

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
MTH 095D STATISTICS PLUS  
2 CREDIT HOURS

**COURSE DESCRIPTION**

Co-requisite course that can be taken only when paired with MTH 125S. It is designed to give students the basic math skills necessary to complete MTH 125S. Prerequisite: Satisfactory math assessment or a grade of “C” or better in MTH 093D. Co-requisite: MTH 125S. 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 statistical equations.	1, 3
3	2. Round decimal values to a specified place value based on statistical rounding rules.	1, 3
2	3. Add, subtract, multiply, and divide fractions in the context of probability.	1, 3
2	4. Convert between fractions, decimal values, and percentages.	1, 3
2	5. Interpret slope as marginal change in a regression analysis.	1, 3
3	6. Use linear equations to calculate residual error.	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 statistical 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
5. Critical Reading