

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

Week	Dates	Coverage
1	Oct 20 – 22	<i>Course Intro (via email)</i> 2.2 - Functions and Graphs 2.3 - Finding Domain and Range 2.4 - The Algebra of Functions
2	Oct 25 – 29	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
3	Nov 1 – 5	5.5 - Solving Rational Equations 6.1 - Radical Expressions and Functions 6.6 - Solving Radical Equations 6.8 - Increasing, Decreasing, and Piecewise Functions; Applications 7.2 - Transformations
4	Nov 8 – 12	<i>Exam #1 (Section 2.2 through Section 7.2)</i> 7.3 - The Complex Numbers 7.4 - Quadratic Equations, Functions, Zeros, and Models
5	Nov 15 – 19	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 8.5 - Rational Functions
6	Nov 22 – 26	8.6 - Polynomial Inequalities and Rational Inequalities 9.1 - The Composition of Functions 9.2 - Inverse Functions <i>Thanksgiving Break</i>
7	Nov 29 – Dec 3	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
	Dec 6 – 10	10.1 - Matrices and Systems of Equations <i>Exam #2 (Section 7.3 through Section 10.1)</i>
8	Dec 13 – 17 Finals Week	Final Exam – taken using ProctorU by Thursday, December 16.