

# Course Outline

## Math 143 EN – Fall 2017

### Class 1 – Monday, August 28

Lecture: [Simplifying Algebraic Expressions](#), [Review of Equations](#), [Fractions and Decimals](#),  
[Real Numbers - Part 1](#)

### Class 2 – Wednesday, August 30

Lecture: [Factoring A](#), [Completing the Square 1, 2, 3](#), [Factoring 1](#)  
Also posted: [Graphing Lines](#), [Exponents 1](#), [Quiz 2 Review](#)

### Class 3 – Wednesday, September 6

Lecture: [The nth Root of a Number](#), [Radical Expressions](#), [Completing the Square - part 4](#)  
Also posted: [Quiz 4 Review](#), Systems of equations [by substitution](#), [by elimination](#), [Linear Word Problems](#)

### Class 4 – Monday, September 11

Lecture: [Introduction to Construction](#), [Triangle Inequality](#), [The Pythagorean Theorem](#),  
[The Smallest Value of a Quadratic Expression](#), [Graph of a Parabola 1](#), [Inequality and Interval Notation](#)

### Class 5 – Wednesday, September 13

Lecture: [Graphical Solutions](#), [Integer Exponents](#), [Complex Fractions](#), [The Real Number System](#)  
Also posted: [Quiz 6 Review](#), [Linear Inequalities](#)

### Class 6 – Monday, September 18

Lecture: [Graph of a Parabola - Part 2](#), [Similar Triangles](#), [Introduction to Combinatorics](#)

### Class 7 – Wednesday, September 20

Lecture: [Optimization 1](#), [Quadratic Inequalities](#)  
Also posted: [Exam 1 Information](#), [Exam 1 Review](#)