Syllabus for: Math 25 – College Trigonometry	
Semester & Year:	Spring 2015
Course ID and Section Number:	Math-25-E7023
Number of Credits/Units:	4
Day/Time: **Location:**	M W 6:05 – 8:10 pm SC 204
Instructor's Name:	Jon Pace
Contact Information:	Office hours: Thursday 2:30 – 4:30 & after class Email: jonothan-pace@redwoods.edu or via our MyCR

Course Description (catalog description as described in course outline):
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.

Student Learning Outcomes (as described in course outline) :

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.

Academic Misconduct: Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on

exams will receive an "F" in the course. The student code of conduct is available on the College of the Redwoods website at: http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.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 homepage.
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.

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MATH-25-E7023 Trigonometry – Spring 2015

Text Book

Recommended: Algebra and Trigonometry (8th edition), by Sullivan, published by Prentice Hall (ISBN #0132329034)

Will work: Algebra and Trigonometry (7th edition), by Sullivan, published by Prentice Hall (ISBN #0131430734)

I will be assigning problems out of the 8th edition. There is a complete mapping between 8th edition and 7th edition on the Math 25 course page.

A limited number of textbooks are available at the library. Go to the main desk and ask to check out a copy (either 7th or 8th edition) from the library for the entire semester. There are also 2-hour checkouts of the textbook available at the main desk of the library.

Recommended

1. Math Lab
2. I would recommend forming study groups. They are a great way to study for exams and do homework problems.
3. The Math 25 course page is located at: http://msenux.redwoods.edu/math/courses/math25.php

Classroom Environment

It is essential to our class that both students and teacher behave in a manner that will provide a comfortable learning atmosphere. Be respectful of one another. You should not hesitate to ask questions nor feel embarrassed to ask a question or ask for help. **Turn off cell phones before entering the classroom**. If your cell phone goes off during class, you will have to apologize to the class by bringing in treats for everyone the next class period.

Exams

There will be 4 exams comprising 40% of the course grade and a cumulative final exam worth 15% of your course grade. I will notify you at least one week in advance as to the date of each exam (see course schedule). Before each exam, I will post a practice exam on MyCr. All exams need to be taken in class on the day of the exam or in the ASC with proper authorization.

Final Exam: Monday, May 11th from 6:05 – 8:10 PM

Homework

Homework will be assigned each class period and each section of homework is worth 10 points. The homework for each section will be posted on MyCr. **Homework is due at the beginning of class on Monday and each section should be turned in separately.** The only way to learn math is to practice and homework is the practice. Homework will be graded based on completeness, neatness, the following of directions, and accuracy. Make sure you read and comply with the **GUIDELINES FOR HOMEWORK** at the end of this syllabus. Sloppy or unreadable homework will be returned with a grade of zero. I understand that life happens leaving you unable to turn in a given homework assignment; therefore, **the 3 lowest homework scores will be dropped.**

OptiMath

In addition, each section will have a corresponding practice assignment in OptiMath. These are not graded assignments but the quizzes will mirror these practice assignments closely. You should immediately log into and familiarize yourself with OptiMath.

Quizzes

I may schedule an in class quiz at any time. You will be notified the class period prior.

There will be a quiz every week in Optimath. The quiz will open at the beginning of class on Tuesday and close before the beginning of class the following Tuesday. You may attempt the quizzes as many times as you want while they are open.

Grades

Your final grade will be determined as follows:

Homework:	25%
Quizzes:	20%
Exams:	40%
Final Exam:	15%

The grade breakdown is as follows:

A	93 - 100%	C+	77 - 79%
A-	90 - 92%	C	70 - 76%
B+	87 - 89%	D	60 - 69%
B	83 - 86%	F	0 - 59%
B-	80 - 82%		

Guidelines for Homework

Please adhere to the following guidelines before turning in your homework assignments:

1. Staple all homework in the **upper left hand corner**.
2. Label your homework with your name and section number in the upper right hand corner.
3. Write your problems in order down the page. You may use both sides of the paper.
4. Box your answers to each exercise.
5. You must use pencil when doing your homework, and you must write legibly and neatly.
6. Be sure to show your work when solving a problem. A problem with just the answer and no work shown will not receive any points.
7. When creating a graph, you must use graph paper and a ruler or straight edge. When graphing, make sure that you label your axes and scaling or points will be taken off.
8. Remove all "frillies" from the side of the page if you tear it out of a notebook.

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Math 25 - E7023, Spring 2015
1st Half Schedule

Date	Sections (8th edition)	Homework Due Date
Week #1		
Jan. 19th	**No Class**	Monday, Jan. 26th
Jan. 21st	Intro, Section 6.1 (7.1)	
Week #2		
Jan. 26th	Sections 6.2, 6.3-8.1 (7.2, 7.3)	Monday, Feb. 2nd
Jan. 28th	Sections 6.3-8.1, 6.4 (7.4, 7.5)	
Week #3		
Feb. 2nd	Section 6.5 (7.5)	Monday, Feb. 9th
Feb. 4th	Sections 6.6, 6.8 (7.6, 7.8) Exam #1 Review	
Week #4		
Feb. 9th	**Exam #1,** Section 8.5 (9.5)	Monday, Feb. 16th
Feb. 11th	Sections 6.7, 7.1 (7.7, 8.1)	
Week #5		
Feb. 16th	**No Class**	

Date	Topics (8^{th} edition)	Homework Due Date
Feb. 18^{th}	Sections 7.2, 8.1 (8.2, 9.1)	Monday, Feb. 23^{rd}
	Week #6	
Feb. 23^{rd}	Section 8.1 (9.1) Exam #2 Review	Monday, Mar. 2^{nd}
Feb. 25^{th}	**Exam #2,** Section 7.3	
	Week #7	
Mar. 2^{nd}	Sections 7.3, 7.4 (8.3, 8.4)	Monday, Mar. 9^{th}
Mar. 4^{th}	Sections 7.4, 7.5 (8.4, 8.5)	
	Week #8	
Mar. 9^{th}	Sections 7.6, 7.7 (8.6, 8.7)	Monday, Mar. 23^{rd}
Mar. 11^{th}	Sections 7.7, 7.8 (8.7, 8.8)	
Spring Break 3/16 – 3/20		

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Math 25 - E7023, Spring 2015
2nd Half Schedule

Date	Sections Covered (8th edition)	Homework Due Date
	Week #9	
Mar. 23rd	Sections 8.2, 8.3 (9.2, 9.3)	Monday, Mar. 30th
Mar. 25th	Section 8.4 (9.4)	
	Week #10	
Mar. 30th	Exam #3 Review	Monday, Apr. 6th
Apr. 1st	**Exam #3**	
	Week #11	
Apr. 6th	Sections 9.1, 9.2 (10.1, 10.2)	Monday, Apr. 13th
Apr. 8th	Sections 9.2, 9.3 (10.2, 10.3)	
	Week #12	
Apr. 13th	Sections 10.1 (11.1)	Monday, Apr. 20th
Apr. 15th	Sections 10.2 (11.2)	
	Week #13	
Apr. 20th	Section 10.3 (11.3)	Monday, Apr. 27th
Apr. 22nd	Section 10.4 (11.4)	

Date	Sections Covered (8^{th} edition)	Homework Due Date
Week #14		
Apr. 27^{th}	Section 10.5 (11.5)	Monday, May 4^{th}
Apr. 29^{th}	Sections 10.5 (11.5) Exam 4 Review	
Week #15		
May 4^{th}	**Exam #4**	
May 6^{th}	Final Exam Review	
Final Exam: Monday, May 11^{th}, 6:05 – 8:10 PM		

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