

## 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 with a Grade of C or better, or a Satisfactory ACT/SAT/Placement Test Score

### 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.

### TEXT:

To be announced in class.

### OUTLINE:

To be announced in class.

### EVALUATION:

Grades may 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 the math requirement in the General Education Core component for selected degree and certificate programs at CSN.**