A. Course Description

Credits: 4

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: Goal 04 - Mathematical/Logical Reasoning

This course focuses on practical applications of mathematics and is a good introduction to the broad spectrum of areas that use mathematical understanding. This course is designed for those students who are not planning to take any further mathematics courses.

B. Course Effective Dates: 08/01/1998 - 09/05/1999 09/06/1999 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Recognize applications of mathematics to social science, natural science, and engineering.
2. Recognize the importance of statistics and probability.
3. Understand the historical impact of mathematics to the modern world.

E. Learning Outcomes (MN Transfer Curriculum)

Goal 04 - Mathematical/Logical Reasoning

1. Apply higher-order problem-solving and/or modeling strategies.
2. Clearly express mathematical/logical ideas in writing.
3. Illustrate historical and contemporary applications of mathematical/logical systems.
4. Explain what constitutes a valid mathematical/logical argument (proof).

G. Special Information

Prerequisite: Placement at MATH 110 on the mathematics assessment test offered by the Placement Assessment Office. Students that do not place into MATH 110 can request an override into the course by either: (1) successfully completing the MATH 110 Preparation Program using ALEKS, or (2) completing MATH 98, MATH 102, or equivalent with a grade of C- or higher. For additional information, visit www.metrostate.edu/placement-assessment. Students whose prerequisites are not identified by the system should contact the Math and Statistics Department for an override at MATH@metrostate.edu.