

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
MTH 094D QUANTITATIVE REASONING PLUS  
2 CREDIT HOURS

**COURSE DESCRIPTION**

Co-requisite course that can be taken only when paired with MTH 120S. It is designed to give students the math skills necessary to complete MTH 120S. Prerequisite: Satisfactory math assessment score. Co-requisite: MTH 120S. NOTE: Credits earned in this course do not count toward degree requirements.

**COURSE GOALS**

The student will:

Bloom's Level		Gen Ed Outcomes
3	1. Use proper order of operations necessary to evaluate equations.	1, 3
3	2. Round decimal values to a specified place value based on proper rounding rules.	1, 3
2	3. Add, subtract, multiply and divide fractions, decimals, and percentages in context of the applications.	1, 3
2	4. Convert between fractions, decimal values and percentages.	1, 3
2	5. Interpret slope as a constant rate of change in context of the applications.	1, 3
4	6. Formulate linear equations in context of the applications.	1, 3
3	7. Develop critical reading skills required for proper evaluation of Information given in word problems rooted in real-world applications.	1, 3
3	8. Develop mathematical maturity imperative to grasping complex mathematical concepts.	1, 3

**CORE VALUES**

The Core Values are a set of principles that guide in creating educational programs and environments at Edison State. 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 those Core Values whenever appropriate.

**TOPIC OUTLINE**

1. Order of Operations
2. Rounding Rules
3. Fractions
4. Linear Equations and Slope in One and Two Variables
5. Critical Reading