

# Bemidji State University

## MATH 1013: Mathematics for Elementary School Teachers II

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course meets the new BOT introduction to higher mathematics competencies. These topics include geometry, discrete mathematics, probability, and statistics. This is the second of two mathematics courses providing the background for teaching in the elementary school. Emphasizes the use of mathematics manipulatives for modeling the basic concepts. Prerequisite: MATH 1011.

**B. COURSE EFFECTIVE DATES:** 09/05/2000 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Instructing mathematical competencies in elementary school; geometry, discrete mathematics, probability and statistics

### D. LEARNING OUTCOMES (General)

1. understand the relationships of integers and their properties that can be explored and generalized to other mathematical domains.
2. understand and apply concepts of randomness and uncertainty and the space and shapes of geometric figures.
3. understand and apply data investigations.
4. learn how to use mathematical manipulatives in class to enhance student understanding of basic mathematics.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted