

SYLLABUS
PART I
EDISON COMMUNITY COLLEGE
MTH 098D INTERMEDIATE ALGEBRA I
3 CREDIT HOURS

COURSE DESCRIPTION

Second in a sequence of three algebra courses. Topics include: systems of equations; exponents; operations on polynomials; factoring. Intended for students with good arithmetic skills and some knowledge of algebra. Prerequisite: Satisfactory math assessment score and one year of high school algebra or a grade of C or better in MTH 097D. Co-requisite or prerequisite: GEN 101S. NOTE: Credits earned in this course do not count toward degree requirements. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Gen Ed Outcomes
3	1. Solve a system of linear equations in two variables algebraically and graphically.	1, 3
3	2. Solve application problems involving systems of equations in two variables.	1, 3
3	3. Use the properties of integer exponents to simplify algebraic expressions.	1, 3
3	4. Add, subtract, multiply, and divide polynomial expressions.	1, 3
3	5. Factor the greatest common factor from a polynomial.	1, 3
3	6. Factor trinomials.	1, 3
3	7. Use factoring to solve quadratic equations.	1, 3
3	8. Use factoring to solve application problems.	1, 3
3	9. Reduce rational expressions to lowest terms.	1, 3
3	10. Add, subtract, multiply, and divide rational expressions.	1, 3
3	11. Solve equations that contain rational expressions.	1, 3
3	12. Simplify complex fractions.	1, 3

CORE VALUES

The Core Values are a set of principles which guide in creating educational programs and environments at Edison. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce these Core Values whenever appropriate.

TOPIC OUTLINE

1. Exponents and Polynomials
2. Factoring Polynomials
3. Systems of Equations