

MATH 82X : Expanded Algebraic Foundations

Credits: 5

Class Hours: 5 lecture

Prerequisites: Appropriate math placement.

Description: This covers elementary algebra topics. Topics include linear equations and inequalities, graphing, linear systems, properties of exponents, operations on polynomials, factoring, rational and radical expressions and equations, quadratic equations, and applications. Additional topics may include graphing by transformation, introduction to logarithms and functions, and dimensional analysis.

Semester Offered: Fall, Spring

Course Student Learning Outcomes (CSLOs):

1. Use algebraic techniques to analyze and solve applied problems.
2. Solve equations, inequalities, and systems of equations.
3. Graph linear and quadratic equations.