

Math – 380 – E8410
Elementary Algebra

Semester & Year:	Summer 2015
Course ID and Section Number:	Math – 380 – E8410
Number of Credits/Units:	5 UNITS
Day/Time:	M – TH 11:00AM – 1:05PM
Location:	SC 206
Instructor's Name:	Mr. Jon Pace
Contact Information:	Office hours: 8:30 – 10:45 in the Math Lab Email: jonathan-pace@redwoods.edu or via Canvas

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.

Special Notes or Advisories: *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.

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.

College of the Redwoods Emergence Preparedness Plan:

<http://inside.redwoods.edu/safety/documents/EmergencyPreparedness-EntirePlan1-4-2013.pdf>

During an evacuation:

- Be aware of all marked exits from your area and building. Know the routes from your work area to the nearest exits.
- Once outside, move to the nearest evacuation point outside your building.
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (Be aware CR's lower parking lot and 101 frontage are within the Tsunami Zone).

*** I reserve the right to change this syllabus as I see fit.**

Course Prerequisites

Math 376 with a grade of "C" or better (or equivalent), or appropriate score on the math placement exam.

Representative prerequisite skills:

- Add, subtract, multiply and divide whole numbers, integers, and rational numbers.
- Evaluate algebraic expressions with one or more variables.
- Simplify polynomial expressions (add, subtract and multiply).
- Solve linear equations.
- Apply the five-step problem solving process to solve applications (word problems).

Text

The textbook for this course is available at: <http://mathrev.redwoods.edu/ElemAlgText/>

Paper copies of the text are also available at the bookstore or for much cheaper at Lulu: <http://www.lulu.com/shop/david-arnold/elementary-algebra/paperback/product-20276557.html>

Resources Required:

1. Pencils and erasers (**pens may not be used in this class**).
2. Ruler or straightedge.
3. Graphing calculator.

Recommended

1. Math Lab - Hours TBD
2. I recommend forming study groups. They are a great way to study for exams and do homework problems.
3. The Math 380 course page (for your interest) is located at <http://msenux.redwoods.edu/mathdept/courses/math380.php>

Classroom Environment

It is essential to our class that both students and teacher behave in a manner that will provide a comfortable learning atmosphere. Be respectful of one another. Any rude or derogatory comments will be dealt with quickly and severely. We are all adults and an open, comfortable environment is crucial for learning. Therefore, you should not hesitate to ask any questions or feel embarrassed to ask any question or seek help. **Please turn off cell phones before entering the classroom.**

Exams

There will be 4 exam throughout the semester. These exams will comprise 40% of your grade. A cumulative final exam worth 15% of your final grade will be given on the last day of class. I will post a practice exam on Canvas before each exam. All exams need to be taken in class on the day of the exam. There will be no make-up exams. **The final exam must be taken on the scheduled day and time, no exceptions.**

Final Exam: Thursday, July 30th @ 11:00AM – 1:05PM

Homework / Practice

Written homework will be assigned after each class period and **is due the next class period.** Homework must be neat, complete, and handed in to me. See the guidelines for written homework at the end of this syllabus.

Optimath:

Practice assignment will be posted on Optimath for each section. This is an outstanding place to see full solutions to problems that are very similar to your assignments.

Quizzes

There will be a short daily quiz at the beginning of each class. The quiz will cover material introduced in the previous class period. The quiz will only be given at the beginning of class. There is also a weekly quiz on Optimath that will be open all week and you have unlimited attempts while the quiz is open.

Calculator Use

A good graphing calculator is required for this course. The calculator must be able to plot graphs of functions and solve equations numerically. The TI-83 + and TI-84+ are excellent, easy-to-use calculators that meets these requirements and are the standard calculators used in other math classes at College of the Redwoods. However, if you already have a good graphing calculator that meets the above requirements you may use that one. You may rent a calculator through the math lab:

1. Go see Betsy Buchanan in the Mathlab in the Academic Support Center in the Library. Ask her if there are any more calculators available.
2. If there still are calculators available, go to the Cashier's office in the Student Services Building (2nd Floor), pay the \$20, then bring the receipt to Betsy Buchanan in the Math Lab (in the ASC). She will have you fill out the rental contract and give you a calculator.
3. Note that students will be charged a \$100 replacement fee if the calculator is lost, damaged, or not returned for any reason at the end of the semester.

Grades

Your final grade will be determined as follows:

Homework	25 %
Quizzes:	20 %
Exams:	40 %
Final Exam:	15 %

The grade break down is as follows:

A	93 - 100%	C+	77 - 79%
A-	90 - 92%	C	70 - 76%
B+	87 - 89%	D	60 - 69%
B	83 - 86%	F	0 - 59%
B-	80 - 82%		

Attendance and Participation

You are expected to come to class, be prepared, and arrive on time. Daily quizzes will only be given at the beginning of class.

Academic Dishonesty

Academic dishonesty is the willful and intentional fraud and deception to improve a grade or obtain course credit. It includes all student behavior intended to gain unearned academic advantage by fraudulent and/or deceptive means. Cheating is not accepted. Please read CR's Academic Integrity and Honesty policy:

<http://www.redwoods.edu/departments/ho/handbook/academicHonesty.asp>

Americans with Disabilities Act

If you believe you may need an accommodation for a disability, please see me or initiate contact with Disabled Student Programs and Services.

Guidelines for Homework

Please adhere to the following guidelines before turning in your homework assignments:

1. Staple all homework in the upper left hand corner.
2. Label your homework with your name, section number(s), and a list of problems assigned in the upper right hand corner.
3. Box your answers to each exercise.
4. You must use pencil when writing your homework and your work must be written legibly and neatly.
5. Be sure to show your work when solving a problem. A problem with just the answer and no work shown will not receive any points.
6. When creating a graph, you must use graph paper and a ruler or straight edge. When graphing, make sure that you label your axes and scale or points will be taken off.

*** I reserve the right to change this syllabus and/or the class schedule at any time as I see fit.**

Math 380, Summer 2015
Course Schedule

DATE	SECTIONS	HOMEWORK
Week #1		
5/26/15	1.1, 1.2	1.1: 1 – 49 every other odd 1.2: 5 – 75 multiples of 5
5/27/15	1.3, 1.4	1.3: 5 – 80 mult. of 5 1.4: 5 – 80 mult. of 5
5/28/15	1.5	1.5: 5 – 60 mult. of 5
Week #2		
6/01/15	2.1, 2.2	2.1: 5 – 50 mult. of 5 2.2: 5 – 55 mult. of 5
6/02/15	2.3, 2.4	2.3: 1 – 33 e. o. o. 2.4: 1 – 37 e. o. o.
6/03/15	2.5	2.5: 1 – 33 e. o. o.
6/04/15	2.6 , Exam #1 review	2.6: 5 – 80 mult. of 5
Week #3		
6/08/15	Exam 1, 3.1	3.1: 5 – 35 mult. of 5
6/09/15	3.2, 3.3	3.2: 1 – 29 e. o. o.
6/10/15	3.3 , 3.4	3.3: 1 – 29 e. o. o. 3.4: 1 – 23 ALL ODDS
6/11/15	3.5 , 3.6	3.5: 1 – 15 ALL ODDS 3.6: 1 – 33 e. o. o.
Week #4		
6/15/15	4.1, 4.2	4.1: 5 – 30 mult. of 5 4.2: 1 – 46 every 3rd
6/16/15	4.3	4.3: 1 – 40 every 3rd
6/17/15	4.4	4.4: 1 – 16 every 3rd

DATE	SECTIONS	HOMEWORK
6/18/15	5.1	5.1: 1 – 46 every 3 rd (Due on Tuesday, 6/23)
Week #5		
6/22/15	Exam 2 (ch. 3 & 4)	
6/23/15	5.2	5.2: 5 – 65 mult. of 5
6/24/15	5.3	5.3: 1 – 15 ALL ODDS
6/25/15	5.4	5.4: 2 – 38 every 3 rd
Week #6		
6/29/15	5.5	5.5: 5 – 55 mult. of 5, & 57
6/30/15	5.6 , 5.7	5.6: 1 – 55 every 3 rd 5.7: 1 – 76 every 3 rd
7/01/15	6.1	6.1: 1 – 76 every 3 rd
7/02/15	6.2	6.2: 1 – 58 every 3 rd
Week #7		
7/06/15	6.3	6.3: 1 – 44 every 3 rd
7/07/15	6.4	6.4: 1 – 46 every 3 rd
7/08/15	6.5	6.5: 1 – 80 multiples of 5
7/09/15	6.6, 6.7	6.6: 1 – 58 every 3 rd 6.7: 1 – 22 every 3 rd
Week #8		
7/13/15	Exam 3	
7/14/15	7.1, 7.2	7.1: 1 – 74 every 3 rd 7.2: 1 – 50 multiples of 5

DATE	SECTIONS	HOMEWORK
7/15/15	7.3	7.3: 1 – 46 every 3 rd
7/16/15	7.4	7.4: 1 – 27 ALL ODDS
Week #9		
7/20/15	7.5	4.3: 1 – 30 multiples of 5
7/21/15	8.1	8.1: 1 – 40 every 3 rd
7/22/15	8.2	8.2: 1 – 40 every 3 rd
7/23/15	8.3	8.3: 1 – 55 every 3 rd
Week #10		
7/27/15	8.4	8.4: 1 – 40 every 3 rd & 41
7/28/15	Exam 4	
7/29/15	Final Exam Review	
7/30/15	Final Exam	

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