Course Objectives & Outcomes
College of Science & Engineering

Department: Mathematics
Course Number: Math 2257
Course Name: Structure of Geometry and Probability for Elementary School Teachers

Objective 1: Demonstrate basic concepts of Euclidean Geometry.

Outcomes:
   A. Use various forms of measurement and transformation on geometric shapes.

Objective 2: Develop basic statistical properties of center, spread and likelihood.

Outcomes:
   A. Compute the most common measures of center and spread to analyze data.
   B. Apply basic properties of probability.

Assessment methods:
   • Final exam problems in the course will address the outcomes.
   • The instructor(s) will provide a copy of the exam, the grading rubric, and a distribution of grades.
   • A representative sample of student solutions will be included to demonstrate acceptable and non-acceptable solutions.