NORTHERN NEW MEXICO COLLEGE

Course Number Course Name	Math 130L Accelerated Intermediate Algebra
Credit Value (Breakdown of theory and lab credits)	4 Theory, 1 Lab
Catalog Course Description	This course covers all the topics in MATH 130. However students will spend additional time in a computer lab. Prerequisite: Math 100N or 100NL or 47-100 COMPASS (COMA) or 0-22 COMPASS (COAL). (Fall, Spring) (5, 3T+2L)
Student Learning Outcomes/Objectives /Competencies of the Course	**Course objectives: This course is designed to enable students to:** 1. Solve linear equations 2. Graph equations and functions. 2. Understand function notation. 3. Solve and graph linear equations and linear inequalities involving two variables. 4. Construct equations of parallel and perpendicular lines. 5. Solve equations and inequalities involving absolute values. 6. Work with polynomials and rational expressions: simplify, add, multiply, divide, factor and solve quadratic and rational equations. 7. Work with radical expressions and equations: simplify radicals, multiply and divide radicals, add and subtract radicals and solve radical equations. 8. Simplify expressions with rational exponents. 9. Develop mathematical reasoning and deduction skills. 10. Develop methods for solving word problems. 11. Use the quadratic formula to solve quadratic equations. 12. Apply the Pythagorean theorem. 13. Use scientific notation.
College-Wide Student Learning Outcomes	Math 130L learning objectives align with the following NNMC College Wide Goal: *Critical thought:* • *Students are required to analyze and synthesize information and draw reasoned conclusions.*