

Weekly Schedule (Math F151X) – Fall 2025 (UAF)

Week #	Dates	Material Covered and Exam Schedule
1	8/25–8/29	Welcome/Introduction/Course Introduction Brief review: Real Numbers and Algebraic Expressions, Properties of Exponents and Radicals, Rational Expressions, Linear Equations in One Variable, Linear Inequalities in One Variable, Polynomial and Polynomial – Like Equations, Rational and Radical Equations Section 1.1: Coordinates and Graphs (1.1.1 – 1.1.10)
2	9/1–9/5	Section 1.2: Lines (1.2.1 – 1.2.6, 1.2.8, 1.2.9) Section 1.4: Functions (1.4.1 – 1.4.4)
3	9/8–9/12	Section 1.4: Functions (1.4.5 – 1.4.7) Section 1.5: Graphs of Functions (1.5.1 – 1.5.4)
4	9/15–9/19	Section 1.5: Graphs of Functions (1.5.5 – 1.5.10) Exam 1: Friday
5	9/22–9/26	Section 1.7: Combining Functions (1.7.1 – 1.7.6) Section 1.6: Transformations of Functions (1.6.1 – 1.6.4)
6	9/29–10/3	Section 1.8: Inverse Functions (1.8.1 – 1.8.5) Section 2.1: Quadratic Functions (2.1.1 – 2.1.9)
7	10/6–10/10	Section 2.2: Polynomial Functions (2.2.1 – 2.2.5) Section 2.3: Dividing Polynomials (2.3.1, 2.3.3, 2.3.4)
8	10/13–10/17	Section 2.4: Real Zeros (2.4.1 – 2.4.5) Section 2.5: Complex and the Fundamental Theorem of Algebra (intro. & 2.5.5) Exam 2: Friday
9	10/20–10/24	Section 3.1: Rational Functions (3.1.1 - 3.1.6) Section 3.2 – Section 3.4
10	10/27–10/31	Section 4.1: Exponential Functions (4.1.1 – 4.1.4, 4.1.7, 4.1.8) Section 4.2: Logarithmic Functions (4.2.1 – 4.2.10)

11	11/3–11/7	Section 4.3: Properties of Log (4.3.1 – 4.3.4) Section 4.4: Exponential and Logarithmic Equations (4.4.1 – 4.4.7)
12	11/10–11/14	Section 4.5: Exponential and Logarithmic Models (4.5.1 – 4.5.6) Section 8.1: Systems of Equations (8.1.1 – 8.1.7) Exam 3: Friday
13	11/17–11/21	Section 8.2: Nonlinear Systems (8.2.1 – 8.2.5) Section 8.3: Modeling with Systems (8.3.1 – 8.3.5) Section 8.4: Multivariable Linear Systems (8.4.1 – 8.4.6) Exam 4: Friday
14	11/24–11/28	Thanks giving Break
15	12/1–12/5	Section 11.1: sequence and Series (11.1.1 – 11.1.4) Section 11.2: Arithmetic Sequences (11.2.1 – 11.2.4) Section 11.3: Geometric Sequences (11.3.1 – 11.3.4)
16	12/8–12/12	Revision Final Exam

