SECTION HEADING

MATH 0092: Essentials of Mathematics-Pre Algebra

Description

Essentials of Mathematics - Pre-Algebra assists students in developing a thorough understanding of basic mathematics. Intuition and sound mathematical techniques are used to analyze and solve problems in fractions, decimals, ratios, proportions and percentages. Metric geometry is also covered and an introduction to algebra. This is NOT considered a transfer course.

Credits

2

Prerequisite

Placement by multiple measures

Corequisite

None

Topics to be Covered

1. Whole Numbers

2. Fraction Notation: Multiplication and Division

3. Fraction Notation and Mixed Numbers

4. Decimal Notation

5. Ratio and Proportion

6. Percent Notation

7. Data, Graphs and Statistics

8. Measurement

9. Geometry

10. Real Numbers

11. Algebra: Solving Equations and Problems

Learning Outcomes

1. Use arithmetic skills on rational numbers effectively.

2. Use estimation skills for their computations.

3. Solve simple algebraic equations and use them to solve problems.

4. Use geometric measures and statistical calculations to describe real-world problem-solving situations.

5. Develop a mathematical problem-solving approach.

6. Explain verbally and in writing steps and solutions to mathematical situations.

Credit Details

Lecture: 2

Lab: 0

OJT: 0

MnTC Goal Area(s): None