

# MATH 111 : Math for Elementary Teachers I

**Credits:** 3

**Class Hours:** 3 lecture

**Prerequisites:** Qualified for ENG 100. "C" or higher in MATH 75X or MATH 82X; or acceptable math placement.

**Comments:** This course is intended for prospective elementary education majors only.

**Description:** This course teaches students to communicate and represent mathematical ideas, how to solve problems, and how to reason mathematically. Material covered includes operations and their properties, sets, counting, patterns, and algebra.

**Semester Offered:** Fall, Spring

**Course Student Learning Outcomes (CSLOs):**

1. Obtain information about mathematical concepts and principles (such as properties of sets, place value, number systems, operations, and elementary number theory ) from materials written in words and in symbols.
2. Identify connections between familiar mathematical problems and model them in different contexts.
3. Apply abstract and quantitative reasoning skills to solve mathematical problems.
4. Communicate mathematical concepts coherently, clearly, and precisely, both in words and in symbols.