A. Course Description

Credits: 2

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course prepares students for college-level mathematics. Students learn mathematics by using on-line learning technology at home and in the lab. Lab sessions are conducted weekly with instructor supervision. Topics of this course include: real numbers, linear and quadratic equations, functions and their graphs, as well as applications of the above topics.

B. Course Effective Dates: 05/06/2014 - 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 linear functions, quadratic functions and their applications.
3. Understand the concepts of rational and real numbers, and their arithmetic; variables, algebraic expressions and equations; functions and their numerical, algebraic, geometric and verbal representations.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Prerequisites: This course meets weekly in a computer lab. All students must be placed at MATH 099 or above on the mathematics assessment test offered by Placement Assessment Office. Students having questions should contact Math and Statistics Department at MATH@metrostate.edu.