

## Course Information

Semester & Year: Fall 2019
Course ID & Section #: MATH-25-E7289
Instructor's name: Jackson
Day/Time: TTh 6:05-8:10
Location: SC 214
Number of units: 4 nits

## Instructor Contact Information

Office location: SC216L
Office hours: TBA
Phone number: 707 476 4219
Email address: steve-jackson@redwoods.edu

## Required Materials

Textbook Title: Algebra and Trigonometry
Edition: Seventh
Author: Sullivan
ISBN: 0-13-143073-4
Other requirements: materials, equipment or technology skills Graphing Calculator

## Catalog Description

A study of trigonometric functions, radian measure, solution of right triangles, graphs of the trigonometric functions, inverse trigonometric functions, trigonometric identities and equations, laws of sines and cosines, solution of oblique triangles, polar coordinates, complex numbers in trigonometric form, De Moivre's theorem, and conic sections.

## Course Student Learning Outcomes *(from course outline of record)*

1. Analyze and solve problems involving trigonometric functions or analytic geometry.
2. Apply the mathematics of trigonometric functions and analytic geometry to real-world problems and applications.
3. Use graphing technology to visualize trigonometric and polar curves, explore mathematical concepts, and verify results.
4. Write solutions to mathematical exercises in trigonometry and analytic geometry using sound mathematical reasoning with appropriate use of numerical, graphical, and symbolic representations.

## Evaluation & Grading Policy

See next page

## Prerequisites/co-requisites/ recommended preparation

[If applicable]

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You will need graph paper for the course. Many students choose to use engineering graph paper.

- 1.) A ruler.
- 2.) A protractor.
- 3.) A graphing calculator.
- 4.) A notebook.
- 5.) Pencils
- 6.) ?

**Attendance Policy:** Do not miss class. A student may be dropped from the course if they miss the time equal to two weeks of class. That is equal to 6 days of class. Faculty drops can occur from the fourth through tenth week of class.

**Homework:** There will be a combination of daily homework and “written homework”. The daily homework is to be kept in a journal that may be collected from time to time. Please endeavor to keep your homework journal current. Not doing the daily homework is effectively non-participation in the course. Non-participation in the class can lead to a faculty withdrawal. The “written homework” will be collected, graded, and returned.

**Exams and Quizzes:** We will have the usual kinds of exams and quizzes throughout the semester. Do not miss these! Some of these will be of the take-home variety. Exercise academic integrity. All exam and quiz points will be weighted equally.

**Grading:**

Exams/Quizzes 80%

Homework 20%

**Course Grade Assignment:**

90-100%      A

80-89% B

70-79% C

60-69% D

F otherwise.

For the 7th edition of Sullivan, the textbook sections that we will cover are:

6.1-8, (skip sinusoidal curve-fitting)

7.1-8

8.1-5

9.1-3

10.1-5

For the 8th edition of Sullivan:

7.1-8,

8.1-8

9.1-5

10.1-3

11.1-5

**The information contained in this syllabus is subject to change depending on class circumstances.**

***College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.***