J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: <u>MDE 60</u>   Credits: <u>3</u>

Course Title: <u>Intermediate Algebra</u>

Course Description:

Covers topics in algebra. Prepares students for enrollment into MTH 161 with co-requisite.
Lecture 3 hours.

General Course Purpose:

Prepares students for enrollment into MTH 161 with co-requisite

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:
Upon completing the course, the student will be able to

- Demonstrate comprehension of the major topics; and
- Apply learned concepts and success skills toward continued progress in MTH 161 with co-requisite.

Major Topics to Be Included:

- Properties of exponents
- Polynomials
- Factoring
- Solving quadratics and Pythagorean theorem
- Complex numbers
- Graphing (lines and quadratics)
- Linear equations and inequalities
- Linear systems
- Functions
- Rational expressions and equations
- Radical expressions and equations