

North Hennepin Community College

MATH 2000: Discrete Mathematical Structures

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires any of these six prerequisites

MATH 1221 - Calculus I (Minimum grade: 1.67 GPA Equivalent)

MATH 1222 - Calculus II (Minimum grade: 1.67 GPA Equivalent)

MATH 2010 - Probability and Statistics (Minimum grade: 1.67 GPA Equivalent)

MATH 2220 - Calculus III (Minimum grade: 1.67 GPA Equivalent)

MATH 2300 - Linear Algebra (Minimum grade: 1.67 GPA Equivalent)

MATH 2400 - Differential Equations (Minimum grade: 1.67 GPA Equivalent)

Corequisites: None

MnTC Goals: None

This course includes topics of the mathematical methods of computer science: logic, combinatorics, recursion, complexity analysis, graph theory, Boolean algebra, and mathematical induction.

Prerequisite: Math 1221

B. COURSE EFFECTIVE DATES: 05/26/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Topics include: Logic, combinatorics, recursion, complexity analysis, graph theory, Boolean algebra and mathematical induction.

D. LEARNING OUTCOMES (General)

1. Students will demonstrate knowledge of the academic content.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted