

MATHEMATICS (STAT)

STAT C1000

INTRODUCTION TO STATISTICS

4 UNITS

Grade Only

Prerequisite: Intermediate algebra proficiency, as determined through the Southwestern College Multiple Measures Process; Placement may require concurrent enrollment in STAT 84 or NC 284, Support for Statistics.

Lecture 4 hours

Offered: ALL

Part 1: This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines.

Part 2: Emphasizes probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Addresses descriptive statistics, probability, sampling distributions, statistical inference, correlation, linear regression, ANOVA, chi-square tests, t-tests, and use of technology for statistical analysis including interpretation of the relevance of statistical findings. Includes applications from various disciplines. [D; CSU; UC; C-ID MATH 110] (Same as: MATH 119)

STAT 84

SUPPORT FOR ELEMENTARY STATISTICS

2 UNITS

Pass/No Pass Only

Corequisite: STAT C1000.

Lecture 2 hours

Offered: FALL, SPRING

Serves as corequisite support for students enrolled in Elementary Statistics whose assessment results indicate a need for additional instruction on topics from Elementary and Intermediate Algebra, and for those students who would like additional support. Reviews and reinforces the skills necessary to succeed in introductory college-level statistics. Focuses on numeracy, algebraic expressions, support for the core content, and study skills. Provides frequent and intensive instructor feedback and practice. [ND] (Same as: NC 284;MATH 84)