

**NorthWest Arkansas Community College
Division of Social and Behavioral Sciences,
Education and Wellness, Legal and Protective
Services**

PSYC 2013 (Introduction to Statistics)

Catalog Description:

Introduction to Education is designed for students who are prospective teachers. The course integrates psychological, sociological, and philosophical foundations of education with concurrent involvement in field experience.

Prerequisites:

General Psychology or consent of the instructor.

Credit Hours/Contact Hours/Load

hours: 3/3/3

Target Audience:

Introduction to statistics is a course designed to serve as an Introduction to Social Science Statistics. It is a transferable course.

Learning Outcomes:

- Assess different situations and questions in order to determine which statistic is appropriate
- Mathematically perform the appropriate statistic
- 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
- Tests, Estimation
- Analysis of Variance
- Correlation and Regression
- Tests for Goodness of Fit and Independence