topics that will appear on the tests, which do count for a lot of your grade. The best lessons learned often come from correcting a quiz or homework problem in which you have made a mistake.

More Good Advice

Keep absences to a minimum. You never know when you might miss something important either from the lecture or class discussion such as questions other students ask.

Remember: YOU ARE RESPONSIBLE FOR EVERYTHING THAT IS DISCUSSED DURING CLASS WHETHER YOU ARE PRESENT OR NOT.

Also do not allow yourself to develop bad habits such as missing classes. It's human nature to be controlled by our habits, so once you develop a weekly habit for the semester, it can be hard to break this habit. So be sure that you allow the necessary time for this course FROM THE BEGINNING OF THE TERM, ESPECIALLY if you consider mathematics to not be your best subject. If you have trouble in math, then you should attend EVERY class of a college mathematics course. Not showing up to class or not doing the required work will not cause this class to magically go away. If you are not understanding the material and/or have fallen behind in your work, missing class will not help. IF YOU FALL BEHIND, PLEASE DO NOT DROP THIS COURSE WITHOUT TALKING TO ME FIRST. Making mistakes or falling behind is natural, so it is best to talk to me about this. If you do have to miss class, let me know beforehand. Discuss with me what you are not understanding. It is essential to get your questions answered. But meeting with me outside of class is not a substitute for attending class.

Ask questions no matter how easy or trivial they may seem. There is no such thing as a bad or silly question. Questions result when you are interested and have been thinking about areas, such as mathematics, in which you have limitations in your educational background. Being in a college mathematics course means you will have questions both obvious and more subtle. Asking questions is a very important part of learning.

Study and work problems regularly—every day or every other day. Work on assignments discussed in class as soon as you can after class while the methods discussed are still fresh in mind. You can't expect to succeed in a math course by waiting till the last minute to only study and cram prior to a test. If you promise yourself you will study for a ½-hour, get into the work, forget the clock, then the next thing you know, you've studied and worked for one to two hours. Remember that

LEARNING FROM MISTAKES + PERSISTENCE = SUCCESS!

Program Marketable Skills:

Marketable Skill (MS) 1: Students Demonstrate Logical and Analytical Skills.

MS 2: Students Demonstrate Problem-Solving Using Analytic and Algebraic Methods.

MS 3: Students Use Technology in Problem-Solving and Presentation.

MS 4: Students Use Communication and Pedagogical Skills.

Classroom Conduct It is important to conduct yourself in a college classroom so that everyone can benefit from good communication between instructor and students. My goal is to create an environment in which everyone can do their best work, learn, and make the best grades possible.

I think you will find that I am a very friendly, sympathetic, and generous instructor as

long as you are sincerely working to succeed in this course and certain guidelines for classroom behavior are followed to allow a sanctity of study for your fellow students. Habits such as holding conversations during class, or being engaged in activities not related to this course such as working on a different course or reading your cell-phone will work against the goals of this course and cause you to be counted absent and you will lose Class Study Grade credit. Also engaging with electronic communication devices of any kind during class or coming into class more than 5 minutes late or leaving early before class is dismissed circumvent the goals of this course and cause you to lose credit. My sympathy and generosity will quickly evaporate if I find that you are working against the goals of the course or that you are simply trying to get a good grade without learning or without honestly doing the required work. I want you to have every opportunity to learn and succeed in this course.

Please be aware of the rules for Academic Honesty that you will find in the Sul Ross Student Handbook. Use commonsense to think of anything else that will allow you to learn and do the best work that you can in this class, and for me to better help you do your best work. Remember that being registered for this course does not allow you to behave in any manner you wish during class. You must keep other people in mind. It is within university policy for me to send a student out of this class on a temporary or permanent basis if disruptions or interruptions like the types listed above persist.

Statement Regarding Generative Artificial Intelligence (AI)

This course assumes that work submitted for a grade by students – all process work, drafts, brainstorming artifacts, final works – will be generated by the students themselves, working individually or in groups as directed by class assignment instructions. This policy indicates the following constitute violations of academic honesty: a student has another person/entity do the work of any substantive portion of a graded assignment for them, which includes purchasing work from a company, hiring a person or company to complete an assignment or exam, and/or using generative AI tools (such as ChatGPT).

The University does not recommend or endorse any specific AI tools or resources. Students should be aware that many generative AI tools (e.g., ChatGPT, Google Gemini, Microsoft Copilot) store user input and may use this data to train future models. For this reason, students should never upload or share personal, confidential, or identifiable information—such as names, ID numbers, health data, or assignment submissions containing such details—into any generative AI platform. When using AI tools, students should verify whether the tool complies with student privacy standards as indicated by the University. Faculty may recommend specific tools that better align with institutional data privacy policies, but ultimate responsibility for data protection rests with users. Students are encouraged to use faculty-recommended platforms when engaging in coursework involving generative AI. The University is not liable for any adverse experience or impact when students interact with these tools.

Academic Integrity

Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. Students should submit work that is their own and avoid the temptation to engage in behaviors that violate academic integrity, such as turning in work as original that was used in whole or part for another course and/or professor; turning in another person's work as one's own; copying from professional works or internet

sites without citation; collaborating on a course assignment, examination, or quiz when collaboration is forbidden. Students should also avoid using open AI sources unless permission is expressly given for an assignment or course. Violations of academic integrity can result in failing assignments, failing a class, and/or more serious university consequences. These behaviors also erode the value of college degrees and higher education overall.

ADA Statement

SRSU Accessibility Services. Sul Ross State University (SRSU) is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. To help protect confidentiality, students seeking accessibility/accommodation(s) services must submit the Accommodation Request Form located on our website. Students are welcome to call the Office of Accessibility Services at 432-837-8203 or stop by Ferguson Hall Room 112 if they have any additional questions regarding the process. Our mailing address is PO Box C-122; Alpine, TX; 79832.

Student Responsibilities Statement

All full-time and part-time students are responsible for familiarizing themselves with the Student Handbook and the Undergraduate & Graduate Catalog and for abiding by the University rules and regulations. Additionally, students are responsible for checking their Sul Ross email as an official form of communication from the university.

Every student is expected to obey all federal, state and local laws and is expected to familiarize themselves with the requirements of such laws.

For Core Curriculum Classes 2026-2027:

Student Learning Objectives for Critical Thinking & Communication skills:

Critical Thinking: Students will develop critical thinking skills to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information.

Communication: Students will develop communication skills to include effective development, interpretation and expression of ideas through written, oral, and visual communication.

SRSU Distance Education Statement

Students enrolled in distance education courses have equal access to the university's academic support services, such as library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website.

Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires a secure login. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in

web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website. Directions for filing a student complaint are located in the student handbook.

Counseling

Sul Ross has partnered with TimelyCare where all SR students will have access to nine free counseling sessions. You can learn more about this 24/7/365 support by visiting [Timelycare/SRSU](https://www.timelycare.com/srsu). The SR Counseling and Accessibility Services office will continue to offer in-person counseling in Ferguson Hall room 112 (Alpine campus), and telehealth Zoom sessions for remote students and RGC students.

Classroom Climate of Respect

Importantly, this class will foster free expression, critical investigation, and the open discussion of ideas. This means that all of us must help create and sustain an atmosphere of tolerance, civility, and respect for the viewpoints of others. Similarly, we must all learn how to probe, oppose and disagree without resorting to tactics of intimidation, harassment, or personal attack. No one is entitled to harass, belittle, or discriminate against another on the basis of race, religion, ethnicity, age, gender, national origin, or sexual preference. Still we will not be silenced by the difficulty of fruitfully discussing politically sensitive issues.

Supportive Statement

I aim to create a learning environment for my students that supports various perspectives and experiences. I understand that the recent pandemic, economic disparity, and health concerns, or even unexpected life events may impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. I do this to demonstrate my commitment to you and to the mission of Sul Ross State University to create a supportive environment and care for the whole student as part of the Sul Ross Familia. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you.

The Lobo Den Tutoring Center offers FREE tutoring support to help you excel in your courses. Whether you need assistance in Writing, Math, Science, or other subjects, we're here to help!

Important Information:

Drop-in and Scheduled Appointments: Flexible options to fit your needs.

Hours of Operation: Monday–Friday, 8:00 AM – 5:00 PM.

Workshops: Attend our regularly hosted academic workshops on STEM topics and professional development, often in collaboration with specialized faculty.

Location: BWML Room 128.

Contact Us: For more information or to book an appointment, email tutoring@sulross.edu or call (432) 837-8726.

**Important University Dates
(16-week term)**

Mon, Aug. 24	First day of classes, first day of late registration
	and schedule changes
Thu, Aug. 27	Last day for late registration and schedule changes
Mon, Sep. 7	Labor Day Holiday, No Classes
Wed, Sep. 9	12th Class Day: Last Day to Drop a Class Without
	Creating an Academic Record for 16- week Courses
Mon, Oct. 19	Freshman Mid-Term Grades are Due
Fri, Nov. 6	Last day to drop a class with a grade of "W" for 16-week term
	by 4 pm in University Registrar's Office
Wed-Fri, Nov. 25-27	Thanksgiving Holidays, No Classes
Wed, Dec. 2	Last Day of Class before Finals
Thu, Dec. 3	Dead Day, No Classes
Fri, Mon-Wed: Dec. 4, 7-9	Final Exams, End of Term

Tentative Class Schedule-Math 1314, Sec. 002 Fall 2026		
X = no class	Tue	Thu
Aug. 25, 27	First Day of Class Sets of Real Numbers Ordering rational numbers	Irrational Numbers Order of Operations Polynomials
Sep. 1, 3	Polynomial Arithmetic Factoring Polynomials	Polynomial Arithmetic Factoring Polynomials
Sep. 8, 10	Linear Equations Absolute Value Equations	Linear Functions, Graphs
Sep. 15, 17	Slopes of Linear Functions	Parallel, Perpendicular Lines Linear Applications
Sep. 22, 24	Review Test 1	Test 1
Sep. 29, Oct. 1	Polynomial Equations Properties of Radicals	Rational Exponents
Oct. 6, 8	Inequalities Absolute Value Inequalities	Functions Graphs, Domains Multi-Part Functions
Oct. 13, 15	Complex Numbers	Quadratic Equations
Oct. 20, 22	Quadratic Equations	Quadratic Functions
Oct. 27, 29	Review for Test 2	Test 2
Nov. 3, 5	Composition of Functions Inverse Functions	Inverse Functions Exponential Functions
Nov. 10, 12	Exponential Functions Logarithmic Functions	Properties of Logs Exp, Log Equations
Nov. 17, 19	Exp, Log Equations	Applications of Exp, Log Functions
Nov. 24	Applications of Exp, Log Functions	X - Thanksgiving Holiday Nov. 25-27
Dec. 1	Review for Test 3 Last Class Day for Tu-Th classes (16-week term)	X - Dead Day Thurs, Dec. 3 Finals Fri, Dec. 4 Mon-Wed, Dec. 7-9
Mon., Dec. 7	Mon., Dec. 7, Test 3 (Final Exam) Test 3: 12:30-2:30p	