Minnesota State University Moorhead

MATH 105: Contemporary Mathematics

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:
This course requires any of these 11 prerequisites
- MATH 090A - Elementary Algebra
- MATH 090 - Elementary Algebra
- A score of 1 on test Transfer Equivalent to Math 0090
- A score of 1150 on test MN Comprehensive Assessment Math
- A score of 19 on test ACT Math
- A score of 460 on test OLD-SAT Math
- A score of 510 on test SAT Math Composite
- A score of 76 on test Accuplacer Elementary Algebra
- A score of 255 on test Accuplacer NG Quantitative Reasoning
- A score of 234 on test Accuplacer NG Advanced Algebra Functions
- A score of 1 on test MMCP Math

Corequisites: None

MnTC Goals: Goal 04 - Mathematical/Logical Reasoning

Topics selected from various areas of mathematics, showing the scope and power of mathematics and emphasizing mathematical methods and basic data analysis. Topics include voting analysis, basic financial mathematics, and basic statistics and data analysis with an emphasis on critical thinking. Not intended to prepare students for any subsequent course. Must have successfully completed Elementary Algebra or the listed prerequisites, or acceptable placement score. MnTC Goal 4.

B. COURSE EFFECTIVE DATES: 11/11/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Financial Mathematics
2. Voting Analysis
3. Statistics and Data Analysis
4. Other topics which vary by semester

D. LEARNING OUTCOMES (General)

1. Describe historical or contemporary applications of mathematics/logical systems.
2. Describe mathematical ideas and results in writing.
3. Apply a variety of problem-solving skills in various applications.
4. Demonstrate inductive and deductive reasoning skills.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

Goal 04 - Mathematical/Logical Reasoning

1. Illustrate historical and contemporary applications of mathematical/logical systems.
2. Clearly express mathematical/logical ideas in writing.
3. Apply higher-order problem-solving and/or modeling strategies.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted