



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Psicologiche, Pedagogiche, dell'Esercizio Fisico e della Formazione		
ACADEMIC YEAR	2022/2023		
BACHELOR'S DEGREE (BSC)	PSYCHOLOGICAL SCIENCES AND TECHNIQUES		
SUBJECT	PSYCHOLOGICAL RESEARCH METHODOLOGY		
TYPE OF EDUCATIONAL ACTIVITY	B		
AMBIT	50115-Psicologia generale e fisiologica		
CODE	05115		
SCIENTIFIC SECTOR(S)	M-PSI/03		
HEAD PROFESSOR(S)	INGOGLIA SONIA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)			
CREDITS	8		
INDIVIDUAL STUDY (Hrs)	146		
COURSE ACTIVITY (Hrs)	54		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	2		
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 of the measurement issue in psychology and psychometric characteristics of a measurement process (validity and reliability)</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 <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>The assessment of learning will take place through a mid-term test (not compulsory) and a final test. In order for the grade obtained in the mid-term exam to be recognized, the final exam must be taken within the first useful exam session.</p> <p>INTERMEDIATE TEST</p> <p>The test is aimed at ascertaining the possession of the skills and knowledge necessary to analyze an original research contribution.</p> <p>During the first lesson the article analysis scheme will be provided and exercises on research articles in English will be organized to prepare students for this type of test.</p> <p>The intermediate check will take place during the week of suspension of the teaching activity. It is an online written test with 30 closed-ended questions concerning the analysis of an article published in an international psychology journal in which an original research contribution is reported. The article will be awarded on the day of the exam.</p> <p>The evaluation will be expressed out of thirty; 1 point will be awarded for each correct answer; there will be no penalty for incorrect answers.</p> <p>FINAL TEST</p> <p>The test is aimed at ascertaining the possession of the disciplinary skills and knowledge promoted by the Course.</p> <p>There are 2 test modes depending on the exam session.</p> <p>* The exam is taken in the first useful session -> it consists of an online written test with 30 closed-ended questions on all the topics of the program. The evaluation will be expressed out of thirty; 1 point will be awarded for each correct answer; there will be no penalty for incorrect answers. For those who have NOT completed the intermediate test, the test must be integrated with the discussion on a research article in English to be agreed with the teacher.</p> <p>* The exam is taken in the sessions following the first useful session -> it consists of an interview during which the candidate must answer at least two / three questions on all the topics of the program. The final test aims to assess whether the student has knowledge and understanding of the topics, has acquired interpretative competence and autonomy of judgment of concrete cases. The sufficiency threshold will be reached when the student shows knowledge and understanding of the topics at least in general lines and has minimal applicative skills in order to present concrete cases; he must also possess expository and argumentative skills such as to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will be insufficient. The more, however, the student will be able to autonomously find connections between the topics of the course and will be able to go into detail about the discipline being tested, the more the evaluation will be positive. The evaluation of the oral exam will be expressed out of thirty and will be divided as follows: Excellent (29-30-30 with honors): well-organized, fully focused and concise answers; extensive and detailed knowledge of the subject and a very advanced ability to apply them; clear and brilliant presentation. Very good (27-28): well organized and well focused, concise responses; considerable knowledge of the subject and evident ability to apply them; clear presentation, with some minor inaccuracies; Good (25-26): adequate but not entirely thorough knowledge of the subject; fairly clear presentation albeit with some areas of confusion; Acceptable (22-24): passable, but incomplete and poorly focused knowledge of the subject; fair ability to apply it; limited level presentation.</p>

	<p>Sufficient (18-21): minimum acceptable knowledge of the basic concepts of the discipline, even with some errors and inaccuracies; Insufficient (<18.): Knowledge and presentation below the minimum standards necessary for sufficiency.</p> <p>FINAL EVALUATION SYSTEM</p> <p>* The exam is taken in the first useful session -> For those who have taken the intermediate test, the final grade is given by the average of the marks in the intermediate and final tests. For those who have NOT taken the mid-term exam, the final grade is given by the average of the marks in the final exam and in the discussion of the article.</p> <p>* The exam is taken in the sessions following the first useful session -> The mark is the one attributed to the interview.</p> <p>NOTE FOR ERASMUS INCOMING STUDENTS</p> <p>Any incoming mobility students will be able to:</p> <ul style="list-style-type: none"> - prepare their final paper in English; - access an English version of the mid-term exam.
EDUCATIONAL OBJECTIVES	<p>The course objectives are:</p> <ul style="list-style-type: none"> -fostering the knowledge of the issue of scientific research, as regards both the method and the specific research techniques -fostering the ability to apply knowledge of main issues of research methodology -promoting the development of a greater autonomous judgement -promoting the ability to communicate in the field of psychological research, increasing the ability to use a specialist language, to formulate questions and answers regarding research issues -fostering the ability to learn the main issues of research methodology, providing students with guidelines and instruments to ameliorate their method of study
TEACHING METHODS	<p>Frontal lectures and practice exercises</p> <ul style="list-style-type: none"> -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 in English; these exercises will be carried out with the support of a group of volunteer students
SUGGESTED BIBLIOGRAPHY	<p>qualsiasi edizione del materiale bibliografico riportato sotto (uno a scelta)</p> <p>* Shaughnessy, J.J., Zechmeister, E. B., & Zechmeister, J. S. (2016). Metodologia della ricerca in psicologia, McGraw-Hill. ISBN-10 8838615454</p> <p>* Ingoglia, S., & Boca., S. (2015). Metodologia della ricerca psicologica: L'indagine sul comportamento umano. Parma: Edizioni Junior-Spaggiari Edizioni. ISBN-10 8884347149</p> <p>Materiali didattici saranno forniti dalla docente / Teaching materials will be provided by the teacher</p>

SYLLABUS

Hrs	Frontal teaching
3	Method, techniques and methodology / The issue of knowledge and social knowledge
2	The ideal of science and its hystorical development
2	The scientific approach and the research cycle
2	Research report
2	From the research problem to the research question
2	From the theory to the hypothesis
2	Literature research
2	From the concepts to the variables
4	The issue of measurement in psychology
2	Measurement techniques
2	From the population to the sample
2	Relations between variables
2	Validity and control
2	Research designs
2	Experimenal desgins
2	Quasi-experimental designs
2	Observational designs, surveys, cross sectional and longitudinal studies
2	Desk research, single case study
4	Dataset / Introduction to Data analysis
2	Univariate data analysis

SYLLABUS

Hrs	Frontal teaching
1	Bivariate data analysis (introduction)
2	Bivariate data analysis (Pearson's coefficient, Spearman's coefficient, chi-square)
2	Hypothesis testing: 1 mean
3	Hypothesis testing (2 independent means, 2 correlated means)
1	Effect size / Power analysis
Hrs	Practice
2	Critical analysis of a scientific article
4	Study of research cases