MATH 1401 or STAT 1401—Elementary Statistics

MATH/STAT 1401: Elementary Statistics (3 credit hours)

Catalog Description: This is a non-calculus based introduction to statistics. Course content includes descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistical topics.

Prerequisites:

When offered in Area A1: MATH 0996 taken as a corequisite or exemption from Learning Support requirements.

When offered in Area D: May have no collegiate prerequisite or may require completion of an Area A1 mathematics course.

A. Uniform Requirements: 60% to 80% of class time will be spent on these topics
   - Sampling and data
   - Graphical and numeric descriptive statistics (central tendency, variation, position)
   - Exploratory data analysis
   - Basic probability theory (including normal distribution, t-distribution)
   - Confidence intervals
   - Hypothesis testing

B. Additional topics: 20% to 40% of class time will be spent on selected topics from the following list.
   - Discrete distributions
   - Simulations
   - Correlation
   - Regression
   - Chi-Square
   - ANOVA
   - Other statistical applications