Math 114 Intermediate Algebra

Textbook: Woodbury Intermediate Algebra a STEM Approach 1st Edition

The following sections should be covered:

Section	Title	Notes
R1	Integers, Opposites, and Absolute Value	Absolute Value only
1.5	Absolute Value Equations	
1.6	Linear Inequalities	Particularly compound inequalities
1.7	Absolute Value Inequalities	
4.1	Exponents	
4.2	Negative Exponents; Scientific Notation	
5.1	Rational Expressions and Functions	
5.2	Multiplication and Division of Rational Expressions	
5.3	Addition and Subtraction of Rational Expressions	
5.4	Complex Fractions	
5.5	Rational Equations	
5.6	Applications of Rational Equations	Select desired applications
6.1	Square Roots; Radical Notation	
6.2	Radical Expressions	
6.3	Simplifying, Adding, and Subtracting Radical Expressions	
6.4	Multiplying and Dividing Radical Expressions	
6.5	Radical Equations and Applications of Radical Equations	Select desired applications
8.1	The Algebra of Functions	Only composition is needed (to be used in 8.2)
8.2	Inverse Functions	
8.3	Exponential Functions	
8.4	Logarithmic Functions	
8.5	Properties of Logarithms	
8.6	Exponential and Logarithmic Equations	
8.7	Applications of Exponential and Logarithmic Functions	Select desired applications
8.8	Graphing Exponential and Logarithmic Functions	
9.2	Circles	Distance formula and equations of circles only. Midpoint formula and completing the square not required.
10.1	Sequences and Series	
10.3	Geometric Sequences and Series	Infinite geometric series are optional