

Course Title:	QUANTITATIVE AND QUALITATIVE ANALYSIS METHODS IN PHYSICS EDUCATION RESEARCH
Instructor	Claudio Fazio
N of hours	15
Description	Introduction to the basic methods used in research in Physics Education and Social Sciences
Contents	<ul style="list-style-type: none"> • Physics Education and Educational Reconstruction of the Physical content to be taught • Common-sense knowledge and scientific knowledge • Data collection methods in Physics Education • Descriptive and inferential statistics • Qualitative data analysis • Quantitative data analysis • Mixed methods • Case studies