Syllabus for: Math 380-Elementary Algebra

Semester Year:	Spring 2015
Course ID and Section	Math 380- E7028
Number of Units:	5.0
Day/Time: Location:	MTTH 6:05- 7:40pm SCSC
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: Elem. Algebra, Spring 2015
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:

Participation   10%
Homework   25%
Two Exams   40%
Final Exam   25%

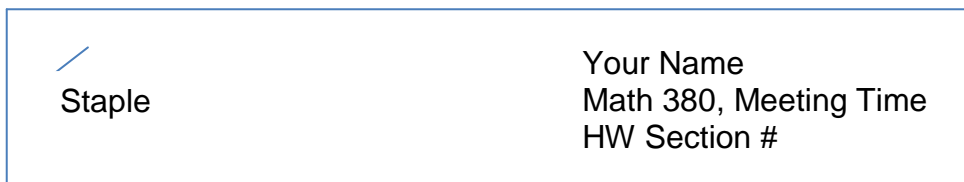## HOW TO SUCCEED IN MATH 380

The success formula is three fold: 1) Come to class. 2) Do your homework daily. and 3) Study hard for the exams according to the following.

PARTICIPATION:
Come to class! The next most important thing you can do is come to class! This is so important that it is worth 10% of your grade. That is to say, coming to class is worth a letter grade!

HOMEWORK:

Homework will be assigned each class period either from the text or OPTIMATH. The most important thing you can do to succeed in this class is to do the homework <u>every day</u>. Just do it! Think of it like leaning a language; you have to practice. The picture below shows how to format your homework.

Staple

Your Name
Math 380, Meeting Time
HW Section #

EXAMS:

Get a study group together and start a systematic review of the class material a week before the exam. Make each other practice exams. There will practice exam problems assigned.