

# North Hennepin Community College

## MATH 2000: Discrete Mathematical Structures

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

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