Syllabus for Math 30 – Eureka Campus		
Semester & Year	Fall 2016	
Course ID and Section #	Math 30 E0340	
Instructor's Name	Phil Zastrow	
Day/Time	MTTHF	
Location	SC204	
Number of Credits/Units	4	
Contact Information	*Office location*	TBA
	Office hours	TBA
	Phone number	None
	Email address	phil-zastrow@redwoods.edu
Textbook Information	*Title & Edition*	Algebra and Trigonometry, 8th ed. or 7th ed.
	Author	<mark>Sullivan</mark>
	ISBN	#0132329034 (8th ed.) or #0131430734 (7th ed.)

Course Description

A course covering first-degree and absolute value equations and inequalities; composite and inverse functions; polynomial, rational, exponential, and logarithmic functions; systems of equations; matrices; sequences and series; mathematical induction; binomial expansion theorem; and complex numbers.

Student Learning Outcomes

1. Evaluate and interpret a difference quotient symbolically, numerically, and graphically.
2. Find and interpret the real and complex roots of a polynomial symbolically, numerically, and graphically.
3. Produce an accurate graph of a rational function by hand, and identify all salient features.
4. Demonstrate and interpret the inverse relationship between exponential and logarithmic functions.
5. Solve problems and applications involving exponential and logarithmic functions.
6. Solve 3x3 linear systems of equations using matrices and elimination, and interpret the nature of the solution set geometrically.
7. Recognize and solve problems involving arithmetic and geometric sequences and series.

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 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/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.

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.

More Course Information

PREREQUISITES: Grade of C or better in Math 120 (Intermediate Algebra), or passing score on the appropriate assessment exam. Prerequisites will be enforced.

TEXTBOOK: *Algebra and Trigonometry (7th edition)*, by Sullivan, published by Prentice Hall. Chapters 1, 3, 4, 5, 12, and part of 11 will be covered in the course. The corresponding *Student Solutions Manual* is also recommended.

Alternatively, you may use the 8th edition of the textbook with its corresponding *Student Solutions Manual*. Study guidelines will be provided for both the 7th and 8th editions.

You can also find both the 7th and 8th editions online at a very low price. For detailed textbook information, see the department course page at
http://www.redwoods.edu/math/Math-Course-Details (Click Math 30: College Algebra)

Do **not** purchase the textbook from the CR bookstore – you will pay multiple times the online price at the bookstore. Also, do **not** purchase the 9th edition. Study Guidelines will **not** be provided for the 9th edition.

COURSE STRUCTURE: I will answer questions about the homework at the beginning of class, based on email requests from the evening before class. There will be instruction, practice and group work[1]. In place of group work a daily quiz[2]. There will be two longer quizzes[3], two exams and a final.

ASSESSMENT: There will be a variety of ways to earn points, as mentioned in the course structure. In-class practice is not graded, even when I collect it, although group participation is. See grading below.

HOMEWORK: There will usually be two assessed assignments per week and assigned practice problems. Usually one assignment will be written and one completed using Optimath. The practice problems are meant to assist you in passing the assessments, including quizzes, graded homework, and exams.

For written assignments you must follow the homework guidelines to receive credit. After grading your written assignment, I will give you a chance to rewrite it for full credit. Homework guidelines will be posted on Canvas.

Late written and Optimath homework may be completed up to the next class period following the due date, but with a 20% penalty.

GRADING:

		Your course grade will be:	
Written Homework:	15%	90-100%	A (A-,A)
Optimath Homework:	15%	80-89%	B (B-,B,B+)
Short Quizzes[2]:	7.5%	70-79%	C (C,C+)
In Class Assignments:	7%	60-69%	D
Long Quizzes[3]:	7.5%		
Midterm Exams:	30%		
Final:	18%		
	100%		

There _may_ be some grade adjustments at the end of the semester, depending on the class performance as a whole. Don't count on a very big adjustment (raising everyone's percentage), but even if there is, you must complete the same percentage of the assigned tasks corresponding to the original grade ranges. Example: If the curve is adjusted down to 85% for the bottom of the A range (A- actually), you will have to have a grade for between 90 and 100% of the graded assignments to be moved into the A grade.

AVAILABLE HELP: Personal help will be available in the Academic Support Center and from the instructor. You are also highly encouraged to sign up for _Math Lab (Math 30L). Math 30L_ is a lab course that offers 0.5 to 1.0 units of credit to get assistance with your mathematics skills. The lab is located in the Academic Support Center. If mathematics has been a struggle for you in the past, or if you are in search of an A grade, then I strongly recommend _Math 30L_. It has been very successful in helping students achieve their goals in mathematics.

Alternatively, you can register for the _non-credit version of Math Lab (Math 252)._ This is exactly the same as _Math 30L_, but there are no minimum hour requirements.

USE OF CALCULATORS: A good graphing calculator is required. The calculator must be able to plot graphs of functions, and must be able to solve equations numerically (i.e., find intersections of curves). The TI-83+ or TI-84+ is an excellent, easy-to-use calculator that meets these requirements, and is the standard calculator that we use in other math courses at College of the Redwoods. However, if you already have another good graphing calculator that meets the above requirements, that may be used instead.

   GRAPHING CALCULATOR RENTAL INFO: http://www.tamimathcr.com/calculatorrental.html

REFERENCE BOOKLET: Composition notebook with graph paper. More about this Notebook will be available on Canvas.

ADDITIONAL OR MORE DETAILED COURSE INFORMATION: See Canvas for this course.

ATTENDANCE POLICY: Any student who is absent from class for the amount of time equal to two weeks of classes through week 10 **will be** withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner[4]. This policy conforms to Mathematics Department guidelines regarding Faculty Withdrawal of students after census day. If you miss more than 3 consecutive class periods without notification, you _may_ be dropped.

   If you are miss a long quiz, midterm, or the final, you can only make these assessments up if approved by me. It is essential that your absence[4] is considered excusable by me, and we have agreed on a remedy.

CELL PHONES: Use of cell phones is prohibited during class time, with the exception of the RAVE system, or other sanctioned emergency use.

Notes: 1. Solo work is permitted, with a 20% penalty. I don't encourage opting out of group work. There may be group work required outside of class. 2. Short Quizzes are normally a single question offered at the end of the class period. See Canvas for more information. 3. Long Quizzes will be up to 10 questions. These quizzes (two) will be on the calendar, and you will be notified of the general source material. There will be a practice quiz on Optimath representative of the material. See Canvas for more information. 4. Timely means before or during your extenuating circumstances. Please bring documentation that corroborates your circumstances. Example: Doctor's note. You cannot make up in class group activities.