J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number:  MDE 10  Credits: 3

Course Title:  Introduction to Algebra

Course Description:  Covers topics in arithmetic through introduction to variables and equations. Prepares students for enrollment into MDE 60, MTH 101-133, or direct enrollment into MTH 154 or MTH 155 with co-requisite. Lecture 3 hours.

General Course Purpose:  Prepares students for enrollment into MDE 60, MTH 101-133, or direct enrollment into MTH 154 or MTH 155 with co-requisite.

Course Prerequisites and Co-requisites:  None

Student Learning Outcomes:  
Upon completing the course, the student will be able to
a. Demonstrate comprehension of the major topics; and
b. Apply learned concepts and success skills toward continued progress in MDE 60, MTH 101-133, or direct enrollment in MTH 154 or MTH 155 with co-requisite

Major Topics to Be Included:
  a. Whole numbers (addition, subtraction, multiplication, division)
  b. Fractions (addition, subtraction, multiplication, division)
  c. Decimals (addition, subtraction, multiplication, division)
  d. Scientific notation
  e. Percentages (addition, subtraction, multiplication, division)
  f. Real Number Systems
  g. Basic Algebraic Equations (One-Step/Two-Step equations)
  h. Introduction to Graphing (without graphing calculators)

Date Created/Updated (Month, Day, and Year):  November 15, 2019