NORTHERN NEW MEXICO COLLEGE

Course Number Course Name	Math 1215 Intermediate Algebra
Credit Value (Breakdown of theory and lab credits)	4 Theory
Catalog Course Description	A study of linear and quadratic functions, and an introduction to polynomial, absolute value, rational, radical, exponential, and logarithmic functions. A development of strategies for solving single-variable equations and contextual problems. Prerequisite: MATH 100N or MATH 100NL or appropriate score on placement exam. (4, 4T+0L)
Course Student Learning Outcomes/Objectives /Competencies of the Course	Students will build on their knowledge of linear and quadratic functions and will begin to build an understanding of absolute value, polynomial, rational, power, radical, exponential and logarithmic functions in the following contexts: 1. Demonstrate appropriate use of basic function language and notation. 2. Convert between equivalent forms of algebraic expressions. 3. Solve single-variable equations of the types listed above. 4. Interpret and communicate algebraic solutions graphically and numerically. 5. Demonstrate contextual problem-solving skills that include setting up and solving problems, and interpreting solutions in context. 6. Apply appropriate problem solving methods from among algebraic, graphical, and numerical.
College-Wide Student Learning Outcomes	Math 1215 will expose students to the following NNMC College Wide Goals: *Critical thought: Students are required to analyze and synthesize information and draw reasoned conclusions.* *Quantitative reasoning: Calculate, represent, apply, analyze, and communicate both quantitative and qualitative information.*
Program Student Learning Outcomes measured	PSLO #1: Manipulate and solve **polynomial, rational**, logarithmic, exponential, and trigonometric equations.