



Course Code EDUC-510	Course Title Educational Research: Principles and Methods of Qualitative and Quantitative Research	ECTS Credits 9
Department Education	Semester Fall and Spring	Prerequisites None
Type of Course Required	Field Research and Evaluation	Language of Instruction Greek
Level of Course 2 nd Cycle	Year of Study 2 nd	Lecturer(s) Dr Michael Vamvoukas
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the course:

- Explain quantitative and qualitative research approaches as well as their contribution to the improvement of education.
- Comment on the basic qualities of quantitative and qualitative research designs.
- Develop a research proposal choosing appropriate processes and approaches, based on the research aims and objectives.
- Examine critically pieces of research in education and interpret their findings.
- Transfer theory to practice through planning and bringing into closure a small-scale research study.
- Analyze quantitative and qualitative data.

Learning outcomes:

- Decide the kind of research appropriate for specific cases.
- Develop a thorough research proposal.
- Construct valid and reliable questionnaires.
- Read critically and interpret research articles.
- Analyze and interpret quantitative and qualitative research data.
- Describe a pilot research study.

Course content:

1. Basic concepts of educational research: variables, hypothesis testing, population, sample-sampling, internal and external validity.
2. Types of research.
3. Development of a research study and factors to be considered.
4. Questionnaire development and data collection.
5. Quantitative and qualitative analysis of data. Descriptive statistics.
6. Research validity.
7. Preparing a research article.

Learning activities and teaching methods:

Lecture, workshops, experiential seminars, individual and group work, individual feedback, case study analysis, student presentations.

Assessment methods:

Formative assessment, feedback, individual research, collaborative work, presentations, discussions.

Required textbooks/reading:

Authors	Title	Publisher	Year	ISBN
Ανδρεαδάκη, Ν. & Βάμβουκα, Μ.	<i>Οδηγός για την εκπόνηση και τη σύνταξη γραπτής ερευνητικής εργασίας</i>	Ατραπός	2005	
Βάμβουκα Μ.	<i>Εισαγωγή στην ψυχοπαιδαγωγική έρευνα και μεθοδολογία (8^η έκδ.)</i>	Γρηγόρης	2006	
Mason, J.	<i>Η διεξαγωγή της ποιοτικής έρευνας (μτφ. Ε. Δημητριάδου)</i>	Ελληνικά Γράμματα	2003	
Νοβα-Καλιτσούνη, Χ.	<i>Μεθοδολογία της εμπειρικής έρευνας στις κοινωνικές επιστήμες</i>	Gutenberg	2006	
Παπαναστασίου, Κ. & Παπαναστασίου, Ε. Κ.	<i>Μεθοδολογία Εκπαιδευτικής Έρευνας</i>	Συγγραφέας	2005	978-0-07-110186-8
American Psychological Association	<i>Publication manual. (5th ed.).</i>	APA	2001	9963817629
Fraenkel, J. R., & Wallen, N. E.	<i>How to design and evaluate research in education</i>	Prentice Hall	2003	1-55798-791-2