

Math 1314 Syllabus
College Algebra
Fall 2020 Sul Ross State University

Secs. 005: TR 9:30 – 10:45 pm in Briscoe Administrative Room 304
Instructor: Marina Kimball
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Office Hours available by appointment ONLY

Course Description: The prerequisite is Math 0301 or a satisfactory score on a Mathematics Placement Exam. This is a university-level algebra course for students who plan to take calculus. Topics include linear and quadratic equations and functions, inequalities, graphs and zeros of functions, complex numbers, exponential and logarithmic functions, conic sections, matrices and vectors.

Student Learning Objectives Successful students will demonstrate correct understanding and knowledge of the algebra topics including but not limited to those of the preceding paragraph through use of correct terminology, listing, identifying, and labeling. Particular emphasis will be placed on the order of operations and the algebra and language of functions. Students will translate, extend, synthesize, and apply concepts and problem-solving methods to different problem-solving situations. Students will demonstrate correct knowledge of the difference between numbers (perhaps in the context of another mathematical object such as a function or algebraic expression) 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. Students will express their solutions clearly in writing using complete sentences when appropriate.

Required Materials: Paul Sisson . [College Algebra: A Concise Approach](#)
ISBNs:

- 9781941552773 – this will be a software access code + eBook
- 9781941552490 – this will be a software access code + eBook + the physical textbook

To request temporary **access within the first two weeks of the course:**

- Go to learn.hawkeslearning.com
- Click Create an Account
- Select Request Temporary Access.
- Upon completing the simple 4-step account creation process, you will receive their temporary code good for 20 days of free access.

If you spend more than 5 minutes trying to figure out how to do something on Hawkes Learning website , contact Hawkes Learning :

843.571.2825 Monday – Friday from 8:00 am-10pm EST
hawkeslearning.com/chat - 24 hours a day, 7 days a week
support@hawkeslearning.com
www.hawkeslearning.com/support

Scientific Calculator: There will be some need of a scientific calculator, which has buttons with denotations such as yx , ab , $^$, ex , LN, LOG, but use of a calculator will not be a large part of this course. A calculator may be used to check arithmetical calculations throughout 1 the semester

Grading and Assignments

The **Daily Grade (DG)** worth **30%** of your final grade will consist of **Class Study Grades (CSG)** worth **15%** and a Quiz grade worth **15%**. Students should maintain a homework notebook for all homework assignments, class notes, and in-class examples. On class days in which there is no in-class quiz or test, students will receive a CSG based on attendance and class participation, which includes taking notes of class examples and other concepts and definitions arising from the class lecture and people's questions. In this way, students will receive a DG in every class except test days. These homework assignments will be the basis for the 3 in-class tests. Students may use their homework notebook during the in-class quizzes, but not the in-class tests.

Tests (70%) Each of the **3 tests** will count in the test average. Students may only use one page of pre-written notes for each test in addition to writing/erasing implements and calculator.

You must wear a suitable mask/face covering while on campus (including lectures & laboratories). You will be asked to leave the classroom if you come to class without a suitable mask/face covering.

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 a classroom environment in which everyone can do their best work, learn, and make the best grades possible. Class habits such as holding conversations during class lecture, or being engaged in activities not related to this course such as working on a different course or reading a newspaper will work against the goal of this course and cause you to be counted absent and you will lose Daily 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. Please be aware of the rules for Academic Honesty that you will find in the Sul Ross Student Handbook and building codes prohibiting food, beverages, tobacco (smokeless or otherwise) in the classroom

Equal Access The university is committed to equal access in compliance with the Americans with Disabilities Act of 1990 (ADA) and section 504 of the Rehabilitation Act of 1973. If you have questions regarding accessibility, please consult with the ADA coordinator, Mary Schwartze, Counselor in the Counseling and Accessibility Services Office in Ferguson Hall Rm. 112, and feel free to discuss this with me in private. The mailing address is Accessibility Services, Box C-122, Sul Ross State University, Alpine, Texas 79832. The telephone number is (432) 837-8691; FAX: (432) 837-8363. E-mail: mschwartze@sulross.edu.

Tentative Schedule Subject to Change

	Tuesday	Thursday
Week 1	Properties of Exponents, Radicals	Polynomials and Factoring
Week 2		Linear Equations
Week 3	Linear Applications	Linear Applications
Week 4	Quadratic Equations	Quadratic Equations
Week 5	Functions	Linear Functions
Week 6	Review Test 1	Test 1
Week 7	System of Equations	System of Equations
Week 8	Functions	Quadratic Functions
Week 9	Composition	Inverses
Week 10	Review Test 2	Test 2
Week 11	Inverses, Exponential Functions	
Week 12	Properties of Logarithms	Properties of Logarithms
Week 13	Exponential, Log Equations	Applications of Exponentials, Logs
Week 14	Applications of Exponentials, Logs	
Week 15	Applications of Exponentials, Logs	Review Test 3
Week 16	Test 3	