Intermediate Algebra *— MATH 0103-9 · onLine – Second 8-weeks*
NorthWest Arkansas Community College – Fall 2024

Course Schedule: Below is a week-by-week breakdown of course coverage. Schedule is subject to change and email notice will be given if that happens.

Week	Dates	Coverage
1	Oct 14 - 18	R.3 Exponential Notation and Order of operations R.4 Introduction to Algebraic Expressions R.7 Properties of Exponents and Scientific Notation 1.1 Solving Equations 1.3 Applications and Problem Solving 1.4 Sets, Inequalities, and Interval Notation
2	Oct 21 - 25	2.1 Graphs of Equations 2.2 Functions and Graphs 2.3 Finding Domain and Range 2.5 Linear Functions: Graphs and Slope 2.6 More on Graphing Linear Equations 2.7 Finding Equations of Lines; Applications
3	Oct 28 – Nov 1	3.3 Solving by Elimination 3.7 Systems of Inequalities and Linear Programming 4.1 Introduction to Polynomials and Polynomial Functions 4.3 Intro to Factoring 4.4 Factoring Trinomials: $x^2 + bx + c$ 4.5 Factoring Trinomials: $ax^2 + bx + c, a \neq 1$
4	Nov 4 – 8	*Exam #1 (Sections 1.1 – 4.5)* 4.6 Special Factoring 4.7 Factoring: A General Strategy
5	Nov 11 – 15	4.8 Applications of Polynomial Equations and Functions 5.1 Rational Expressions and Functions: Multiplying, Dividing, and Simplifying 5.5 Solving Rational Equations 5.6 Applications and Proportions 6.1 Radical Expressions and Functions 6.2 Rational Numbers as Exponents 6.3 Simplifying Radical Expressions
6	Nov 18 – 22	6.4 Addition, Subtraction, and More Multiplication 6.5 More on Division of Radical Expressions 6.6 Solving Radical Equations 6.7 Applications Involving Powers and Roots 6.8 Increasing, Decreasing and Piecewise Functions 7.3 The Complex Numbers 7.4 Quadratic Equations, Functions, Zeros, and Models
	Nov 25 – 29	*Thanksgiving Break*
7	Dec 2 - 6	7.5 Analyzing Graphs of Quadratic Functions *Exam #2 (Sections 4.6 – 7.5)*
8	Dec 9 – 13	***Final Exam – taken by Thursday, December 12***

Last Update: October 3, 2024