MATH 111 : Finite Mathematics

Credits 5
Quarter Offered Fall
The study of linear, quadratic, rational, exponential, and logarithmic functions, and solving their related equations; systems of equations; matrices; linear programming (graphically); and the mathematics of finance. This class may include students from multiple sections. (Quantitative Skills, Natural Sciences, Elective)
Prerequisites
P in MATH 90 or equivalent
Course Outcomes

Use function notation and terminology.

Evaluate, interpret, and perform basic function operations on linear, quadratic, rational, exponential, and logarithmic functions.

Solve linear, quadratic, rational, exponential, and logarithmic equations using symbolic and graphical techniques.

Determine, solve, and interpret financial calculations related to compound interest, annuities, and loans.

Solve systems of linear equations in two variables.

Construct and interpret matrices; solve systems of equations using matrices; and perform basic matrix operations.

Solve linear programming problems graphically.