

Syllabus for: Math 380-Elementary Algebra	
Semester & Year:	Fall 2014
Course ID and Section Number:	Math 380-E36111
Number of Credits/Units:	5.0
Day/Time:	MTTH 6:05-7:40pm
Location:	SCSC 206
Instructor's Name:	Dr. Ken Owens
Contact Information:	Office location and hours: SCSC 206 MTTH 7:40-8:00pm Phone: 707-826-4249 Email: ken-owens@redwoods.edu
Course Description : 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: Use properties of real numbers to solve linear equations, inequalities, and systems of linear equations. Solve non-linear equations by factoring. Draw and interpret graphs and solve problems graphically. 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 accommodations document to me as promptly as possible so that necessary arrangements can 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.	
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.	

MATHEMATICS 380: Elementary Algebra, fall 2014

Instructor: Dr. Ken Owens

Office Hours: SCSC 206 MTTH 7:40-8:00pm and by appointment

Email: ken-owens@redwoods.edu

TEXTBOOK: *Elementary Algebra*, provided by the Department of Mathematics at College of the Redwoods. The textbook is provided on CD and online at http://mathrev.redwoods.edu/ElemAlgText_s12/. You may also *order* a printed version of the entire text or solutions from <http://www.lulu.com>.

TOPICS: Real number system, First degree linear equations and inequalities, Polynomial expressions and equations, Factoring, Radicals, Quadratic equations and the quadratic formula, Interpretation of graphs, Problem solving techniques.

STUDENT LEARNING OUTCOME: Upon completion of this course, students will be able to accomplish the following:

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.

EXPECTATIONS: I expect that you come to class and participate, work hard on your homework assignments, do your best on exams. I expect everyone to treat each other with respect in our class. I expect that you use cell phones and computers appropriately and in a manner that does not disturb any fellow students or the instructor; this implies that at the very least there should not be any sound coming from your cell phone and you only utilize applications that have course content related material. Additionally, you should be on time to class and avoid leaving early in order to minimize disruption. The Student Code of Conduct addresses many issues that arise on a college campus and you should be aware of the agreement that you have made as an enrolled student.

MATERIALS: Besides the mentioned text, you will need to obtain the following for this class:

- a) A TI-83+ or TI-84.
- b) Graph paper.
- c) A notebook to keep lecture notes and returned work in.
- d) Lots of pencils and an eraser.

GRADING SYSTEM: Your course grade will be determined as follows:

Homework	25%
Exams	50%
Final Exam	25%

GRADING EXCEPTION:

Anyone doing all the assignments, taking all the tests, showing steady improvement and getting an A on the final may get an A in the course even if other grades would otherwise prevent it. This exception applies only to students demonstrating exceptional effort all semester who get an A on the final as a result of their hard work. This exception is awarded only at the discretion of the instructor and his decision is final.