

# MATH& 146 : Introduction to Stats

**Credits** 5

**Quarter Offered** Fall, Winter, Spring, Summer

Introduction to methods and applications of elementary descriptive and inferential statistics; summarizing data graphically and numerically, probability, confidence intervals, hypothesis testing, correlation and linear regression. This class may include students from multiple sections. (Quantitative Skills, Natural Sciences, Elective)

**Prerequisites**

P in [MATH 90](#) or equivalent

**Course Outcomes**

Communicate statistical ideas with appropriate notation and terminology.

Describe, interpret and analyze data for one and two variables using verbal, numerical, and graphical representations.

Examine populations by analyzing probability and randomness in data.

Apply and interpret a variety of inferential statistical techniques.

Determine, analyze, and apply correlation and linear regression models.

Analyze and assess statistical arguments like those found in the popular press as well as in scholarly publications.

Use technology appropriately and efficiently.