

**Northwest Arkansas Community College
Division of Social and Behavioral Sciences**

**Course Number and Title
PSYC 2013 Introduction to Statistics**

Credit hours/ Contact hours/ Load hours: 3

Catalog Description:

Introduction to Statistics. Introduction to the descriptive and inferential statistics commonly used in behavioral/social sciences and health professions.

Standard Course Outline: Introduction to Statistics is designed to provide a practical introduction to the types of statistics commonly used in behavioral and social sciences and health professions.

Prerequisites:

General Psychology or consent of the instructor.

Target audience/ transferability:

Introduction to statistics is a course designed to serve as an introduction to social science statistics. It is a transferable course.

Student Learning Outcomes:

Goal 1: Assess different situations and questions in order to determine which statistic is appropriate

Goal 2: Mathematically perform the appropriate statistic

Goal 3: Evaluate statistical results including what information a specific statistic provides, and any limitations on that information

Topics:

- Frequency Distributions
- Central Tendency, Variability
- z-Scores, Location of Scores, and Standardized Distributions
- Probability
- Samples and the Distribution of Sample Means
- Hypothesis Testing
- t Tests, Estimation
- Analysis of Variance
- Correlation and Regression
- Tests for Goodness of Fit and Independence

Forms of Assessment: