

Pre-Algebra (Mathematics 23)

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Office hour: Tu: 10:30am – 11:30am.

MWF: 8:40am - 8:55am, 11:50am - 12:10pm, 2:00pm - 2:45pm

Textbook and equipment:

- *PreAlgebra* by Alan S. Tussy and R. David Gustafson, 3rd edition.
- An arithmetic calculator may ONLY be used on text examples with a rectangle printed over the example number. Calculators are NOT allowed on any tests.

Prerequisite: Mathematics 10B with a minimum grade of C or qualification by testing (El Camino College Mathematics Placement Test) and assessment.

Catalog Description:

This course bridges the gap between arithmetic and formal algebra, developing number sense and operation sense, in order to formulate and solve algebraic equations with integers, fractions, and percents. Algebraic principles are applied to problems from a variety of fields. Other topics include: proportional reasoning, spatial reasoning, informal geometry and measurement, coordinate graphing, informational graphs, and data collection and description.

Course objectives:

1. Acquire effective study skills including the use of the calculator in appropriate situations.
2. Perform various operations (addition, subtraction, multiplication, division, and exponentiation) on different sets of numbers (whole, integer, and rational) and recognize equivalence when it occurs, particularly with fractions, decimals, and percents.
3. Formulate mathematical representations of real-world applications including the recognition of proportional relationships.
4. Estimate to determine the reasonableness of results.
5. Recognize and apply the concepts of variable, expression, and equation.
6. Solve linear equations.
7. Find perimeters, areas, and volumes of various geometrical shapes and use in applications.
8. Represent linear relationships with tables, graphs, and equations (coordinate graphing).
9. Read, interpret, and construct tables, charts, and graphs.

Final course grade: **NO make-up tests or final exam!**

There is a test for every two chapters. All tests are accumulative. The date of tests will be notified a week ahead of time. **The Date of final exam is Friday, June 8.**

Each test: 100; final exam: 200. **Total: 600.**

Grading scale: The grading scale for all tests and the final grade will be:

A (540—600), **B** (480—539), **C** (420—479), **D** (360—419), **F** (below 360).

Dropping a course: If you decide to drop the class, be sure to drop yourself. Do not depend on me to drop you. Simply go to the admissions office and fill out a drop slip. You do not need my permission to do this.

Grade report: Check your grade at myECC or Call (310) 516 9339.

Planner

Week	Monday	Wednesday	Friday
1	12-Feb	14-Feb	16-Feb
2	19-Feb Holiday	21-Feb	23-Feb
3	26-Feb	28-Feb	2-Mar
4	5-Mar	7-Mar	9-Mar
5	12-Mar	14-Mar	16-Mar
6	19-Mar	21-Mar	23-Mar
7	26-Mar	28-Mar	30-Mar
8	2-Apr	4-Apr	6-Apr
Spring Recess: April 7 --- April 13			
9	16-Apr	18-Apr	20-Apr
10	23-Apr	25-Apr	27-Apr
11	30-Apr	2-May	4-May
12	7-May	9-May	11-May
13	14-May	16-May	18-May
14	21-May	23-May	25-May
15	28-May Holiday	30-May	1-Jun
16	4-Jun	6-Jun	8-Jun Final Exam

Ground Rules: