Course: Prealgebra-Number Sense, Geometry MAT* K075 M02   **CRN:** 30342

Instructor: John Wengertsman
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Office Hours: Monday 3:30 to 4:30, Tuesday and Thursday 12:30 to 1:30

Prerequisites: Placement Test

Text: Prealgebra   5th Edition
      by K. Elayn Martin-Gay

Meeting Times: Monday and Wednesday from 2:00-3:15 PM
Room #: MOH 308

Course Description: This course focuses on basic arithmetic and prealgebra skills. Topics include whole numbers, fractions, decimal numbers, proportions, ratios, percents, perimeter, area, volume, applications, signed numbers, algebraic expressions and equations.

Course Objectives: The objective of this course is to enable the student to understand and effectively work with:
    1) whole numbers, integers, fractions, and decimal numbers;
    2) algebraic expressions and basic linear equations in one variable using the numbers listed in #1 above;
    3) ratios, proportions and proportion problems;
    4) percents and percent problems;
    5) geometric topics of area, perimeter, and volume.

Attendance: For the learning process to be effective, you are expected to attend each class regularly, to arrive on time, and to take exams on their assigned dates. If you miss a class, you are still responsible for the material covered, homework assigned, and any announcements. If you will be missing a class for an appropriate reason, please call or email me as soon as possible.

Withdrawal Policy: Students may withdraw, in writing at the Registrar's Office, for any reason up through Monday, December 15. No withdrawals will be accepted after Monday, December 15.

Homework: I expect all homework assignments to be completed and kept in an **organized** notebook or folder. Homework is assigned at each class meeting

Course Evaluation: There will be four tests (worth 19% each) and a cumulative final exam (worth 24%). You must come to class to take these tests. **In general, make-up of a missed test is not allowed.** Exceptions to this rule may be made for extraordinary circumstances (grade may be adjusted). Tests will be announced a week in advance.
  A 94-100; A- 90-93; B+ 87-89; B 83-86; B- 80-82 C+ 77-79; C 73-76; C- 70-72; D+ 67-69; D 63-66;
  D- 60-62; F below 60

Support Services: TASC is the college's free tutoring and academic success center. Sign up a tutor or drop in as needed to either the Mohegan (892-5745) or the Thames (885-2311) center located in the library at either campus. Peers and peer study groups are also good resources. Meeting with me is another option available.

Use of Calculators: Calculators are not allowed for any part of the course.

Academic Integrity Policy: Academic integrity is essential to a useful education. Failure to act with academic integrity severely limits a person's ability to succeed in the classroom and beyond. Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by the College. In this class and in the course of your academic career, present only your own best work; clearly document the sources of the material you use from others; and act at all times with honor. Please see the Three Rivers Community College catalog for the college's Academic Integrity Policy.

Disabilities Statement: Students with disabilities, who require special accommodations and support services, are encouraged to notify Chris Scarborough (892-5751)

Cellular Phones and Beepers: Cellular phones and beepers must be turned off during class. Phones are not to be answered during class. Please see me if extenuating circumstances should arise.

Inclement Weather: To obtain information on delays, changes, or class cancellations due to inclement weather or emergencies call 860 886-0177 or check your email.

Math 075 Course Content

1.7	Exponents and Order of Operations
1.8	Intro to Variables and Algebraic Expressions
2.1	Into to Integers
2.2	Adding Integers
2.3	Subtracting Integers
2.4	Multiplying and Dividing Integers
2.5	Order of Operations
2.6	Solving Equations: The Addition and Multiplication Property

TEST 1

3.1	Simplifying Algebraic Expressions
3.2	Solving Equations: Review of the Addition and Multiplication Property
3.3	Solving Linear Equations in One Variable
3.4	Linear Equations in One Variable and Problem Solving

TEST 2

4.1	Intro to Fractions and Equivalent Fractions
4.2	Factors and Simplest Form
4.3	Multiplying and Dividing Fractions
4.4	Adding and Subtracting Like Fractions and Least Common Denominator
4.5	Adding and Subtracting Unlike Fractions
4.6	Complex Fractions and Review of Order of Operations
4.7	Operations on Mixed Numbers
4.8	Solving Equations Containing Fractions

TEST 3

5.1	Intro to Decimals
5.2	Adding and Subtracting Decimals
5.3	Multiplying Decimals and Circumference of a Circle
5.4	Dividing Decimals
5.5	Fractions, Decimals and Order of Operations
5.6	Equations Containing Decimals
6.1	Ratios and Rates
6.2	Proportions
6.3	Proportions and Problem Solving
6.4	Square Roots and Pythagorean Theorem

TEST 4

7.1	Percents, Decimals, and Fractions
7.2	Solving Percent Problems with Equations
7.3	Solving Percent Problems with Proportions
7.4	Applications of Percent
7.5	Percent and Problem Solving: Sales Tax, Commission, and Discount
7.6	Percent and Problem Solving: Interest
9.3	Perimeter
9.4	Area and Volume

FINAL EXAM - CUMULATIVE