MATH-30-E5793 ***College Algebra***	
Semester & Year:	Summer 2014
Course ID and Section Number:	MATH-30-E5793
Number of Credits/Units:	4 units
Day/Time:	M – TH 11:00 – 12:30 PM
Location:	SC 204
Instructor's Name:	Mr. Jon Pace
Contact Information:	Office hours: M – TH 12:30 – 1:30 PM in SC 316 Math Lab: M – TH 9:30 – 10:30 AM in ASC Email: jonothan-pace@redwoods.edu or via MyCr

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.

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.

*** I reserve the right to change this syllabus at any time.**

MATH-30-E5793 College Algebra, Summer 2014

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 8^{th} edition. There is a complete mapping between 8^{th} edition and 7^{th} edition on the Math 30 course page.

A limited number of textbooks are available at the College 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 30 course page is located at: http://msenux.redwoods.edu/math/courses/math30.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 four in-class exams worth a total of 40% of the course grade and a cumulative final exam worth 15%. I will notify you at least one week in advance as to the date of each exam. 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: Thursday, July 31st from 11:00 – 1:00 PM

Homework

Homework Turned-In: Homework will be assigned each class period and each section of homework is worth 10 points. You will be assigned more than one section of homework on many days. **Homework is due the next class period.** The only way to learn math is to practice and homework is the practice. It 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 on OptiMath. **These are not graded assignments but the quizzes will be generated from these practice assignments.** You should immediately log into and familiarize yourself with OptiMath.

Quizzes / Participation

A 5 – 10 minute quiz will be given at the beginning of class on Tuesdays & Thursdays covering material from the previous classes.

Quizzes will also be given online through OptiMath. You will have a 4 days to complete the quiz and may attempt the quiz as many times as desired. There will be 15 – 20 Optimath quizzes throughout the semester.

Grades

Your final grade will be determined as follows:

Homework Turned-In:	20%
Quizzes:	25%
Exams:	40%
Final Exam:	15%

The grade break down 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 scale or points will be taken off.
8. Remove all "frillies" from the side of the page if you tear it out of a notebook.

Again, this syllabus and is subject to change at any time and at my discretion.

Math – 30 – E5793 Summer 2014 Class Schedule

Date	Topics	Homework Due
Week #1		
May 26th	**Memorial Day**	
May 27th	Class Intro, Sec. 1.1	May 28th
May 28th	Sections 1.2 & 1.4	May 29th
May 29th	Sections 1.5 & 1.6	June 2nd
Week #2		
June 2nd	Sections 1.6 & 1.7	June 3rd
June 3rd	Sections 3.1 & 5.1	June 4th
June 4th	Sections 3.2 & 3.3	June 5th
June 5th	Section 3.4	June 9th
Week #3 ***(8th edition in parentheses)***		
June 9th	Section 3.5 Exam #1 Review	June 10th
June 10th	**Exam #1**	June 11th
June 11th	Section 3.6 &	June 12th
June 12th	Section 4.1 (4.3-4.4)	June 16th
Week #4		
June 16th	Section 4.2 (5.1)	June 17th

Date	Topics	Homework Due
June 17th	Section 4.3 (5.2)	June 18th
June 18th	Section 4.4 (5.3)	June 19th
June 19th	Section 4.5 (5.4)	June 23rd
Week #5		
June 23rd	Section 4.6 & R.6 (5.5 & R.6)	June 24th
June 24th	Section 4.7 & 1.3 (5.6 & 1.3)	June 25th
June 25th	Exam #2 Review	
June 26th	**Exam #2**	