

Sandy Freriks
Course Outline
Math 1314 College Algebra

Topic 1	Review of Fundamental Concepts of Algebra 1
Topic 2	Linear Equations and Rational Equations
Topic 3	Models and Applications
Topic 4	Complex Numbers
Topic 5	Quadratic Equations
Topic 6	Other Types of Equations
Topic 7	Linear Inequalities and Absolute Value Inequalities
Topic 8	Basic Functions and Their Graphs
Topic 9	Transformations of Functions
Topic 10	Combinations of Functions; Composite Functions
Topic 11	Inverse Functions
Topic 12	Quadratic Functions and Their Graphs
Topic 13	Polynomial Functions and Their Graphs
Topic 14	Dividing Polynomials; Remainder and Factor Theorems
Topic 15	Zeros of Polynomial Functions
Topic 16	Exponential Functions
Topic 17	Logarithmic Functions
Topic 18	Properties of Logarithms
Topic 19	Exponential and Logarithmic Equations
Topic 20	Systems of Linear Equations in 2 variables
Topic 21	Systems of Linear Equation in 3 variables
Topic 22	Matrix Solutions to Linear Systems
Topic 23	Matrix Operations
Topic 24	Multiplicative Inverses of Matrices & Matrix Equations
Topic 25	Determinants and Cramer's Rule