## Syllabus for College Trigonometry – Eureka Campus

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| **Semester & Year** | Spring 2017 |
| **Course ID and Section #** | MATH-25-E1099 |
| **Instructor's Name** | Steve Jackson |
| **Day/Time** | MTTHF 10:05-11:10AM |
| **Location** | SC 204 |
| **Number of Credits/Units** | 4 Credits |

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| **Contact Information** | *Office location* | SC 216L |
| | *Office hours* | TBA |
| | *Phone number* | 476-4219 |
| | *Email address* | Steve-jackson@redwoods.edu |
| **Textbook Information** | *Title & Edition* | Algebra & Trigonometry Seventh Edition |
| | *Author* | Sullivan |
| | *ISBN* | 0-13-143073-4 |

**Course 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.
Special Notes or Advisories (e.g.Field Trips Required, Prior Admission to Special Program Required, etc.): A graphing calculator is required.

**Student Learning Outcomes**

1. Analyze and solve problems involving trigonometric functions oranalytic 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.

**Special Accommodations**

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities.  Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made.  No last-minute arrangements or post-test adjustments will be made.  If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS at 707-476-4280.

**Academic Support**

Academic support is available at Counseling and Advising and includes academic advising and educational planning, Academic Support Center for tutoring and proctored tests, and Extended Opportunity Programs & Services, for eligible students, with advising, assistance, tutoring, and more.

**Academic Honesty**

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services, and scroll to AP 5500.  Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

**Disruptive Classroom Behavior**

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process a disruptive student may be temporarily removed from class. In addition, he or she may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services and scroll to AP 5500.
Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

**Emergency Procedures for the <u>Eureka</u> campus:**

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room).  The Eureka **campus emergency map** is available at: (http://www.redwoods.edu/aboutcr/Eureka-Map; choose the evacuation map option).  For more information on Public Safety, go to http://www.redwoods.edu/publicsafety.  In an emergency that requires an evacuation of the building:
- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building:
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

  **RAVE** – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to https://www.GetRave.com/login/Redwoods and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email.  Please use your CR email address as your primary Registration Email. Your CR email address ends with "redwoods.edu." Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.
  1.) You will need graph paper for the course. Many students choose to use engineering graph

       paper.
2.) A ruler.
3.) A protractor.
4.) A calculator.
5.) A notebook.
6.) Pencils
7.) ?

**Prerequisite:** Math-120 (Intermediate Algebra) or equivalent.

**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:**

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| Exams/Quizzes | 80% |
| Homework | 20% |

Course Grade Assignment:

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| 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.*