Tennessee Technological University
Mathematics Department

MATH 1710: Precalculus Algebra

I.   COURSE DESCRIPTION FROM CATALOG :
     Review of algebra; relations and functions and their graphs, including polynomial,
     rational, exponential, and logarithm functions; inequalities. Lec. 3. Cr. 3.

II. PREREQUISITE(S):
     A minimum ACT Math subscore of 19, OR completion of Learning Competencies 1
     through 5, or a minimum grade of C in MATH 1000.

III. COURSE OBJECTIVES(S):
     Refine the algebraic, geometric, and reading comprehension skills necessary in the study of
     calculus.

     The goal of the general education mathematics requirement is to enhance students'
     abilities to utilize mathematics. Students will demonstrate
     1. the ability to use mathematics to solve problems.
     2. the ability to create or analyze graphs (or other mathematical representations of
         data/relationships).
     3. proficiency in mathematical computations/algorithms.
     4. understanding of mathematical concepts.

IV.

Functions
- x Polynomial Functions
- x Rational Functions
- x Inverse Functions
- x Exponential functions

- x Logarithmic functions
  - o Logarithm properties
- x Piecewise Functions
  - o Absolute Value Functions

VI.   ADDITIONAL INFORMATION:

VII.   POSSIBLE TEXTS AND R