

SYLLABUS
PART I
EDISON COMMUNITY COLLEGE
MTH 097D BEGINNING ALGEBRA
3 CREDIT HOURS

COURSE DESCRIPTION

First in a sequence of three algebra courses. Topics include: operations with real numbers; linear equations in one and two variables; graphing linear equations. Designed for students with good arithmetic skills, but little or no high school algebra. Prerequisite: Satisfactory math assessment or a grade of “C” or better in MTH 092D or MTH 115S. Prerequisite or co-requisite: 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. Add, subtract, multiply and divide real numbers.	1, 3
3	2. Use the distributive property to simplify algebraic expressions.	1, 3
3	3. Solve linear equations and inequalities in one variable.	1, 3
3	4. Use linear equations and inequalities to solve application problems.	1, 3
3	5. Locate points in the Cartesian coordinate system.	1, 3
3	6. Graph and interpret linear equations and inequalities in the Cartesian plane.	1, 3
2	7. Interpret slope as a rate of change.	1, 3
3	8. Formulate equations of lines in slope-intercept form given (a) the slope and a point on the line, or (b) two points on the line.	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. Real Numbers
2. Linear Equations and Inequalities in One Variable
3. Linear Equations and Inequalities in Two Variables