Syllabus for [*Math 25*] – Eureka Campus		
Semester & Year	Spring 2016	
Course ID and Section #	Math-25-E9126	
Instructor's Name	Brad Morin	
Day/Time	MTThF 10:05 pm - 11:10 pm	
Location	SC204	
Number of Credits/Units	4	
Contact Information	*Office location*	None
	Office hours	By Appointment
	Phone number	none
	Email address	brad-morin@redwoods.edu
Textbook Information	*Title & Edition*	**Algebra & Trigonometry, 8th Edition**
	Author	Sullivan
	ISBN	ISBN-10: 0132329034

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. Note: A graphing calculator is required.

Student Learning Outcomes

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.**

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: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf 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: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf
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 Eureka 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/Eureka/campus-maps/EurekaMap_emergency.pdf). For more information on Public Safety, go to http://redwoods.edu/safety/ 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.

Textbook: **Algebra & Trigonometry, 8th Edition by Sullivan.**

A few text books are available in the library to check out for the 10 week term:
Amazon links to finding a good price on the textbook:

Hardcover 8th Edition

Course Equipment: TI-83 Calculator or TI-84 (TI-89 won't work well for our class).
Bring text and calculator each day.

Class Time and Lectures:

You are welcome to come early and ask question on homework before class starts.
A lecture will follow, interspersed with individual and group problem solving practice.

Exams and Quizzes:

Each class will end with a quiz, except on exam days.
This will be no more that copying a homework problem you have done.
Exams will generally be given at the end of each chapter.

Basis for Grade:

25% Quizzes/Homework
50% Semester Exams.
25% Final Exam

Grading:

A 93% - 100% A- 90% - 92%
B+ 87% - 89% B 83% - 86% B- 80% - 82%
C+ 77% - 79% C 70% - 76%
D 60% - 69%
F Below 60%

Math 25 Homework/Quizzes & Exams Morin
Spring Semester 2016

The dates given below are the days the sections are covered in class. The suggested homework should then be done and brought to class in preparation for the quiz the next day. The quiz is one point, all or nothing. Making up a missed quiz will be possible, but will usually be much more work than doing the homework in the first place. More on that later.

Makeup credit can be obtained by doing Alcumus problems on the Art of Problem Solving

1 quiz makeup for completing the module — Geometry / Right-Triangle Trigonometry.

1 quiz makeup for completing the module — Geometry / Unit Circle Trigonometry.

Sign up is free. Problems tend to be challenging and interesting. There is much to be learned and reinforced here. Go to:
http://www.artofproblemsolving.com/
Get registered.
Log on.
Select the menu option Resources
Select Alcumus
You might have to select Play
Set, or Change Focus to Geometry
Go to the bottom and select Right-Triangle Trigonometry or Unit Circle Trigonometry
Set Focus
Start doing problems until you have done all the problems in that topic.

Date		Section	Assigned Exercises — asterisk exercises won't be on quizzes
Jan	19	7.1	1,2,3,6,7,8,11-69 odd, 119, 120
	21	7.1	4,5 71-115 odd
	22	7.2	1-36 all
	26	7.2	37-65 odd
	27	7.3	1-4 all, 5-49 odd, 55-59 odd, 65,67
	29	7.4	1-10 all, 11-87 odd
	30	7.4	89-115 odd
		7.5	1-8 all, 9-35 odd
Feb	1	7.5	37-87 odd, 91
*	2	7.6	3-8,9-65 odd
	4	7.6	67-85 odd, 89
		7.7	2-10 all, 11-15 odd
	5	7.7	17-49 odd
	8	7.8	1-25 odd

9	Chapter 7 Review	1-77 odd, 79-88 all, 93
11	**Exam 1**	
	Homework — Rework exam a second time at home for next quiz.	
12	**CR Holiday (Lincoln's BD)**	
15	**CR Holiday (Washington's Birthday)**	
16	8.1	1-8 all, 9-67 odd, *75
18	8.2	1-8 all, 9-69 odd
19	8.3	1-8 all, 9-39 odd