

**SYLLABUS**  
**MATH 14002 – Basic Mathematical Concepts II**  
(4 Credit Hours)

**Catalog Information:**

Basic Concepts of probability, statistics, and geometry. This course may be used to satisfy the LERs.

Prerequisite: MATH 14001.

**Text:** *Mathematics for Elementary Teachers: A Contemporary Approach*, by Musser, Burger, & Peterson

**Topics:**

- Statistics (4 days)
  - types of graphs used to display data
  - measures of central tendency and variation
- Probability (7 days)
- Plane Geometry (9 days)
- Solid Geometry (8 days)
- Euclidean Constructions (9 days)
- Coordinate Geometry (8 days)
- Transformation Geometry (5 days)

**Review for tests** (4 days)

**Tests** (4 days)

**Review for Final Exam** (1 day)