



UNIVERSITY OF NICOSIA ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

PSYM- 512 Advanced Statistics and Research Methods II

Course Code PSYM-512	Course Title Advanced Statistics and Research Methods I	ECTS Credits 7.5
Department Social Sciences	Semester Spring	Prerequisites PSYM-511
Type of Course Required	Field Psychology	Language of Instruction English
Level of Course 2 nd Cycle	Year of Study 1st	Lecturer(s) Dr Menelaos Apostolou
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None
Course Days/Times Mon. 13:00- 16:00	Course Venue B113	Student Consultation Hours Mon. 4-6, Wed. 12-2, Thur. 12- 2
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Objectives of the Course:

- to equip students with knowledge of statistical concepts and methods relevant to psychological research
- apply research methods to research studies within clinical psychology
- to formulate research questions and research hypotheses
- to design and carry out research projects in clinical psychology
- to choose and apply appropriate methods of statistical analysis in clinical psychology
- to interpret and evaluate results of clinical psychology research
- use statistical packages

Learning Outcomes:

Upon completion of this course students are expected to

- to be able to design research studies within clinical psychology
- to be able to consume correctly research outcomes and studies

- to be able to use statistical packages
- to be able to choose the correct methodological design and statistical analyses for each hypothesis testing

Course Contents:

- Two-way ANOVA
- MANOVA
- ANCOVA
- Regression
- Logistic Regression
- Multiple Regression
- Exploratory Factor Analysis.
- Power Analysis
- Theoretical and Methodological Issues in Research Methods

Learning Activities and Teaching Methods:

Interactive Lectures, Lab Presentations, Lab Tutorials, Practical Exercises

Assessment Methods:

Project, Mid-Term Exam, Final Exam.

Final Examination (1)	
Mid-Term (1)	
Project	

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Field, A.	Discovering Statistics Using SPSS	SAGE	2009	978-1-84787-906-6
Creswell, J.W.	Research Design	SAGE	2009	978-1-4129-6557-6

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
American Psychological	Publication Manual of the	American Psychological	2009	

Association	American Psychological Association (6 th Edition)	Association		
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