Syllabus for: (name of class)

Math 380: Elementary Algebra

Semester & Year:	Fall 2012
Course ID and Section Number:	Math 380-K2636
Number of Credits/Units:	5
Day/Time:	TTh 4:00-6:30 pm
Location:	HHS 209
Instructor's Name:	Steve Wright
Contact Information:	Office location and hours: Klamath-Trinity Instructional Site, by chance and by appointment Phone: 530-625-4846 Email: jsw8@humboldt.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.

Note: Graphing calculator required, TI-83 or TI-84 recommended.

Student Learning Outcomes (as described in course outline) :

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://www.redwoods.edu/District/Board/New/Chapter5/Ap5500.pdf

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.

Fall 2012 MA 380, Elementary Algebra Wright

Text: Elementary and Intermediate Algebra
Free 380 Disk, Paper copy available
Math Dpt. College of the Redwoods

Also: Lab / problem supplement
Available at KT office

Design & Purpose:

This course will prepare the student for Intermediate Algebra. Successful completion will promote the student's ability to:

1. write and express mathematical ideas.
2. analyze with a graphing calculator.
3. develop problem solving skills.
4. utilize exponential rules to evaluate polynomial expressions.
5. use linear analysis on systems of equations.
6. develop a feel for geometry with area, volume, and similarity.

Supplemental Materials: TI 83 or 84 or plus versions graphing calculator ONLY
Graph paper
Colored pencils or pens
Straightedge (ruler / triangle) for line graphs
Notebook / Portfolio of your semester's work

Grading:

1. Attendance, the key to success on exams.
2. Participation, show me that you are keeping ahead by board demonstration.
3. Several Topic Exams
4. Final Exam, cumulative

Outline: Beginning Algebra is concerned primarily with lines: linear models, graphs of those models, regression. Equations in one, two, & more variables, factoring, exponential operations, polynomials, roots, radicals, inequalities, absolute value, rational expressions, area, volume, applications, word problems.

Advice:

1. Find 2 partners from the class, swap phone numbers. Partners can pick up materials when you are not in class, supply notes, and form a base for a study group.
2. Come to drop in tutoring session times TBA.
3. Don't be shy about asking for help. My job: answering questions. YOUR JOB: Asking them.
3. Come to the board with problems you can't finish and also those that you can demonstrate.
4. Try to work a *few* problems *each* day.
5. You may use notes if your portfolio is up to date.