

# North Hennepin Community College

## GEOL 1020: Minnesota Field Geology Series: Volcanic, Plutonic and Metamorphic Geology

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Come explore the oldest rocks in Minnesota! This course will examine the earliest geologic history of Minnesota, which includes greenstone belts, iron ore deposits, and flood and pillow basalts. Topics include: geologic time, plate tectonics, rock cycle, rock classification and identification, Mid-continental rift, intrusive and extrusive igneous processes and products, metamorphism and mineral resources, and topographic map usage. This course is a field experience including observations, hypothesis, predictions, and evaluation of scientific data and results. Three-day field trip around Minnesota is mandatory. Course is open to all students.

**B. COURSE EFFECTIVE DATES:** 01/25/2001 - 10/31/2016

### C. OUTLINE OF MAJOR CONTENT AREAS

None

### D. LEARNING OUTCOMES (General)

None

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

1. Knowledge of Human Cultures and the Physical and Natural World --Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.
2. Intellectual and Practical Skills - Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.