

# STAT 152 - Introduction to Statistics (3 Credits)

## DESCRIPTION:

Basic probability and statistical methods with applications (possibly with computers), descriptive statistics, graphic presentation of data, point and interval estimation, hypothesis testing, linear regression and other special topics. Prerequisite: Math 124 or Math 126 or Math 128 all with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

## TEXT:

To be announced in class.

NOTE: Full-time instructors have the right to use no text or a different text.

## OUTLINE:

To be announced in class.

## OUTCOMES:

- a. Understand and apply basic probability and statistical methods.
- b. Interpret and present data using descriptive statistics and graphs.
- c. Construct point and intervals estimation for parameters based on data.
- d. Conduct hypothesis testing using data.
- e. Analyze data using appropriate statistical analyses such as linear regression.

## EVALUATION:

Grades will be determined by student performance in one or more of the following areas: in-class tests, take-home tests, homework assignments, quizzes, special projects, papers, attendance, and class participation. Degree of importance and types of assessment used will depend on the instructor.

**This course satisfies or partially satisfies the Math component of a degree or certificate program at CSN.**