

# Pre-Algebra

Math 210 — CRN 01597  
ADM 102 — MTWRF 8:30-9:20  
Fall 2017



**Description** Use of basic arithmetic in application problems, estimation, the real number system, variables and linear equations, graphs of linear equations and the Cartesian coordinate system, the concept of function.

**Learning Outcomes** Upon completion of this course, students will be able to:

- Demonstrate and apply a systematic and logical approach to solving arithmetic and geometric problems.
- 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.

**Materials** Textbook, scientific calculator, pencil, eraser, and ruler.

**Textbook** Prealgebra Textbook (2 nd edition) by the College of the Redwoods Department of Mathematics. This text is available for free online at <http://mathrev.redwoods.edu/PreAlgText/> or may be purchased from the bookstore.

**Instructor** Mousa Rebouh – You may contact me via [rebouhmousa@fhda.edu](mailto:rebouhmousa@fhda.edu).

**Office hours** W 9:30 - 10:40 am in Resource Center S-43

**Homework** Students will complete exercises/quizzes via the MyOpenMath online platform.

**Attendance** Students who fail to attend the first class or do not participate in any activity during the first week of class will be considered no shows and will be dropped from the class. Students who miss three or more classes prior to October 6 will be dropped on October 6.

**Accommodations** Eligible students should notify Disability Support Services (DSS) located in the Registration and Student Services Building, RSS Room 141. You may call 408-864-8753. Students will make an appointment with me to discuss their approved accommodations as soon as possible.

**Integrity** Integrity of scholarship is essential for an academic community. This means that all academic work will be done by the individual to whom it is assigned.

<b>Important dates</b>	10/8	Last day to drop with a refund
	10/8	Last day to drop without a W
	11/17	Last day to withdraw
	12/13	Final Exam 7:00-9:00 a.m.

**Tests** There will be four tests and a final exam. All tests will contain material from the textbook, class lectures and homework assignments. Missing a test will earn you a score of zero.

**Grading** Students should keep up with the weekly homework assignments. Homework assignments will be due every Wednesday at 12:00 noon.

- 4 in-class tests worth 10 points each
- 1 final exam worth 40 points
- 5 online forum responses worth 2 points each
- 10 short quizzes worth 1 point each

**Course Objectives** Upon successful completion of this course, a student will be able to:

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