

| <b>Syllabus for: Math 380 Elementary Algebra</b>  |   |
|---|---|
| <b>Semester &amp; Year:</b>   | Spring 2014   |
| <b>Course ID and Section Number:</b>  | MATH-380-K5550  |
| <b>Number of Credits/Units:</b>   | 5   |
| <b>Day/Time:</b>  | Tuesday Thursday 6:55-9:25pm  |
| <b>Location:</b>  | HTEC Room 3   |
| <b>Instructor's Name:</b>   | Danny Ammon   |
| <b>Contact Information:</b>   | Office location and hours: HTEC Room 1 TueTh 3:15-4:05<br>Email: <a href="mailto:danny-ammon@redwoods.edu">danny-ammon@redwoods.edu</a> |
| <b>Course Description (catalog description as described in course outline):</b><br>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.   |   |
| <b>Student Learning Outcomes (as described in course outline) :</b><br>1. Add, subtract, multiply and divide whole numbers, integers, and rational numbers.<br>2. Evaluate algebraic expressions with one or more variables.<br>3. Simplify polynomial expressions (add, subtract and multiply).<br>4. Solve linear equations.<br>5. Apply the five step problem solving process to solve applications (word problems).   |   |
| <b>Special accommodations:</b> 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.  |   |
| <b>Academic Misconduct:</b> 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 will receive a zero the first time and the second time will receive an "F" in the course.<br><br>The student code of conduct is available on the College of the Redwoods website at:<br><a href="http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.pdf">http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.pdf</a><br><br>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. |   |
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# MATH 380 - Elementary Algebra

Spring 2014

HTEC Room 3 TTh 6:55pm - 9:25pm

Instructor: Danny Ammon

Email: [danny-ammon@redwoods.edu](mailto:danny-ammon@redwoods.edu)

Office Hours: TTh 3:15pm - 4:05pm at HTEC Room 1

## Cell Phones

Keep them on silent (or off) and put away for the duration of class. You should not answer a call or make a call in the classroom. You should step outside of the class to do phone calls if necessary.

## Prerequisite

Math 376 with a grade of C or better or appropriate score on the assessment test.

## 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.

## Course Objectives

- 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.

## Textbook

Elementary Algebra, Second Edition: 2012-2013, College of the Redwoods, Department of Mathematics  
Available on disk or online. You may also purchase a printed copy from the bookstore or from [lulu.com](http://lulu.com):

Elementary Algebra Textbook:

<http://www.lulu.com/shop/david-arnold/elementary-algebra/paperback/product-20276557.html>

Elementary Algebra Solutions Manual

<http://www.lulu.com/shop/david-arnold/elementary-algebra-solutions-manual/paperback/product-20276540.html>

## Calculators

You will need a graphing calculator; I recommend a TI-83+ or TI-84+. Cell phones may be used as a calculator, but they are not as powerful or useful as a graphing calculator. I will do instruction on how to use your graphing calculator to solve problems. The book also gives instruction on how to use the TI-83+ to solve problems. Graphing calculators can be borrowed for a deposit (see Elisha Pratt) and returned at the end of the semester.

## Grading

|                   |             |
|-------------------|-------------|
| Homework 25%      | 90 - 100% A |
| Exams 45%         | 80 - 89% B  |
| Participation 10% | 70 - 79% C  |
| Final Exam 20%    | 60 - 69% D  |
|                   | Below 60% F |

## Homework

All work in homework is a worthwhile investment. You are encouraged to work together on your homework assignments. Homework will be accepted late, but the class moves fast and is easy to get behind and be overwhelmed. Late homework may be given reduced credit.

## Exams

There will be four exams during the semester. All exams are individual. Be sure to bring a sharp pencil and your graphing calculator.

## Attendance

Attendance is very important to your overall understanding of the concepts presented in this course. You should attend all class sessions, arriving on time and leaving after the class has ended. I encourage participation and welcome all questions. If you must miss class, check with fellow students to see what you missed.

## Cheating

Cheating is a very serious offense and will result in a zero on the assignment/exam the first time, and an F in the class for a second offense. Please don't do it. Working together on homework assignments is a good thing and encouraged. Copying somebody else's homework is plagiarism/cheating and is not helpful or acceptable. Working together on homework assignments requires conversations to collaborate.

## Other

Please turn off and remove all portable audio systems before entering class. Please be respectful of your fellow classmates; refrain from using foul, crude, or disrespectful language in the classroom. This syllabus can be changed by me at any time