COURSE NUMBER/TITLE: MATH-110 [355-110] Intermediate Algebra

CREDITS: 4

COURSE DESCRIPTION: Basic algebraic skills: factoring, exponents, rational expressions, linear equations and inequalities, systems of equations, quadratic equations, and an introduction to functions. Prerequisite: MATH-010 or one year of high school algebra and demonstrated proficiency on math placement test. (This course will not satisfy programmatic math or general education requirements.)

Previous:
Intermediate Algebra, 5th Ed., by Martin-Gay (adopted F08)
Intermediate Algebra, 4th Ed., by Martin-Gay (adopted F04)
Intermediate Algebra, 6th Ed., by McKeague (adopted F00)
(Used 5th Ed. F95-S00)

COURSE OBJECTIVES:
As a result of completing this course students will:
1. have developed competence in basic algebraic skills and procedures.
2. have understood the use of algebraic equations in applications and problem-solving.
3. be prepared to succeed in College Math I, Finite Math and more advanced courses.

COURSE OUTLINE:
1. Operations and Properties of the Real Numbers
2. First Degree Equations and Inequalities and Applications
3. Systems of Equations in Two Unknowns and Applications
4. Polynomials and Factoring
5. Rational Expressions and Operations
6. Rational Exponents and Radicals
7. Quadratic Equations and Applications
8. Equations and Inequalities Involving Absolute Value
9. Introduction to Functions and Graphs