Syllabus for: College Algebra – Math 30

Semester & Year:	Fall 2012
Course ID and Section Number:	Math 30 D2186
Number of Credits/Units:	4
Day/Time: **Location:**	MtuWTh 8:25 – 9:30 Room 23
Instructor's Name:	Robert Horel
Contact Information:	Office location and hours: Phone: 541-469-9661 Email: robert-horel@redwoods.edu

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 and inequalities; matrices; sequences and series; mathematical induction; binomial expansion theorem; and complex numbers.

Student Learning Outcomes: Students should be able to

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.

Grading

	Points
OPTIMATH	40
Homework Assignments	60
Exams (4)	400
Midterm Exam	200
Final Exam	300

A: 90%-100% B:80%-89% C:70%-79% D:60-69

Calendar

August 27 First Day of Class

September 3 Labor Day No Class

September 6 Exam 1 Chapter 1

September 20 Exam 2 Chapter 3

October 11 Midterm Chapters 1, 3 & 4

November 1 Exam 3 Chapter 5

November 12 Veterans Day No Class

November 22 Thanksgiving No Class

November 29 Exam 4 Chapters 11 & 12

December 6 Last Day of Class

December 11 Final Exam

Requirements: Homework on each section is due the next class meeting after the lecture on the section. OPTIMATH assignments will be closed after due date.

Links

OPTIMATH: http://msenux.redwoods.edu/optimath

CR Mathematics: http://msenux.redwoods.edu/mathdept/

Math 30 Page:
http://msenux.redwoods.edu/mathdept/courses/current/math30.php

Changes

I reserve the right to make adjustments to the syllabus should things not proceed as expected. However, I do not anticipate making major changes.