

MATH& 141 : Precalculus I

Credits 5

Quarter Offered Fall, Winter

Analysis of linear, piecewise, quadratic, polynomial, rational, inverse, exponential, and logarithmic functions; their applications; and their graphs. This class may include students from multiple sections. (Quantitative Skills, Natural Sciences, Elective)

Prerequisites

P in [MATH 98/99](#) or [MATH& 148](#) or equivalent

Course Outcomes

Students who successfully complete this class should be able to:

- Demonstrate the use of function notation and terminology.

- Perform function arithmetic and composition.

- Analyze the graphical behavior of functions, including transformations.

- Find real and complex zeros of polynomials.

- Evaluate, graph, and identify important properties of linear, piecewise, quadratic, polynomial, rational, inverse, exponential, and logarithmic functions.

- Solve equations, inequalities and application problems related to the functions stated above.