



## PSY 230: Statistics for Psychology

This course provides an introduction to statistical methods used in psychological research. The emphasis is on conceptual understanding of statistics within the context of research. It includes an introduction to the analysis of quantitative data in psychology, including descriptive statistics, analysis of variance, correlation, regression, probability, hypothesis testing, nonparametric procedures, and data analysis with SPSS. This course is also appropriate for students wanting to major in other Social Sciences. Pre-requisite(s): PSY 101 and MTH 119. Three lecture hours and one laboratory hour per week. Instructional Support Fee applies. Gen. Ed. Competencies Met: Quantitative and Symbolic Reasoning.

### Course Student Learning Outcomes

1. Define various research methods and statistics used in psychological research. 2. Identify and effectively apply descriptive and inferential statistics for specific research questions and sets of data. 3. Identify appropriate statistical analyses for various psychological research questions and explain why their choices are appropriate. 4. Perform statistical analyses of data using SPSS and explain/interpret the results.

**Credits:** 4

**Program:** Psychology