

Course Title	Research methodology				
Course Code	PAR 101				
Course Type	Compulsory				
Level	Doctorate (PhD)				
Year / Semester	2 nd /3 rd				
Teacher's Name	Nasso Chrysochou				
ECTS	15	Lectures / week	4	Labs / week	-
Course Purpose	<p>The Course introduces PhD students to research methodologies in architecture. Introduction to the philosophy of knowledge, with emphasis on architecture, definition of architectural research and theory, and comparison of methodologies. The student develops the methodology appropriate to the thematic field, which has been chosen.</p> <p>The main purpose of the course is for the postgraduate students to understand the doctoral program. It is expected that students will be able to study critically the methodologies followed, to ask research questions, to structure the bibliographic review, to design research by selecting the appropriate methodology, to collect data by selecting the appropriate tool, to analyse the data they have gathered and record scientifically their findings and, more generally, to do scientific research. After the end of the course they should be able to design and develop qualitative research. In terms of quantitative research, they should be able to analyse their data and interpret the results of the analysis.</p>				
Learning Outcomes	<p>Students should be able to:</p> <ul style="list-style-type: none"> • Justify the role and importance of the research in the relevant field. • Distinguish the basic philosophical directions of research and its effects. • Design research, taking account legal constraints and ethical issues on the part of the researcher. • Formulate a problem by analyzing the purpose of the research and posing the research questions or research cases. 				

	<p>Distinguish the limitations of an investigation and how they are formulated in a scientific text.</p> <ul style="list-style-type: none"> • Choose the appropriate scientific sources within the bibliographic review and structure the gathered information in a scientific text. • Select the appropriate data collection tool, taking into account its features and constraints. • Choose the appropriate technical analysis of their data. • Construct integrated scientific text following the Chicago Manual of Style (15th ed.) <p>Be able to present a research at the level of a scientific conference</p>		
Prerequisites	Postgraduate Subjects	Co-requisites	-
Course Content	<ul style="list-style-type: none"> • What is research? Research types. The stages of an investigation. Literature review • Purpose of an investigation. Objectives of an investigation. Formulation of cases and research questions. • Necessity and importance of research. Prototypes • Data collection tools. Historically, archival, in situ, documentations, field observations, comparisons • Validity and reliability • Ethical issues of research • Interpretation and presentation of data • Writing a scientific text • Presentation of a paper in a scientific conference. 		
Teaching Methodology	<p>The lesson is conducted through presentations with lectures and notes and with regular corrections in the classroom. The aim of the course is for students to pursue an exploratory learning approach and to be able to present the text in a short time by PP.</p>		
Bibliography	<p>Della Porta, D., & Keating, M. (Eds.). (2008). Approaches and</p>		

	<p>Methodologies in the Social Sciences: A Pluralist Perspective. Cambridge: Cambridge University Press. doi:10.1017/CBO9780511801938</p> <p>Dee, P. (2006). Building a Successful Career in Scientific Research: A Guide for PhD Students and Postdocs. Cambridge: Cambridge University Press. doi:10.1017/CBO9781139165471</p> <p>Stephen Emmitt (2013), Architectural Technology: Research & Practice, Wiley</p>
Assessment	<p>Exercise Delivery (80%)</p> <p>Participation in lessons (20%)</p>
Language	Greek/ English