



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Psicologiche, Pedagogiche, dell'Esercizio Fisico e della Formazione		
ACADEMIC YEAR	2023/2024		
MASTER'S DEGREE (MSC)	PEDAGOGY		
SUBJECT	RESEARCH METHODOLOGY IN THE EDUCATIONAL FIELD		
TYPE OF EDUCATIONAL ACTIVITY	C		
AMBIT	21037-Attività formative affini o integrative		
CODE	21057		
SCIENTIFIC SECTOR(S)	M-PED/04		
HEAD PROFESSOR(S)	CAPPUCCIO GIUSEPPA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)			
CREDITS	9		
INDIVIDUAL STUDY (Hrs)	180		
COURSE ACTIVITY (Hrs)	45		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	2		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<b>CAPPUCCIO GIUSEPPA</b> Tuesday 14:30 16:00 Aula TEAMS "Ricevimento studenti e tesisti". Codice di accesso aula virtuale zoipjfb		

**DOCENTE:** Prof.ssa GIUSEPPA CAPPUCCIO

<b>PREREQUISITES</b>	Identify and build an experimental research plan Formulate research hypotheses Outline the characteristics of an experimental / quasi-experimental design
<b>LEARNING OUTCOMES</b>	<p>A. Knowledge and understanding</p> <ol style="list-style-type: none"> <li>1. Demonstrate knowledge and understanding of Methodology of research theories, methods and principles</li> <li>2. Provide further studies in Methodology of research</li> </ol> <p>B. Applying knowledge and understanding</p> <ol style="list-style-type: none"> <li>1. Explain research mixed methods design phases</li> <li>2. Define and organise evaluation reserach tools</li> </ol> <p>C. Making judgements</p> <ol style="list-style-type: none"> <li>1. Gather and interpret relevant quantitative and qualitative data</li> <li>2. Discuss about research mixed methods results</li> </ol> <p>D. Communication skills</p> <ol style="list-style-type: none"> <li>1. Communicate data within educational mixed research</li> <li>2. Explain educational research results</li> </ol> <p>E. Learning skills</p> <ol style="list-style-type: none"> <li>1. Design an educational mixed methods research</li> <li>2. Analyze the conditions for the extensibility of the results</li> </ol>
<b>ASSESSMENT METHODS</b>	<p>It will be used different assessment tools in order to monitor and evaluate objectives. a. Methological and Semi-structured questionnaire to ensure the achievement of the following objectives: 1. Examine the methods of scientific research in the educational field 2. Define the methodology of educational research paradigms 3. Investigate quantitative and qualitative methods 4. Define and structure mixed methods 5. Identify the search methods 6. Building the experimental design of a research. The stimuli of semi-structured questionnaire will be 6. It will allow the student to independently formulate the answer, and will be structured so as to ensure comparability with constraints that define a track for the answer (length parameters, hierarchical order of themes, concepts to be addressed, level of generalization).</p> <p>b. Oral exam to ensure the achievement of the following objectives: 7. Examine and build mixed assessment tools 8. To elaborate and evaluate the results of the quantitative / qualitative research 9. Study the conditions for the extensibility of the results 10. Design a research with mixed methods plan. The oral exam will be focus on the discussion of the system of problem-based research methodology and a design hypothesis of mixed methods and problem-based research . The hypothesis research design will be constructed following the phases of classic experimental research and will be sent a week before the teacher to the mail address giuseppa.cappuccio@unipa.it</p> <p>The student who will demonstrate achievement of:</p> <ul style="list-style-type: none"> <li>- 6/10 goals both in test and oral exam will have a grade between 18 and 22.</li> <li>- 7-8/10 goals both in test and oral exam will have a grade between 23 and 26.</li> <li>- 9/10 goals both in test and oral exam will have a grade between 27 and 29.</li> <li>- 10/10 goals both in test and oral exam will have a grade between 30 and 30 cum laude.</li> </ul>
<b>EDUCATIONAL OBJECTIVES</b>	<ol style="list-style-type: none"> <li>1. Examine the methods of scientific research in the educational field</li> <li>2. Define the methodology of educational research paradigms</li> <li>3. Investigate quantitative and qualitative methods</li> <li>4. Define and structure mixed methods</li> <li>5. Identify the search methods</li> <li>6. Building the experimental design of a research</li> <li>7. Examine and build mixed assessment tools</li> <li>8. To elaborate and evaluate the results of the quantitative / qualitative research</li> <li>9. Study the conditions for the extensibility of the results</li> <li>10. Design a research with mixed methods plan</li> </ol>
<b>TEACHING METHODS</b>	<ul style="list-style-type: none"> <li>- Frontal teaching</li> <li>- Practice</li> </ul>
<b>SUGGESTED BIBLIOGRAPHY</b>	<p>Trinchero, R. &amp; Robasto, D. (2019). I mixed methods nella ricerca educativa. Milano: Mondadori Università.</p> <p>Maniscalco L. (2022). Inquiry Based Learning in Educazione. Sperimentazione e Valutazione. Roma: Anicia.</p> <p>I testi saranno integrati dai documenti forniti dal docente e caricati sulla pagina della disciplina alla voce "materiale didattico".</p>

## SYLLABUS

Hrs	Frontal teaching
3	Scientific research methods in education
3	The main paradigms of educational research

## SYLLABUS

Hrs	Frontal teaching
3	Empirical phenomenology
3	experimental research
3	Quantitative & qualitative methods
3	I mixed methods
3	Experimental designs in educational research
3	Experimental designs in educational research
3	multi methods design
3	mixed methods evaluation
Hrs	Practice
3	Techniques and tools for data collection mixed
3	The planning of a mixed research
3	multi methods design
3	Mixed methods evaluation
3	research example