

Date	Topics	Due Dates Assignments are due by 11 pm on the indicated day. Quizzes are due at the end of class.
2-Jun	Lesson 1	Quiz 0
3-Jun	Lesson 2, Lesson 3	Assignment 1, Quiz 1
4-Jun	Lesson 4	Assignments 2 and 3, Quiz 2
5-Jun	Lesson 5, Lesson 6	Assignment 4, Quiz 3
9-Jun	Lesson 7	Assignments 5 and 6, Quiz 4
10-Jun	Exam 1	Assignment 7
11-Jun	Lesson 8	
12-Jun	Lesson 9	Assignment 8, Quiz 5
16-Jun	Lesson 10	Assignment 9, Quiz 6
17-Jun	Lesson 11	Assignment 10, Quiz 7
18-Jun	Lesson 12	Assignment 11, Quiz 8
19-Jun	JUNETEENTH (campus closed)	Assignment 12
23-Jun	Exam 2	
24-Jun	Lesson 13	
25-Jun	Lesson 14, Lesson 15	Assignment 13, Quiz 9
26-Jun	Lesson 16, Lesson 17	Assignments 14 and 15, Quiz 10
30-Jun	Lesson 18, Lesson 19	Assignments 16 and 17, Quiz 11
1-Jul	Lesson 20	Assignments 18 and 19, Quiz 12
2-Jul	FINAL EXAM	Assignment 20

# MATH 1316 Plane Trigonometry, Summer 2024 Syllabus

**Instructor:** Jason Groves  
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**Office Hours:** Virtual meetings available by appointment.

**Prerequisites:** two years of high school algebra or successful completion of MATH 1314

**Materials:** We will be using the text Precalculus 2nd ed. by Abramson, et al. via OpenStax. This text is free and available via a link on Blackboard. Students will also require the following materials:

- **Calculator:** a scientific calculator (or a calculator that can perform trigonometry calculations) is a requirement. A graphing calculator is helpful, but is not required.
- **Gradescope:** this can be downloaded as an app, as well as accessed from a web browser. This is the way you will be turning in your assignments, and how your feedback will be made available to you.

*This course partially satisfies a Core Curriculum Requirement: Mathematics Foundational Component Area (020)*

## Core Curriculum Objectives:

- Communications skills - to include effective written, oral and visual communication
- Critical thinking skills - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- Empirical and quantitative competency skills - to manipulate and analyze numerical data or observable facts resulting in informed conclusions.

**Student Learning Outcomes:** Upon completion of this course and receiving a passing grade, the student will be able to:

1. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
2. Graph trigonometric functions and their transformations.
3. Prove trigonometric identities.
4. Solve trigonometric equations.
5. Solve right and oblique triangles.
6. Use the concepts of trigonometry to solve applications.

IT IS THE RESPONSIBILITY OF THE STUDENT TO BE FAMILIAR WITH SOUTH PLAINS COLLEGE POLICIES. BELOW ARE ITEMS SPECIFIC TO THIS COURSE

**Assessment:** Grading will be done according to the standard 10 percent scale (i.e. 100% - 90% is an A, etc.) with assignments weighted according to the following:

Assignments	25%
Tests (each)	25%
Final Exam	25%

**Pedagogy:** This class is conducted in a “flipped” model. That is, students are expected to introduce themselves to the material and begin working on the material *before* the class meeting. Class time will be spent discussing more difficult parts of the material, answering student questions, and working on parts of the homework as a class or small groups.

**Class Attendance:** Students are expected to be in class and prepared for the day’s lesson. Students are responsible for the material covered in this course, whether or not they are in class for any reason. A student missing more than 4 individual class days without continuing notification may be dropped from the course. Please note that state guidelines only allow for 6 withdrawn courses total.

*Assignments (including exams) cannot be submitted late, nor made up in the case of an absence except at my discretion*

**Assignments:** Assignments over the learning material will be turned in almost daily to Gradescope. They should consist of any notes taken over the material (from any source!) and fully worked problems from the assignments given over the material. Additional study helps/habits such as mind-maps and written summaries can (and should!) be included within these assignments. They will be graded on both the quantity and quality of the content submitted. Quizzes will be assigned at the end of class on most days and will be calculated as part of the Assignments grade.

**Exams:** There will be two midterm exams given during this course. During exams cell phones, laptops, and other such objects should be turned off and put away. There is no tolerance for violations. Students who break these rules will be asked to leave the exam (counted as an absence) and receive a zero for their exam grade. *Makeup exams are not given.*

**Final Exam:** The final exam is comprehensive, and a required part of the course. Failure to take the final exam results in an automatic F. As the final exam is comprehensive, your course grade will not be lower than your final exam score. The Final Exam will be held in this classroom on **Wednesday, July 2, at 6 pm**

**Extra Credit:** Extra credit is not offered in this course. Occasionally bonus problems may be assigned on exams.