

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
MDE 10 – INTRODUCTION TO ALGEBRA (3 CR.)

Course Description

Covers topics in arithmetic through introduction to variables and equations.
Lecture 3 hours. Total 3 hours per week.

General Course Purpose

Prepares students for enrollment into MDE 60, MTH 101-133 or direct enrollment into MTH 154 or MTH 155 with corequisite.

Course Prerequisites/Corequisites

None.

Course Objectives

- Demonstrate comprehension of the major topics.
- 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 corequisite.

Major Topics to be Included

- Whole numbers (addition, subtraction, multiplication, division)
- Fractions (addition, subtraction, multiplication, division)
- Decimals (addition, subtraction, multiplication, division)
- Scientific notation
- Percentages (addition, subtraction, multiplication, division)
- Real Number Systems
- Basic Algebraic Equations (One-Step/Two-Step equations)
- Introduction to Graphing (without graphing calculators)