MA 15300 Fall 2015 Schedule

Exam 1: Lessons 1 – 13 ; Exam 2: Lessons 14 – 23 ; Exam 3: Lessons 24 – 32

Monday	Wednesday	Friday
8/24 Introduction	8/26 Exponents (Lesson 1)	8/28 Radical Notation Fractional Exponents (Lesson 2)
8/31 Simplifying Radicals Rationalizing Denominators (Lesson 3)	9/2 Polynomials (Lesson 4)	9/4 Factoring and GCF Factoring by Grouping and ac-method (Lesson 5)
9/7 NO CLASSES	9/9 Factoring using Formulas Steps for Factoring (Lesson 6)	9/11 Rational Expressions (Simplifying, Multiplying, and Dividing) (Lesson 7)
9/14 Rational Expressions (Adding and Subtracting) Rationalizing Numerators or Denominators (Lesson 8)	9/16 Complex Fractions (Lesson 9)	9/18 Linear and Rational Equations (Lesson 10)
9/21 Linear and Rational Formulas (Lesson 11)	9/23 Applications of Linear and Rational Equations (Lesson 12)	9/25 Quadratic Equations (Zero Factor Theorem, Solve by Factoring, Solve by Extracting Roots) (Lesson 13)
9/28 Review for Exam #1 In-class **Exam #1 at 6:30pm**	9/30 Quadratic Equations (Solve by Completing the Square and Quadratic Formula, Solving Formulas) (Lesson 14)	10/2 Applications of Quadratic Equations (Lesson 15)
10/5 Other Types of Equations (Lesson 16)	10/7 Rectangular Coordinate System Finding Slope Algebraically and Graphically, Finding the Equation of a Line Algebraically and Graphically (Lesson 17)	10/9 Lines (all remaining topics) (Lesson 18)

10/12 NO CLASSES	10/14 Functions and Function Notation, Finding Function Values Algebraically (Lesson 19)	10/16 Difference Quotient Graphing Functions (Lesson 20)
10/19 Linear Functions (Lesson 21)	10/21 Transformations (Vertical and Horizontal Shifts, Stretching, Compressing, and Reflecting), Transforming a Graph (Lesson 22)	10/23 Transformations (all remaining topics) (Lesson 23)
10/26 Review for Exam #2 In-class **Exam #2 at 6:30pm**	10/28 Quadratic Functions and Parabolas, The Vertex, Finding Quad. Func. Algebraically (Lesson 24)	10/30 Quadratic Functions (all remaining topics) (Lesson 25)
11/2 Piecewise-defined Functions and Function Values, Graphing Piecewise Functions, Information about their graphs (Lesson 26)	11/4 Applications of Piecewise-defined Functions (Lesson 27)	11/6 One-to-One Functions, Inverse Functions (Lesson 28)
11/9 Domain and Range of Inverse Functions, Checking Inverse Functions (Lesson 29)	11/11 Exponential Functions and their graphs (Lesson 30)	11/13 Natural Exponential Functions, Finding an Exponential Function Algebraically, Compound Interest Formulas (Lesson 31)
11/16 Logarithmic Functions and their graphs (Lesson 32)	11/18 Review for Exam #3 In-class **Exam #3 at 8:00pm**	11/20 Common and Natural Logarithmic Functions and their graphs (Lesson 33)
11/23 Logarithmic Equations (Lesson 34)	11/25 NO CLASSES	11/27 NO CLASSES
11/30 Exponential Equations (Lesson 35)	12/2 Systems of Equations (Lesson 36)	12/4 Applications of Systems of Equations (Lesson 37)
12/7 Variation (Lesson 38)	12/9 **REVIEW**	12/11 **REVIEW**
12/14 **----------**	**12/16** **EXAMS**	**12/18** **----------**