



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Psicologiche, Pedagogiche, dell'Esercizio Fisico e della Formazione
ACADEMIC YEAR	2021/2022
BACHELOR'S DEGREE (BSC)	EDUCATIONAL SCIENCE
SUBJECT	EXPERIMENTAL PEDAGOGY
TYPE OF EDUCATIONAL ACTIVITY	B
AMBIT	50076-Discipline pedagogiche e metodologico-didattiche
CODE	05640
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	3
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>	Students will be able to: 1. Formulate an educational purpose 2. Identify an educational goal 3. Calculate from a series of data the following statistical parameters: frequency, mean and standard deviation.
<b>LEARNING OUTCOMES</b>	<p>Knowledge and understanding</p> <ol style="list-style-type: none"><li>1. Demonstrate knowledge and understanding of Experimental Pedagogy theories, methods and principles</li><li>2. Provide further studies in Experimental Pedagogy</li></ol> <p>Applying knowledge and understanding</p> <ol style="list-style-type: none"><li>1. Explain research design phases</li><li>2. Define and organise evaluation reserach tools</li></ol> <p>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 results</li></ol> <p>Communication skills</p> <ol style="list-style-type: none"><li>1. Communicate data within educational research</li><li>2. Explain educational research results</li></ol> <p>Learning skills</p> <ol style="list-style-type: none"><li>1. Design an educational 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.</p> <p>a. Methological and Semi-structured questionnaire to ensure the achievement of the following objectives:</p> <ol style="list-style-type: none"><li>1. Examine research scientific methods in education</li><li>2. Identify methods to research</li><li>3. Investigate quantitative and qualitative methods</li><li>4. Define and structure systematic observation in educational research</li><li>5. Building the experimental research design</li><li>6. Develop and evaluate research results</li></ol> <p>results</p> <p>The stimuli of semi-structured questionnaire will be 8. 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:</p> <ol style="list-style-type: none"><li>1. Define experimental research phases</li><li>2. Review and build assessment tools</li><li>3. Develop and evaluate research results</li><li>4. Analyze a final research report</li><li>5. Study the conditions for the extensibility of the results</li></ol> <p>The oral exam will be focus on the discussion of a hypothesis research design. The student will choose the research topic from the following issues: the development career development; perspectives for education research and education professions: the Evidence-Based Research and Design-Based Research (DBR); observation and evaluation of habit of the mind; media education and videogames. The hypothesis research design will be constructed followig 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>- 3/6 goals both in test and oral exam will have a grade between 18 and 22.</li><li>- 4/6 goals both in test and oral exam will have a grade between 23 and 26.</li><li>- 5/6 goals both in test and oral exam will have a grade between 27 and 29.</li><li>- 6/6 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 research scientific methods in education</li><li>2. Identify methods to research</li><li>3. Investigate quantitative and qualitative methods</li><li>4. Define and structure systematic observation in educational research</li><li>5. Define experimental research phases</li><li>6. Building the experimental research design</li><li>7. Review and build assessment tools</li><li>8. Develop and evaluate research results</li><li>9. Analyze a final research report</li><li>10. Study conditions for extensibility of results</li></ol>
<b>TEACHING METHODS</b>	- Frontal teaching

	- Practice
<b>SUGGESTED BIBLIOGRAPHY</b>	<p>Domenici G., Lucisano P. &amp; Biasi V. (2018). La ricerca empirica in educazione. Elementi introduttivi. Roma: Armando Editore.</p> <p>Cappuccio G. (2021). Storie di ricerca animata. I media tra paradigmi e valutazione. Parma: Edizioni Junior.</p> <p>L'elenco dei testi sara' integrato con dispense fornite dal docente o disponibili in rete.</p> <p>The final list of the texts will be supplemented with handouts provided by the professor in charge or available on the network.</p> <p>Cappuccio G. (2014). Cartoons nella prima infanzia. I bambini e la media education. Roma: Aracne.</p>

## SYLLABUS

Hrs	Frontal teaching
2	Scientific research methods in education
2	Experimental Education place in the education epistemological framework
2	Quantitative & qualitative methods
4	Systematic observation in experimental research
4	Research design planning: from questions to research style
4	Research design planning: from questions to research style
3	Experimental designs in educational research
3	Techniques and tools for data collection
4	Evaluation of results
2	Drafting of a research report
2	Conditions to the extendibility of results
Hrs	Practice
4	Experimental designs in educational research
3	Techniques and tools for data collection
6	Examples of educational research