

Course Code: MTH101

Course Description: This course will include an introduction to the use of variables, rational and irrational numbers, operations on polynomials, solution of linear and quadratic equations and the factoring of polynomials.

Course Outline: Algebra 101

Pre-Test

Unit 1: Introduction to Algebra

Unit 2: Introduction to Equations

Unit 3: Solving Equations

Unit 4: Inequalities and Absolute Values

Unit 5: Polynomials

Final Exam

Course Objectives:

- Problem solving
- Numbers, expressions and operations
- Characteristics and behaviors of functions
- Linear functions, equations and inequalities
- Quadratic functions and equations
- Reasoning, problem solving and communication

Number/Description of Assignments, Projects, Activities, etc:

There are 5 assignments, 14 quizzes, 5 exams, 5 discussion questions and 5 discussion unit reflections due.

Materials: All course materials have been approved for district use.

Timelines & Methods for evaluating student progress: Students are expected to log in daily and submit assignments on a weekly basis. Progress will be evaluated each month based progress towards assignment completion of assignments.

This course meets state and district graduation requirements in the area of Algebra.

Weekly contact will be conducted through a submitted assignment with instructor feedback. Students who do not submit an assignment are expected to email or call his/her instructor.

Each student is expected to spend a minimum of five hours per week on this course. Additional hours may be necessary to complete the course successfully.

Beginning & end date