

Global Learning Semesters

Course Syllabus

Course: PSY-505 Statistics and Research Methods

Department: Social Sciences

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
PSY-505	Statistics and Research Methods	3.75
Semester Offered	Contact Hours	Prerequisites
Fall	42	None
Department	Level of Course	Language of Instruction
Social Sciences	Upper Division	English

Course Description

Validity, reliability, statistical conclusion validity, selection of research problems and designs, group designs, comparison groups and control groups, single case designs, qualitative research designs, assessment methods and strategies, interpretation of data, statistical methods, ethical issues in research, and publishing and communicating findings.

Instructor

Marios Constantinou, Ph.D.

Course Aims and Objectives

These courses involve a detailed presentation of the various methods used by psychologists in experimental research and design, as well as the statistical techniques which are used to analyze data. Both parametric and non-parametric techniques are reviewed along with various experimental and quasi-experimental designs. Topics include hypothesis testing and the experimental method, choosing appropriate statistical techniques, threats to internal and external validity, and varieties of experimental control and randomization. Students will be expected to perform statistical procedures on sample data sets and draw conclusions from the results of statistical analyses.

Teaching Methods

Lectures, discussions, lab works, assigned readings, demonstrations, projects, & video films.

Course Teaching Hours

42 hours. The course is delivered during the Fall semester in 14-weeks (3 hours/week).

Evaluation and Grading

Test 1: 25%
Test 2: 25%

Final Test: 25%
Final Project: 25%; grant proposal

Readings and Resources

Required Textbooks

- 1) Literature Reviews
- 2) Assigned Articles
- 3) Alan E. Kazdin (2003). Research Design in Clinical Psychology (4th Edition). Boston, MA, USA: Allyn and Bacon Pubs.
- 4) Class notes