

## Syllabus

Math 210.03 CRN 01331, Winter 2016

**Instructor:** Ms. Rani Fischer, [fischerrani@fhda.edu](mailto:fischerrani@fhda.edu)

**Class Hours:** M-F, 8:30 -9:20 AM in Room G6

**Office Hours:** M-F 8 AM every day

**Textbook:** *Prealgebra*, 2nd ed., by College of the Redwoods Department of Mathematics, 2009

**What to bring every day:** textbook, Math 210 notebook, loose-leaf paper, pencils, two colored pens

**Class Rules:** Be considerate and respectful. No calculators or cell phones.

### Student Learning Outcome Statements (SLO)

- **Student Learning Outcome:** Demonstrate and apply a systematic and logical approach to solving arithmetic and geometric problems.
- **Student Learning Outcome:** Demonstrate and apply the knowledge and skills required to select the correct introductory formulas, procedures, and concepts from algebra and geometry and use them to solve problems.

### Course Objectives

- A. Develop, throughout the course as applicable, systematic problem solving methods
- B. Solve problems involving arithmetic operations, including fractions, percents and decimals
- C. Apply the order of operations to evaluate numerical expressions
- D. Solve problems involving operations with signed numbers
- E. Explore the characteristics and properties of real numbers
- F. Use estimation to determine approximate solutions and to check the reasonableness of answers
- G. Explore rates and ratios and use proportions to solve problems
- H. Explore, as applicable throughout the course, the geometry of mathematical measurements and solve problems involving geometric figures and formulas
- I. Explore the use of variables in expressions and evaluate algebraic expressions
- J. Solve linear equations in one variable numerically and algebraically
- K. Interpret linear relationships in two variables numerically, graphically using the Cartesian coordinate system, verbally and algebraically
- L. Explore the concept of function
- M. Investigate, throughout the course as applicable, how mathematics has developed as a human activity around the world

## GRADING:

**Homework:** HW will be collected. **LOOK AT THE SCHEDULE TO SEE WHETHER YOU HAVE HW DUE OR NOT. NO LATE HW ACCEPTED.** To receive full points for HW, you must have completed HW on the day it is due and show all the steps. If you give answers without any explanation as to how you got them, you will not receive full credit. Write me notes to ask me questions in the HW so that I can know where you are stuck. HW is graded 1-5 where 5 is a perfect score. I am grading HW on effort, not for correct answers. You check the odd answers in the back of the book and ask questions on paper or in class.

**Quizzes:** You will have a quiz every day at the beginning of class based on HW problems. No make-ups allowed.

**Tests:** There will be several tests and a Final Exam. Each test, in addition to covering the current material, will contain several problems from previous chapters to help you retain cumulative information. The tests will be closed books and closed notes. In exceptional circumstances, you may be allowed to take a test early. Any such arrangement must be made in advance, and you must have a serious reason for doing so.

### Grading:

Homework-20%	90-100% =A
Quizzes-20%	80-89% = B
Tests-30%	70-79% = C
Final Exam-30%	60-69% = D
	below 60% =F

### Course Grade:

A comprehensive cumulative final exam will be given at the end of the quarter (see schedule). Students must score a 60 or above on the final exam to pass the course.

**Educational Access:** For information/ questions about eligibility, support services or accommodations due to disability (physical or learning disability) see below. Also, please see instructor to discuss your situation.

Disability Support Service (DSS): Student Services Building  
(408) 864-8753; TTY (408) 864-8748

Educational Diagnostic Center (EDC): Learning Center  
West 110; (408) 864-8839

Special Education Division: 864-8407;  
[www.deanza.edu/speciale](http://www.deanza.edu/speciale)

