

Syllabus for: Math 380: Elementary Algebra	
Semester & Year:	Fall 2013
Course ID and Section Number:	MA TH-380-D4123
Number of Credits/Units:	5
Day/Time:	Tuesday, Wednesday, Thursday 2:00-3:35
Location:	DM 15
Instructor's Name:	
Contact Information:	Office location and hours: To be arranged Phone: Email: heinz-falenski@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) : <ol style="list-style-type: none"> 1. Evaluate and simplify numerical and algebraic expressions involving integers and rational numbers. 2. Solve linear equations. 3. Write linear equations for word problems and solve. 	
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.

MATHEMATICS 380: Elementary Algebra, Fall 2013

Instructor: Heinz Falenski

Office Hours: To be arranged and by Appointment

Email: heinz-falenski@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/>. 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 everyone is treated with respect in our class. Please go out of your way to be considerate of others since this will enhance the quality of the learning environment in our classroom.

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 (available on the class website).
- c) A notebook to keep lecture notes and returned work in.
- d) A bound notebook for a Math 380 Reference Book.
- e) Lots of pencils and an eraser.

GRADE SYSTEM: Your final grade will be determined as follows

Homework	15%
Participation	5%
Exams	45%
Quizzes/Activities	20%
Final Exam	15%

I will be using the plus/minus grade system. The break down is as follows

A	93-100%	B	83-86.9%	C	70-76.9%
A-	90-92.9%	B-	80-82.9%	D	60-69.9%
B+	87-89.9%	C+	77-79.9%	F	0-59.9%

HOMEWORK: Homework will be a regular aspect of this class, and I expect that it will be done in an organized, neat and readable fashion. The quality of your homework presentation is important to me since it representative of your understanding of coursework. Your lowest homework score will be dropped and I will accept one late homework assignment one time. See **Guidelines for Homework Assignments** and make sure you label and staple your homework correctly. Allegorically, students that don't have most of their homework assignments turned in don't typically pass the class.

EXAMS: There are at least four exams. No make-up exams will be offered, however, the lowest exam score will be dropped if you take the last exam in class. All exams are closed book and notes unless otherwise explicitly stated.

EXAM TIMES: Exams are held during the class hours published in the schedule of classes. Please be aware that regardless of the time you begin the exam, the deadline is at the end of the scheduled class time. If you are using the test proctoring services located in DSP&S, be advised that you must schedule a time that overlaps with the published course time of the class in which you are enrolled. You must schedule a time with Erica Silver in the DRC and report it to me at least 24 hours before the published exam time. If you fail to attend the exam time that you have scheduled, then you forfeit your opportunity to take the exam.

QUIZZES/ACTIVITIES: The quiz grade will be calculated by averaging quiz scores and all of the activity scores. There will be no make-up quizzes offered, but you may drop your low quiz score.

FINAL EXAM: The final exam will be held **Thursday, December 12** from 2:00 to 3:35 pm. The final exam will consist of at least one part that is closed book/notes and without the use of the calculator. I will give you a handout before the exam that clearly explains the scope of the exam.

ATTENDANCE: To succeed in a mathematics class you need to attend every class meeting. The CR Catalog defines five absences as excessive for a five unit class. If you have to miss class, make prior arrangements with a fellow student to get any notes or materials covered that day. You are responsible for the all material covered even if you don't attend class. The Math Department policy is attached on this document.

PARTICIPATION: The participation grade is positively affected by your involvement in the class, attendance, punctuality, and negatively affected by physical and electronic disturbances. You will turn in participation problems weekly.

OFFICE HOURS: My office hours are dedicated to focusing on your needs. Take advantage of these hours to ask me questions that you have been unable to resolve with your study partners and other concerns you might have. The best use of your time is to come to the office with a clear idea of what

you need from me in order to attain your immediate goal. I am often in my office, and you are welcome to ask me questions outside of office hours.

DISABILITIES: If you are a student with a disability or if you think that you could benefit from disability-related services, you may either speak to me or you may contact our Disabled Student Programs and Services Office on campus.

ACADEMIC INTEGRITY: If you cheat on an exam or quiz, then expect to fail the course, additionally the campus dean and the vice-president of instruction will be notified. All exams are closed book/notes unless otherwise stated. During exams and quizzes student cell phones will be turned off and not physically accessible, neglecting to do this may lead to forfeiting your opportunity to earn points on the assignment.

DISCLAIMER: While every attempt will be made to keep minimal changes to this document during the semester, like most other things, it is subject to change.

Fall 2013 Schedule

	Section
Week 1	1.1
	1.2
	1.3-4
Week 2	1.4-5
	2.1
Week 3	2.2
	2.3
	2.4-5
Week 4	2.5
	2.6
	Review
Week 5	3.1-2
	3.2-3
	3.4

Week 6	3.5 3.6 4.1
Week 7	4.2 4.3 4.4
Week 8	Review 5.1-2 5.2-3
Week 9	5.3-4 5.4-5 5.5-6 Activity
Week 10	5.7 6.1-2 6.2-3 6.3-4
Week 11	6.4-5 6.5-6 Activity
Week 12	6.7 Review 7.1-2
Week 13	7.2-3 7.3-4 7.4-5
Week 14	7.5 Review 8.1
Week 15	8.2 8.3-4
Week 16	Review Final