A. Course Description

Credits: 4

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course prepares students for college-level mathematics. Within a comprehensive conceptual framework, it refreshes students on fundamental arithmetic, and focuses on the numerical, algebraic, geometric and verbal representations of functions and algebraic equations. Important topics of this course include rates of change, linear equations and functions, exponential and logarithmic functions and equations, quadratic equations and functions, and their applications.

B. Course Effective Dates: 01/11/2010 - 08/14/2010 08/15/2010 - 08/22/2014 08/23/2014 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Demonstrate proficiency in basic arithmetic calculations and algebraic derivations, at the prerequisite level of College Algebra.
2. Understand the concepts of functions and algebraic equations.
3. Demonstrate sufficient understanding of linear, exponential, logarithmic, and quadratic functions, and their applications.
4. Understand the concepts of algebraic equations and functions in the aspects of their numerical, algebraic, geometric and verbal representations.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Prerequisite: For information on math placement and assessment visit, www.metrostate.edu/placement-assessment. First day attendance required except by instructor permission.