Syllabus for: Math 380 Elementary Algebra

Semester & Year:	Spring 2013
Course ID and Section Number:	Math 380 – E2682
Number of Credits/Units:	5
Day/Time: **Location:**	MTWTh 10:05-11:20 AM PS 115
Instructor's Name:	Kevin Yokoyama
Contact Information:	Office location and hours: PS 119E: M-Th 7:30-8:30 AM Phone: 476-4233 Email: Kevin-Yokoyama@redwoods.edu

Course Description (catalog description as described in course outline):
A study of the real number system, first-degree linear equations and inequalities, polynomial expressions and equations, factoring, radicals, quadratic equations and the quadratic formula, interpretation of graphs, and problem-solving techniques. Small group work and exploratory activities (including the use of the graphing calculator) are involved in this course.

Student Learning Outcomes (as described in course outline) :

These are the things a student will be able to do as a result of successfully completing this course.

1. Use properties of real numbers to solve linear equations, inequalities, and systems of linear equations.
2. Solve non-linear equations by factoring.
3. Draw and interpret graphs and solve problems graphically.
4. Use sound mathematical writing and appropriate use of symbolism in presenting solutions of mathematical exercises and applications.

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.

Text: "Elementary Algebra", custom edition for College of the Redwoods	**Office:** PS 119E
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OBJECTIVE: This course covers the main topics found in beginning algebra including: the real number system, linear equations and inequalities, polynomial expressions and equations, graphs of linear equations and inequalities, radicals, quadratic equations, the quadratic formula, interpretation of graphs and problem solving techniques. This course is also designed to prepare you for Math 120 (intermediate algebra). The prerequisite for this course is Math 376 (prealgebra), or an appropriate score on the math placement test. We will be using graphing calculators extensively in this course. If you don't have a graphing calculator you will need to purchase one. We strongly recommend the TI 83 Plus graphing calculator

Course Learning Outcomes:

These are the things a student will be able to do as a result of successfully completing this course.

1. Add, subtract, multiply and divide whole numbers, integers, and rational numbers.
2. Evaluate algebraic expressions with one or more variables.
3. Simplify polynomial expressions (add, subtract and multiply).
4. Solve linear equations.
5. Apply the five step problem solving process to solve applications (word problems).

HOMEWORK: Homework will be assigned every class meeting, and will be collected on Monday and Thursday of each week. If you can't get the assignment in on time make sure that you know the material because you will still be held responsible for the information.

QUIZZES: Quizzes will be given several times during the semester. The quiz questions will usually cover material given in the homework. **MAKE-UP QUIZZES WILL NOT BE GIVEN!**

TESTS: There will be four 100-point exams given over the semester, as well as a 100-point comprehensive final exam. **MAKE-UP TESTS WILL NOT BE GIVEN!**

CELL PHONE USE: Cell phone use in class is prohibited. If you are expecting an emergency call, please set your phone on silent/vibrate mode. If you need to use your phone, please do so outside of class.

MATH 380L - The Math Lab for Elementary Algebra: All students in this class are encouraged to enroll in Math 380L, The Math Lab for Elementary Algebra. You may sign up for 0.5 - 1.0 units of credit. The Math Lab is located in the Academic Support Center in the library, and is open every day. The Math Lab is a great place to study or do your homework. You can receive help from one of the instructors on your homework, study for exams, or brush-up on your study skills by using one of the many computer programs installed on the network.

GRADING:

Quizzes/Homework/Labs	100 points
3 Tests (100 points each)	300 points
Final	100 points
Total	500 points

Grades will be assigned as follows:

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

This material may be accessed online at the following link:
http://msemac.redwoods.edu/~kyokoyama/index.htm