MATH 111 : Mathematics for Elementary Teachers I

Math 111 is the first of a two-course sequence designed to give prospective elementary education majors the depth of understanding necessary to teach mathematics in the elementary classroom. Topics include number (natural numbers, integers, fractions, and real numbers) and operations, sets, patterns, functions and algebra. Emphasis will be on communication, connections and problem solving, representations, and reasoning and proof.

Credits 3

Lecture Hours 3

Prerequisites

"C" or better in Math 25, 26, 28, 29, 75X, or higher or equivalent, satisfactory math placement test, and grade of C or better in ENG 22 or ENG 23 or placement in ENG 100.

Course Outcomes

- Explain the meaning of numerical operations and how they relate to each other.
- Utilize symbolic forms to represent, model, and analyze mathematical situations to solve problems.
- Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.