



**COURSE NAME/NUMBER****LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:**

To quickly review the basic algebra skills.

To introduce functions and the use of functional notation.

To develop the student's ability to solve practical problems using the calculating skills studied.

**METHODS:**

Traditional lectures mixed with problem sessions.

**PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

Credit can be awarded for this course through PLAR (Please check : )  Yes  No

**METHODS OF OBTAINING PLAR:****TEXTBOOKS, REFERENCES, MATERIALS:**

[Textbook selection varies by instructor. An example of texts for this course might be:]

**SUPPLIES / MATERIALS:****STUDENT EVALUATION:**

[An example of student evaluation for this course might be:]

Suggested:	Assignments and quizzes	20%
	Tests	40%
	Final exam	40%

Letter grades will be assigned.

Students must earn at least 40% on the final examination in order to receive credit for the course.

**COURSE CONTENT:**

[Course content varies by instructor. An example of course content might be:]

- I.
  1. Review of Basic Algebra
  2. Applied Problems
- II. Relations, Functions, and Transformations
  1. Graphs
  2. Symmetry and Inverses
  3. Transformations
  4. Special Classes of Functions
  5. Straight Lines and Linear Functions
- III.
  1. Review of Sets
  2. Review of Inequalities
  3. Equations and Inequalities with Absolute Values
  4. Quadratic Functions - Graphs
  5. Applied Problems Involving Quadratic Functions
- IV.
  1. Systems of Linear Equations and Nonlinear Systems
  2. Applied Problems Using Two Unknowns

V. 1. A Brief Introduction to Conics