

Sul Ross State University
Course Syllabus
MATH 1316: Trigonometry
Summer 2026

SECTION :Math 1316 MTWRF 8-9:45 am

CLASSROOM: ACR 204

INSTRUCTOR: Marina. Kimball

INSTRUCTOR'S Office: FH 202

INSTRUCTOR'S PHONE #: 432-538-2887- text only

INSTRUCTOR'S E-MAIL: marina.kimball@sulross.edu

INSTRUCTOR'S OFFICE HOURS: MTWF 12-1 pm Or by appointment

Prerequisites: Math 1314 or equivalent

Required Textbooks: *Trigonometry: A Unit Circle Approach, 12th Edition* Sullivan, M.,

Equipment Needed: paper, pencils, scientific calculator

Course Content: The following topics shall be covered in the course and are subject to change.

- Chapter 1: Graphs and Functions-brief review
- Chapter 2: Trigonometric Functions all
- Chapter 3: Analytic Trigonometry all
- Chapter 4: Applications of Trigonometric Functions all
- Chapter 5: Polar Coordinates and Vectors parts
- Chapter 6: Analytic Geometry parts
- Chapter 7: Exponential and Logarithmic Functions parts

Mathematics Program Learning Objectives: The graduating student should be able to

- Apply knowledge of basic mathematics principles.
- Identify and provide valid proofs or solutions for theorems or problems.
- Recognize and dispute invalid mathematical statements by using counter-examples.

Grading Scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, 59-Below F

Grading Policy: The grade weighting will be as follows:

Homework/Quizzes/In Class Work: 40%

Exams : 30%

Final Exam: 30%

For each class period, you will be expected to read your textbook before the material we will be covering that day. After a lesson is gone through for the day, which can include in class assignments, quizzes over the actual material will be given.

Homework will be assigned periodically throughout the semester. Homework assignments must be complete and will be turned in on Tuesdays during class. Not all problems will be graded for content, but the assignment grade is contingent on completeness. If you use outside references, make sure to properly source the material. Just writing solutions will not give you credit. You must show your work. Copying answers out of the textbook is plagiarism and will be prosecuted as such.

There will be three exams in addition to the final exam. All exams will be closed notes, closed book, and no calculators allowed unless stated otherwise.

General Policies: Class will start at the designated time and run for 1 hour and 15 minutes with no breaks. You are expected to be on time, attend every class meeting, stay for the duration of class time and come to learn. Do not schedule any appointments that will conflict with class time; if you have done so then I need documentation of the appointments.

You are expected to bring all necessary materials, take notes, and participate. You are expected to turn-off and not access any electronic, non-task oriented device such as cell/smart phones/pads and i-pods. The exception to this is if your textbook is an electronic copy, but clear this with me first. A cell phone cannot be used as a calculator. Devices for recording the lecture are permitted; either audio or video.

If you are causing others around you to miss lecture material then you will be asked to leave.

Any personal business must be conducted during office hours or by appointment. I will only discuss grades and attendance issues in my office. Classroom time is for the entire class.

Attendance Policy: Students are expected to attend every class. If class must be missed, the student is expected to get the notes from a classmate, and to check with me or on Blackboard for announcements and updated assignments.

Students are expected to arrive to class on time. If a student is perpetually late, they will be asked to not attend class unless they arrive on time. If tardiness becomes a problem for the class as a whole, people who arrive late will not be permitted to enter the class. If this stricter policy becomes necessary, there will be an announcement made in class.

It is policy of the university to drop a student with a grade of "F" if 9 hours or more of class are missed. For this course that would be 6 or more class sessions missed.

Cell Phone Policy: Cell phones are not allowed in class. They can not be used as calculators on any assignment. Any phone ringing during class will be taken up until the end of class. If a phone rings during a test or quiz, the student will forfeit their right to finish said test or quiz.

SRSU Disability Services: ADA (Americans with Disabilities Act) Sul Ross State University is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is the student's responsibility to initiate a request for accessibility services. Students seeking accessibility services must contact Mary Schwartz-Grisham, M. Ed., LPC., in Counseling and Accessibility Services, Ferguson Hall, Room 112. The mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas. Telephone: 432-837-8691. E-mail: mschwartz@sulross.edu .

Important Dates:

- January 13 First Day of Classes
- January 16 Last Day for Late Registration and Schedule Changes
- January 29 12th Class Day
- March 9-13 Spring Break
- April 3 Last Day to Withdrawal from University or Drop Classes with a Grade of "W" (by 4 pm)
- April 10 Good Friday holiday
- April 29 Last Day of Classes
- April 30 Dead Day
- May 1, 4-6 Final Exams
- May 8 Commencement

Tentative Schedule-Subject to Change

	Tuesday		Thursday
Jan 13	Intro Chapter 1 review	Jan 15	Chapter 1 Review
Jan 20	Chapter 1 Review	Jan 22	Angles and their measure
Jan 27	Functions	Jan 29	Properties of Trig Functions
Feb 3	Graphs of Trig Functions	Feb 5	Phase Shifts
Feb 10	Review/Catch Up	Feb 12	Exam 1
Feb 17	Inverse Trig Functions	Feb 19	Inverse Trig Functions
Feb 24	Trig Equations and Identities	Feb 26	Trig Identities
Mar 2	Trig Formulas	Mar 6	Trig Formulas
Mar 16	Review/Catch Up	Mar 18	Exam 2
Mar 23	Right Angle Trig	Mar 25	Right Angle Trig
Mar 30	Law of Sines	Apr 1	Law of Cosines
Apr 6	Polar Coordinates	Apr 8	Polar Coordinates
Apr 13	Review/Catch Up	Apr 15	Exam 3
Apr 20	Conics	Apr 22	Conics
Apr 27	Review/Catch Up	Apr 29	Review/Catch Up
May 5	Final Exam (Monday)		