

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 90/91](#) 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.