MA 15300 Spring 2025 Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
1/13 Introduction	1/14	1/15 Exponents and the Product, Quotient, and Power Rules (Lesson 1)	1/16	1/17 Product to a Power and Quotient to a Power Rules, Exponent of Zero and Negative Exponents (Lesson 2)
1/20 **MLK DAY** **NO CLASSES**	1/21	1/22 Radical Notation, Fractional Exponents (Lesson 3)	1/23	1/24 Simplifying Radicals, Rationalizing Denominators (Lesson 4)
1/27 Polynomials (Lesson 5)	1/28	1/29 IN-CLASS REVIEW FOR EXAM #1	1/30 **EXAM #1**	1/31 Factoring and GCF, Factoring by Grouping and ac-method (Lesson 6)
2/3 Factoring using Formulas, Steps for Factoring, Simplifying Rational Expressions Part 1 (Lesson 7)	2/4	2/5 Simplifying Rational Expressions Part 2, Multiplying Rational Expressions, Dividing Rational Expressions (Lesson 8)	2/6	2/7 Adding and Subtracting Rational Expressions, Complex Fractions (Lesson 9)
2/10 Linear Equations, Linear Formulas, Applications of Linear Equations (Lesson 10)	2/11	2/12 IN-CLASS REVIEW FOR EXAM #2	2/13 **EXAM #2**	2/14 Rational Equations, Rational Formulas, Applications of Rational Equations (Lesson 11)

Monday	Tuesday	Wednesday	Thursday	Friday
2/17 Quadratic Equations and the Zero Factor Theorem, Factoring, Extracting Roots, Formulas (Lesson 12)	2/18	2/19 Solving Quadratic Equations by Completing the Square, Applications (Lesson 13)	2/20	2/21 Solving Quadratic Equations using the Quadratic Formula and Rational Quadratic Equations, Applications (Lesson 14)
2/24 Polynomial Equations, Radical Equations, Equations with Fractional Exponents (Lesson 15)	2/25	2/26 IN-CLASS REVIEW FOR EXAM #3	2/27 **EXAM #3**	2/28 Rectangular Coordinate System, Finding Slope Algebraically, Finding Slope Graphically, Equations of Lines Algebraically, Equations of Lines Graphically (Lesson 16)
3/3 Lines (all remaining topics) (Lesson 17)	3/4	3/5 Functions, Function Notation, and Domain of a Function, Finding Function Values Algebraically (Numeric) (Lesson 18)	3/6	3/7 Finding Function Values Algebraically (Expressions), Difference Quotients, Graphing Functions (Lesson 19)
3/10 Linear Functions and Applications (Lesson 20)	3/11	3/12 Transformations: Vertical Shifts, Horizontal Shifts, Vertical Stretching and Compressing, Horizontal Stretching and Compressing, Reflecting (Lesson 21)	3/13	3/14 Transformations (all remaining topics) (Lesson 22)
3/17 **SPRING BREAK NO CLASSES**	3/18 **SPRING BREAK NO CLASSES**	3/19 **SPRING BREAK NO CLASSES**	3/20 **SPRING BREAK NO CLASSES**	3/21 **SPRING BREAK NO CLASSES**

Monday	Tuesday	Wednesday	Thursday	Friday
3/24 IN-CLASS REVIEW FOR EXAM #4	3/25 **EXAM #4**	3/26 Quadratic Functions and Parabolas, The Vertex, Finding Quad. Func. Algebraically (Lesson 23)	3/27	3/28 Quadratic Functions (all remaining topics) (Lesson 24)
3/31 Piecewise-defined Functions and Function Values, Graphing Piecewise Functions, Information about their graphs (Lesson 25)	4/1	4/2 Applications of Piecewise-defined Functions (Lesson 26)	4/3	4/4 One-to-One Functions, Inverse Functions (Lesson 27)
4/7 IN-CLASS REVIEW FOR EXAM #5	4/8 **EXAM #5**	4/9 Domain and Range of Inverse Functions, Checking Inverse Functions (Lesson 28)	4/10	4/11 Exponential Functions, Graphs of Exponential Functions, Formula for Interest Compounded n times per Year (Lesson 29)
4/14 Natural Exponential Functions and their graphs, Finding an Exponential Function Algebraically, Formula for Interest Compounded Continuously (Lesson 30)	4/15	4/16 Logarithmic Functions, Graphs of Logarithmic Functions (Lesson 31)	4/17	4/18 Common and Natural Logarithmic Functions, Graphs of Common and Natural Log Functions, Inverse of Exp./Log. Functions (Lesson 32)
4/21 IN-CLASS REVIEW FOR EXAM #6	4/22 **EXAM #6**	4/23 Logarithmic Equations (Lesson 33)	4/24	4/25 Exponential Equations (Lesson 34)

4/28 Solving Systems of Equations using Substitution and Applications (Lesson 35)	4/29	4/30 Solving Systems of Equations using Elimination and Applications (Lesson 36)	5/1	5/2 IN-CLASS REVIEW FOR FINAL EXAM
5/5 FINAL EXAMS WEEK	5/6	5/7 FINAL EXAMS WEEK	5/8	5/9 FINAL EXAMS WEEK