Syllabus for: Math 30 College Algebra

Semester & Year:	Fall 2013
Course ID and Section Number:	Math 30 E3862
Number of Credits/Units:	4
Day/Time:	MWF
Location:	SC208
Instructor's Name:	Chris Panza
Contact Information:	Office location and hours: TBA Phone: 476-4100 x 4856 Email: chris.panza.cr@gmail.com

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.

Student Learning Outcomes (as described in course outline) :

- Evaluate and interpret a difference quotient symbolically, numerically, and graphically.
- Find and interpret the real and complex roots of a polynomial symbolically, numerically, and graphi- cally.
- Produce an accurate graph of a rational function by hand, and identify all salient features.
- Demonstrate and interpret the inverse relationship between exponential and logarithmic functions.
- Solve problems and applications involving exponential and logarithmic functions.
- Solve 3×3 linear systems of equations using matrices and elimination, and interpret the nature of the solution set geometrically.
- 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.

MATH 30 – College Algebra

E3862 • Fall 2013

SC 208 • MWF • 8:30am – 9:45am

Instructor: Chris Panza
Email: chris.panza.cr@gmail.com
Website: http://msemac.redwoods.edu/∼cpanza/
Office: TBA
Office Hours: M 10:00am – 11:00am, W 10:00am – 12:00pm
Math Lab: M 11:30am – 1:00pm

Cell Phones

Cell phones are a nuisance and distraction for you, me, and your fellow students. Keep them on silent or off and put away (not on your desk) for the duration of class. The use of cell phones during class is prohibited.

Prerequisite

Math 120 with a grade of C or better or appropriate score on the assessment test.

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.

Course Objectives

- Evaluate and interpret a difference quotient symbolically, numerically, and graphically.
- Find and interpret the real and complex roots of a polynomial symbolically, numerically, and graphically.
- Produce an accurate graph of a rational function by hand, and identify all salient features.
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- Solve problems and applications involving exponential and logarithmic functions.
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- Recognize and solve problems involving arithmetic and geometric sequences and series.

Textbook

Algebra & Trigonometry, 7th (purple) or *8th Ed.* (light green) by Sullivan. I will be using the 8th edition.

Calculators

You will need a graphing calculator; I recommend a TI-83 or TI-84. Calculators are available for rent in the division office. Also, check local pawn shops, Craigslist, eBay, etc. Cell phones will not be allowed to be used as a calculator.

Grading

Homework	35%	90 – 100%	A
Quizzes	30%	80 – 89%	B
Exams	35%	70 – 79%	C
		60 – 69%	D
		Below 60%	F

I will assign +/− grades for the top and bottom 2% of each category. I always round UP to the nearest whole percent.

Homework
All work in homework is a worthwhile investment. You are encouraged to work together on your homework assignments. Each homework problem is worth 2 points. I have included some suggested problems for you to get extra practice; do not turn these in. Homework will not be accepted late except for a valid reason (e.g. sick, family emergency, etc.). At the end of the semester the three lowest homework scores will be dropped from your grade.

Use an $8\frac{1}{2} \times 11$ sheet of paper, staple each individual assignment separately in the upper left corner and include your full name, class name, book edition, homework number, and instructor's name in the upper right hand corner. Use only pencil and be sure all problems are neat and readable even if you must rewrite it. Begin with the original expression/equation from the book and work in a vertical fashion with each step performed on a separate line. Include space between problems and no more than two columns of work on a sheet of paper. Always show equality where appropriate and clearly indicate your answers. Be sure to label answers such that there is sufficient context to explain the answer; a number by itself means nothing. All graphs should be on graph paper, correctly and appropriately labeled. When in doubt, copy the format I use in class or the format presented in the textbook. I will post solutions to the assigned problems online.

Quizzes
Every Friday there will be a short quiz during the first 15–20 minutes of class. These quizzes will include material covered in class and the textbook from the sections for which you have turned in homework since the previous quiz. Each quiz will be worth 10 points. Be sure to show up on time with a pencil. At the end of the semester the three lowest quiz scores will be dropped from your grade. There are no make-up quizzes and no extra time is allowed; a missed quiz will count as one of your lowest scores and will be dropped. I will post solutions to the quizzes online.

Exams
There will be two Midterms (100 points each) and a Final (200 points). All exams are closed book and individual. Be sure to bring a sharp pencil and your calculator. Always clearly rewrite all applicable steps in the space provided on the exam; never refer to scratch paper or backs of pages. There are NO make-ups. In case of a severe conflict, arrangements can be made to take the exam early.

Midterm 1: on or around Friday, September 27, 2013, 8:30am – 9:45am
Midterm 2: on or around Friday, November 1, 2013, 8:30am – 9:45am
Final Exam: Monday, December 9, 2013, 8:30am – 10:30am

Important Note: Anything not done in pencil will not be graded!

Calendar
The course calendar can be viewed online and will be updated regularly. It contains a schedule of what we will cover and all due dates for homework, quizzes, and exams. Please refer to it often.

Attendance
Attendance is very important to your overall understanding of the concepts presented in this course. You should attend all class sessions, arriving on time and leaving after the class has ended. I encourage participation and welcome all questions. If you must miss class, check with the calendar and fellow students to see what you missed.

Withdrawal After Census (WAC) Policy
A student who is absent from class for the amount of time equal to two weeks of classes, will be withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner. This "faculty withdrawal" can occur between Week 4 and Week 10 of the semester.

Cheating
Cheating is a very serious offense and is dealt with in a serious way. Don't do it.

Assistance

If you have a documented disability or believe you could benefit from any of the services offered by Disabled Student Programs & Services (DSP&S), please contact the DSP&S office (Building T20, behind Bookstore) at 476-4280. If you are allowed an special accommodations, please let me know and give me the appropriate paperwork during the first couple weeks of class.

Tutoring

I encourage you all to enroll in MATH 52 for a 1/2 or 1 unit of credit to obtain supplementary help. It is a Credit/No Credit course that will not affect your GPA, but is counted among the 12 unit minimum for financial aid.

Other

Please turn off and remove all portable audio systems before entering class. Please be respectful your fellow classmates; refrain from using foul, crude, or disrespectful language in the classroom. This syllabus can be changed by me at any time. Canceled Class Hotline (Math & Science only): (707) 476-4210 #5