

Course Schedule: Below is a week-by-week breakdown of course coverage. Schedule is subject to change and email notice will be given if that happens.

Week	Dates	Coverage
1	May 26 – June 1	<i>Memorial Day</i> <i>Course Intro (via email)</i> 2.2 - Functions and Graphs 2.3 - Finding Domain and Range 2.4 - The Algebra of Functions 2.5 - Linear Functions: Graphs and Slope 2.6 - More on Graphing Linear Equations 2.7 - Finding Equations of Lines; Applications 3.7 - Systems of Inequalities and Linear Programming 5.4 - Complex Rational Expressions
2	June 2 – 8	5.5 - Solving Rational Equations <i>Exam #1 (Section 2.2 through Section 5.5)</i> 6.1 - Radical Expressions and Functions 6.6 - Solving Radical Equations 6.8 - Increasing, Decreasing, and Piecewise Functions; Applications 7.2 - Transformations 7.3 - The Complex Numbers 7.4 - Quadratic Equations, Functions, Zeros, and Models
3	June 9 – 15	7.5 - Analyzing Graphs of Quadratic Functions 8.1 - Polynomial Functions and Models 8.2 - Graphing Polynomial Functions 8.3 - Polynomial Division; The Remainder Theorem and the Factor Theorem 8.4 - Theorems about Zeros of Polynomial Functions <i>Exam #2 (Section 6.1 through Section 8.4)</i> 8.5 - Rational Functions 8.6 - Polynomial Inequalities and Rational Inequalities 9.1 - The Composition of Functions
4	June 16 – 22	9.2 - Inverse Functions 9.3 - Exponential Functions and Graphs 9.4 - Logarithmic Functions and Graphs 9.5 - Properties of Logarithmic Functions 9.6 - Solving Exponential Equations and Logarithmic Equations 9.7 - Applications and Models: Growth and Decay; Compound Interest 10.1 - Matrices and Systems of Equations
5	June 23 – 26	<i>Exam #3 (Section 8.5 through Section 10.1)</i> <i>Final Exam – taken by Thursday, June 26</i>