

Bemidji State University

MATH 1011: Mathematics for Elementary School Teachers I

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 fundamental topics in arithmetic competencies. These topics include addition, subtraction, multiplication, and division of whole numbers; number theory related to fractions; decimals; and integers. This is the first of two mathematics courses providing the background for teaching in the elementary school. Emphasizes the use of mathematics manipulatives for modeling the basic operations. Prerequisite: Elementary education major or consent of instructor.

B. COURSE EFFECTIVE DATES: 11/30/2000 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Foundations of arithmetic operations
2. Number patterns
3. Decimals and integers
4. Number systems, Base 10 and other bases
5. Measurement
6. Additional mathematical topics

D. LEARNING OUTCOMES (General)

1. develop a deeper understanding of mathematical topics covered
2. see the difference between learning a mathematical skill and understanding a mathematical concept
3. re-familiarize themselves with elementary mathematics
4. broaden their foundations of mathematical understanding
5. learn the importance of place value and concrete understanding

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted