

SPRING WEEKLY SCHEDULE

PreCalculus by Ron Larson, Tenth Edition

Week	Topics	Sections
Week 1	Exponents and Radicals – via video Factoring – via video Rectangular Coordinates Linear Equations in Two Variables	A.2 A.3 1.1 1.3
Week 2	Linear Inequalities in One Variable Rational Expressions Complex Numbers Solving Equations	A.6 A.4 2.4 A.5
Week 3	Functions A Library of Parent Functions Transformations of Functions	1.4 1.6 1.7
Week 4	Analyzing Graphs of Functions Quadratic Functions and Models Exam 1 (Material through 1.5)	1.5 2.1
Week 5	Polynomials Functions of Higher Degree Polynomial Long Division Rational Functions	2.2 2.3 2.6
Week 6	Nonlinear Inequalities Combinations of Functions: Composite Functions Inverse Functions Exponential Functions and Their Graphs	2.7 1.8 1.9 3.1
Week 7	Logarithmic Functions and Their Graphs Properties of Logarithms Exponential and Logarithmic Equations	3.2 3.3 3.4
Week 8	Exponential and Logarithmic Models Exam 2 (Material through 3.5)	3.5
Week 9	Radian and Degree Measure Trigonometric Functions: The Unit Circle Right Triangle Trigonometry Trigonometric Functions of Any Angle	4.1 4.2 4.3 4.4
Week 10	Graphs of Sine and Cosine Functions Graphs of Other Trigonometric Functions Inverse Trigonometric Functions	4.5 4.6 4.7
Week 11	Using Fundamental Identities Verifying Trigonometric Identities Solving Trigonometric Equations Sum and Difference Formulas	5.1 5.2 5.3 5.4
Week 12	Multiple-Angle Formulas Law of Sines Law of Cosines	5.5 6.1 6.2
Week 13	Exam 3 (Material through 5.5) Vectors in the Plane Vectors and Dot Products	6.3 6.4
Week 14	Difference Quotient Linear and Nonlinear Systems of Equations Two-Variable Linear Systems	7.1 7.2
Week 15	Final Exams	