Syllabus for: Pre-Algebra	
Semester & Year:	Spring 2014
Course ID and Section Number:	MATH 376 – 035417
Number of Credits/Units:	4
Day/Time:	M, W, F from 9:00am-10:15am
Location:	Room 114
Instructor's Name:	Diana Dominguez
Contact Information:	Office location and hours: by appointment
	Email: diana-dominguez@redwoods.edu

Course Description (catalog description as described in course outline): A comprehensive review of arithmetic involving whole numbers, fractions, decimals, and signed numbers. Students will solve problems involving ratios, proportions, percents and geometry. Basic algebra concepts and techniques such as variables, simplifying expressions, solving equations will also be introduced. Problem solving, estimation and the communication of mathematical ideas are an integral part of the course. Use of a scientific calculator will be introduced.

Student Learning Outcomes (as described in course outline):

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.
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/AP%205500%20Conduct%20Code%20final%2002-07-2012.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.

PREREQUISITES: MATH 372 OR APPROPRIATE SCORE ON MATH PLACEMENT EXAM.

Describe representative skills without which the student would be highly unlikely to succeed: Students will need to be proficient in basic arithmetic facts involving whole numbers.

Textbook: : College of the Redwoods Department of Mathematics; Title: Prealgebra Textbook, First Edition; Date 2010. The available modes will be discussed during class.

http://mathrev.redwoods.edu/PreAlgText/Prealgebra.pdf

Homework provides you with the practice necessary to reinforce the skills and processes discussed in class. Exam questions will be chosen to be similar in difficulty as those assigned from the homework. Therefore, it is to your advantage to complete every assignment. Homework problems to complete from the textbook will be announced in class. Homework will be collected every Monday at the beginning of class from the previous week's material. See the attached schedule of sections covered each week. Each week's homework packet will be graded out of 10 points. Homework will be spot checked for completeness and one randomly selected problem assigned from each section will be checked for accuracy; if improperly done, one point will be deducted from the homework packets value. Please write each original problem and show all work for full credit. Each student has two late homework opportunities.

Quizzes: In class quizzes will be given throughout the semester. There is no way to predict when a quiz will be given, therefore it is to your advantage to be in attendance the entire class time. No make-up quizzes will be given; the lowest quiz score will be dropped.

Classwork: During group work, you will be asked to work cooperatively with two, or three, of your classmates to solve a problem(s) that I will assign to you. No make-up classwork is available, however the lowest classwork score will be dropped.

Tests: There will be 4 midterm tests and a final in this class. See the attached handout for the dates. I do not give make-up exams. However, the score from the Final Exam can be used to replace a low or missing midterm exam score. Cheating is a very serious offence and anyone caught cheating will receive a grade of "F" for the course, and will be reported to the committee of academic honesty. I expect all problems to be worked out completely and legibly.

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

Homework	15%	A 93-100%	A- 90-92.9%	B+ 87-89.9%
Quizzes	10%	B 83-86.9%	B- 80-82.9%	C+ 77-79.9%
Class projects	10%	C 70-76.9%	D 60-69.9%	F 0-59.9%
Midterm 1	10%			
Midterm 2	10%			
Midterm 3	10%			
Midterm 4	10%			
Final Exam	25%			
Total	100%			

Grades will be updated after each exam. Please see me for your results.

Attendance: Attendance is essential for success, so please come, I want to see you!! In-class activities and quizzes cannot made-up, you can only earn your credit if you attend.

Mathematics Department Policy Regarding "Faculty Withdrawal" of Students after Census Day: A student who is absent from class for the amount of time equal to two weeks of classes, will be withdrawn from the course, unless there areextenuating circumstances that are communicated to the instructor in a timely manner. This "faculty withdrawal" can occur between Week 4 and Week 10 of the semester. Please do not assume that I have dropped you. Students who choose not to continue in the course are responsible for dropping. Failure to officially drop the course may result in an "F".

How to be successful in this course:

Take Responsibility: Your success in this course is dependent upon your choices. I recommend that you attend class every day and keep up with the homework; it is up to you to make this happen. **Getting Assistance:** If you're not understanding a concept, ask for help immediately. Don't' wait until the day before the exam. Your helpers should be coaches, not crutches. When you go to office hours, a study group or the Lab, bring your book, notes, and have a specific list of questions prepared in advance. You should run the session as much as possible. Poor question: "how do you do number 23?" Better question: "I'm having trouble setting up number 23, can you help me?" or "I tried number 23 but am not getting the correct answer. Can you help me find my mistake?" **Make the most of your time:** If you are done with your class work or quiz early, get a head start on your homework, or work on a summary or study guide for the lesson. When doing homework write out complete solutions. Don't just scribble a few lines and write down an answer. The more time you take doing your homework, the less time will be needed going back to review when you study for an exam.

There is a lot you can do to make this a successful experience. Let me know if you would like to hear more tips or suggestions.

MATH 376 Weekly Schedule
NOTE: This schedule is approximate and may be modified as the semester progresses.

Week	Topics
1 1/22 1/24	Section 1.1 An Introduction to Whole Numbers Section 1.2 Adding and Subtracting Whole Numbers Section 1.3 Multiplying and Division of Whole Numbers
2 1/27 1/29 1/31	Section 1.4 Prime Factorization Section 1.5 Order of Operations Section 1.6 Solving Equations by Addition and Subtraction Section 1.7 Solving Equations by Multiplication and Division Section 2.1 An Introduction to the Integers
3 2/3 2/5 2/7	Section 2.2 Adding Integers Section 2.3 Subtracting Integers Section 2.4 Multiplication and Division of Integers Section 2.5 Order of Operations with Integers
4 2/10 2/12 2/14 (No Class-Lincoln)	Section 2.6 Solving Equations Involving Integers Review for the Chapter 1 and 2 Exam Chapter 1 and 2 Exam
5 2/17 (No Class –Washington) 2/19 2/21	Section 3.1 Mathematical Expressions Section 3.2 Evaluating Algebraic Expressions Section 3.3 Simplifying Algebraic Expressions
6 2/24 2/26 2/28	Section 3.4 Combining Like Terms Section 3.5 Solving Equations Involving Integers II Section 3.6 Applications Section 4.1 Equivalent Fractions

	Week	Topics
	7	Section 4.2 Multiplying Fractions
3/3		Section 4.3 Dividing Fractions
3/5		Section 4.4 Adding and Subtracting Fractions
3/7		Section 4.5 Multiplying and Dividing Mixed Numbers
		Section 4.6 Adding and Subtracting Mixed Numbers
	8	Section 4.7 Order of Operations with Fractions
3/10		Section 4.8 Solving Equations with Fractions
3/12		Review for the Chapter 3 and 4 Exam
3/14		Chapter 3 and 4 Exam
Spring Break		Spring Break
	9	Section 5.1 Introduction to Decimals
3/24		Section 5.2 Adding and Subtracting Decimals
3/26		Section 5.3 Multiplying Decimals
3/28		Section 5.4 Dividing Decimals
	10	Section 5.5 Fractions and Decimals
3/31		Section 5.6 Equations with Decimals
4/2		Section 5.7 Introduction to Square Roots
4/4		Section 5.8 The Pythagorean Theorem
	11	Section 6.1 Introduction to Ratios and Rates
4/7		Section 6.2 Introduction to Proportion
4/9		Section 6.3 Unit Conversion: American System
4/11		Section 6.4 Unit Conversion: Metric System
	12	Section 6.5 American Units to Metric Units and Vice-Versa
4/14		Review Chapter 5 and 6 exam
4/16		Chapter 5 and 6 Exam
4/18		
	13	Section 7.1 Percent, Decimals, Fractions
4/21		Section 7.2 Solving Basic Percent Problems
4.23		Section 7.3 General Applications of Percent
4/25		Section 7.4 Percent Increase or Decrease
	14	Section 7.5 Interest
4/28		Section 7.6 Pie Charts
4/30		Section 8.1 The Cartesian Coordinate System
5/2		Section 8.2 Graphing Linear Equations
	15	Review Chapter 7, 8
5/5		Exam Chapter 7, 8
5/7		Review for Final Exam
5/9		
	16	Final Exam
5/12		