

Spokane Community College

COURSE LEARNING OUTCOMES (CLO) AND OUTLINE

Course Title: Mathematics for Elementary Education - A

Prefix and Course Number: Math 208

Version Date: Jan. 11, 2024

Course Learning Outcomes

By the end of this course, a student should be able to:

1. Compare structure in the Hindu-Arabic and other numeration systems.
2. Make use of multiple methods for whole number, integer, and fraction computation.
3. Utilize number sense to perform mental computations, extend real number properties and justify reasonable solutions.
4. Apply concepts of divisibility, prime factorization, LCM and GCF to investigate structure in number systems.
5. Solve Problems in multiple contexts and effectively defend process and results.

Course Outline:

- I. Introduction to problem solving.
- II. Sets, whole numbers, numeration
- III. Reasoning (introduction to logic)
- IV. Whole numbers (operations and properties)
- VI. Number theory
- VII. Fractions
- VIII. Decimals, ratio, proportion, and percent
- VIII. Clock arithmetic (optional)