Syllabus for Math-30-E0341		
Semester & Year	Fall 2016	
Course ID and Section #	Math-30-E0341	
Instructor's Name	Mr. Jon Pace	
Day/Time	T TH 6:05 – 8:10 PM	
Location	SC 210	
Number of Credits/Units	4 units	
Contact Information	*Office hours*	T 5:00 – 5:55 PM in SC 210 & M W TH 5:00 – 5:50 PM in the math lab
	Email address	jonothan-pace@redwoods.edu or via Canvas
Textbook Information	*Title & Edition*	Algebra and Trigonometry, 7th or 8th edition
	Author	Sullivan
	ISBN	7th edition – ISBN #: 0131430734 8th edition – ISBN #: 0132329034

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

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.

Graphing calculator required, TI-83 or 84 recommended.

Student Learning Outcomes (as described in course outline) :

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.

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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.

Recommended

1. Math Lab: Math30L (for 1 or ½ unit) or Math 252 (non-credit)
2. I would recommend forming study groups. They are a great way to study for exams and do homework problems.

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 take-home exams worth 35% the course grade and a cumulative final exam worth 15% of your course grade. You will have 1 week to do each exam. You can find the dates the exams will be handed out and the course material each exam will cover on the course schedule.

Final Exam: Tuesday, December 13th @ 6:05 – 8:10 PM

Homework

Online Homework: Each section will have an online homework assignment at MyOpenMath. Each assignment will be open for 3 full days during which time you will have unlimited attempts at each problem. After the 3 days there is a Late Pass period of 2 additional days during which you can do any problems you did not complete for half-credit.

MyOpenMath: https://www.myopenmath.com/index.php

Math-30-0341 Course ID: 15178

Written Homework: Each week I will post a short written assignment on Canvas that is due at the beginning of class the following Tuesday.

Quizzes

We will have a short quiz (about 10 minutes) at the beginning of class every Thursday covering any material from the previous week. You may only make up a quiz if you contact me ***PRIOR*** to the class period that the quiz is given.

Grades

Your final grade will be determined as follows:

Online Homework	25%
Written Homework:	10%
Quizzes:	15%
Exams:	35%
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 credit.
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.
9. **Each section should be turned in as its own homework assignment**.

* I reserve the right to change this syllabus as I deem necessary.

Course Schedule: Math 30 – College Algebra, Fall 2016
(*section for 7th edition*)

Week 1		
Tuesday – 8/30	1.1 1.2	Introduction to MyOpenMath Linear Equations Quadratic Equations
Thursday – 9/01	1.2 1.4	Quadratic Equations Radical Equations; Equations Quadratic in Form; Factorable Equations
Week 2		
Tuesday – 9/06	1.5 1.6	Solving Inequalities Equations & Inequalities involving Absolut Value
Thursday – 9/08	1.6 1.7	Equations & Inequalities involving Absolut Value Problem Solving
Week 3		
Tuesday – 9/13	3.1 3.2	Functions Graphs of Functions
Thursday – 9/15	3.3 3.4	Properties of Functions Library of Functions & Piecewise-defined Functions
Week 4		
Tuesday – 9/20	3.5	Transformations
Thursday – 9/22	6.1 (5.1)	Composite Functions **Exam 1: Ch. 1 & 3 (Take-home Exam)**
Week 5		
Tuesday – 9/27	3.6 4.3 (4.1)	Mathematical Models: Building Functions Quadratic Functions & their Properties
Thursday – 9/29	5.1 (4.2)	Polynomial Functions & Models
Week 6		
Tuesday – 10/04	5.2 (4.3) 5.3 (4.4)	Properties of Rational Functions The Graph of a Rational Function
Thursday – 10/06	5.4 (4.5)	Polynomial & Rational Inequalities

Week 7		
Tuesday – 10/11	R.6 5.5 (4.6)	Synthetic Division The Real Zeros of a Polynomial Function
Thursday – 10/13	1.3 5.6 (4.7)	Complex Numbers Complex Zeros **Exam 2: Ch. 4 & 5 (Take-home Exam)**
Week 8		
Tuesday – 10/18	6.2 (5.2) 6.3 (5.3)	One-to-One Functions; Inverse Functions Exponential Functions
Thursday – 10/20	6.3 (5.3) 6.4 (5.4)	Exponential Functions Logarithmic Functions
Week 9		
Tuesday – 10/25	6.5 (5.5) 6.6 (5.6)	Properties of Logarithms Logarithms & Exponential Equations
Thursday – 10/27	6.6 (5.6) 6.7 (5.7)	Logarithms & Exponential Equations Compound Interest
Week 10		
Tuesday – 11/01	6.8 (5.8)	Exponential Models **Exam 3: Ch. 6 (Take-home Exam)**
Thursday – 11/03	12.1 (11.1)	Solving Systems of Linear Equations w/ Substitution or Elimination
Week 11		
Tuesday – 11/08	12.2 (11.2)	Matrices
Thursday – 11/10	12.3 (11.3)	Determinants
Week 12		
Tuesday – 11/15	12.4 (11.4)	Matrix Algebra
Thursday – 11/17	13.1 (12.1)	Sequences & Series

Week 13		
Tuesday – 11/22	13.2 (12.2)	Arithmetic Sequences & Series
Thursday – 11/24		**No Class: Thanksgiving (Gobble Gobble!!)**
Week 14		
Tuesday – 11/29	13.3 (12.3)	Geometric Sequences & Series
Thursday – 12/01	13.4 (12.4)	Mathematical Induction **Exam 4: Ch. 12 & 13 (Take-home Exam)**
Week 15		
Tuesday – 12/06	13.5 (12.5)	The Binomial Theorem
Thursday – 12/08		Final Exam Review
Finals Week		
Final Exam		**Tuesday, Dec. 13th @ 6:05 – 8:05 PM**

*** I reserve the right to change this schedule at any time as I deem necessary.**