



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Psicologiche, Pedagogiche, dell'Esercizio Fisico e della Formazione		
ACADEMIC YEAR	2016/2017		
MASTER'S DEGREE (MSC)	LIFE-SPAN CLINICAL PSYCHOLOGY		
SUBJECT	ADVANCED QUALITATIVE-QUANTITATIVE RESEARCH METHODS		
TYPE OF EDUCATIONAL ACTIVITY	B		
AMBIT	50474-Psicologia generale e fisiologica		
CODE	16152		
SCIENTIFIC SECTOR(S)	M-PSI/03		
HEAD PROFESSOR(S)	INGOGLIA SONIA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)			
CREDITS	6		
INDIVIDUAL STUDY (Hrs)	110		
COURSE ACTIVITY (Hrs)	40		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	1		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	INGOGLIA SONIA Thursday 9:30 10:30 Il ricevimento si può svolgere in presenza, nello studio della docente (Ed.15, stanza P4014) oppure online. All'atto della prenotazione è necessario specificare la modalità		

PREREQUISITES	<p>-Knowledge in the field of research methodology (issue of method, scientific method, research cycle, concepts and variables, operationalization, population and sample, research designs, validity and control, data analysis, bibliographical norms of the American Psychological Association, writing the research report)</p> <p>-knowledge of descriptive statistics (one-way and two-way frequency distributions, average and variability measures, measures of relations between two variables, simple regression) and inferential statistics (basic concepts of probability, the issue of inferential statistics, parameter estimation and hypothesis testing)</p>
LEARNING OUTCOMES	<p>Knowledge of</p> <ul style="list-style-type: none"> -the research issues in psychology, as regards both the issue of method and the specific research techniques -the structure of a research report -the data analysis techniques foreseen in the course <p>Comprehension of the social character of research fields</p> <p>Ability to communicate</p> <ul style="list-style-type: none"> -Describing the issues of the course -Communicating using a specific language -Communicating information to non professional persons <p>Ability to learning</p> <ul style="list-style-type: none"> -Achieving an expertise in individual study -Achieving good ability to apply knowledge to solve concrete proposal situations
ASSESSMENT METHODS	<p>Practice and oral test</p> <p>Practice test</p> <p>It consists in writing a research report that student must submit at least one-week before the examination. It must be structured in the following sections:</p> <ol style="list-style-type: none"> 1. Introduction <ol style="list-style-type: none"> 1.1 Aims and hypotheses 2. Method <ol style="list-style-type: none"> 2.1 Participants 2.2 Procedure 2.3 Measures 3. Results 4. Discussion <p>References</p> <p>A template of research report will be provided by the teacher and uploaded in the website of the course. The report must describe the theoretical framework and research plan (participants, measures and research design), the results, the discussion of results, and the list of references. It must follows the bibliographical norms contained in the last edition of the American Psychological Association publication manual; it must be at least 10 pages (Times New Roman 12, line spacing 1.5, margins 2 cm).</p> <p>The report may be write by single students or groups (max 4 persons). The assessment will be expressed as follows:</p> <ul style="list-style-type: none"> -A excellent (comprehensive , responsive and fair) -B good (responsive and fair although not quite complete) -C sufficient (respondent , some inaccuracies , and not quite complete) -D mediocre (slightly responsive , incomplete and not entirely correct) -E inadequate (unresponsive , incorrect and incomplete) <p>Oral test</p> <p>It will consist of an interview; it must ascertain the possession of skills and subject knowledge provided by the course. The student will have to answer at least two/three questions posed orally, on all parties covered by the program, with reference to the recommended texts. It aims at evaluating whether the student has knowledge and understanding of the topics as well as he/she has acquired the capacity to interpret and give an independent judgment of concrete cases.</p> <p>The pass mark will be reached when the student shows knowledge and understanding of the subjects at least in general terms, and has minimal application knowledge regarding the presentation of case studies; he/she will also have presentation and argumentative skills as to allow the transmission of his/her knowledge to the examiner. Below this threshold, the examination will be insufficient. Grades are expressed in thirtieths.</p> <p>Final assessment</p> <p>It is the average of written and oral grades</p>
EDUCATIONAL OBJECTIVES	<p>The course objectives are:</p> <ul style="list-style-type: none"> -fostering the comprehension and analysis of data in several fields of psychology. The course is focused on the methods of quantitative research and

	the use of a software for data analysis -promoting the ability to critically read a research report -promoting the ability to plan and realize a psychological research and writing a report
TEACHING METHODS	Frontal lectures and practice exercises -Frontal lectures are focused on theoretical and practice issues, and are aimed at integrating theoretical concepts and real research cases -Practice exercises are focused on critical reading of research reports, discussion of student's research project, the use of a software for data analysis, and data collection
SUGGESTED BIBLIOGRAPHY	Uno a scelta / One of the following texts: -Agresti, A., & Franklin C. (2016). Statistica: L'arte e la scienza di imparare dai dati. Torino: Pearson. -Norman, G. R., & Streiner, D. L. (2016). Biostatistica: Quello che avreste voluto sapere. Milano: CEA. Materiali didattici saranno forniti dalla docente / Teaching materials will be provided by the teacher

SYLLABUS

Hrs	Frontal teaching
2	Data analysis in cycle research
2	Univariate data analysis
2	Relationships between variables
2	Bivariate data analysis
2	From descriptive statistics to inferential statistics
2	General linear models
2	Choice of data analysis technique
2	Data screening
8	Regression models (simple and multiple)
8	Analysis of variance models (one way ANOVA and factorial ANOVA)
6	Measure of changes across time
2	Writing the research report
Hrs	Practice
1	Analysis of a scientific article
4	Data analysis with a software
2	Discussion of research projects