



Course Syllabus

Course Code	Course Title	ECTS Credits
PSYC-512	Advanced Statistics and Research Methods II	7.5
Prerequisites	Department	Semester
PSYC-511	Social Sciences	Spring
Type of Course	Field	Language of Instruction
Required	Clinical/Counseling Psychology	English
Level of Course	Lecturer(s)	Year of Study
2 nd Cycle	Dr Menelaos Apostolou	1 st
Mode of Delivery	Work Placement	Corequisites
Face-to -face	N/A	None

Course Objectives:

The main objectives of the course are to:

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

Learning Outcomes:

After completion of the course students are expected to be able to:

1. design research studies within clinical/counseling psychology
2. consume correctly research outcomes and studies
3. use statistical packages
4. choose the correct methodological design and statistical analyses for each hypothesis testing

Course Content:

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.

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Field, A.	<i>Discovering statistics using SPSS.</i>	Sage Publisher	2009	9781847879073
Creswell, J. W.	Qualitative procedures. <i>Research design: Qualitative, quantitative, and mixed methods approaches</i>	Sage Publisher	2009	9781452226101

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
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<i>Publication Manual of the American Psychological Association (6th Edition).</i>	American Psychological Association.	APA	2009	9780890425558
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