

COURSE OUTLINE

1. OVERVIEW

FACULTY	FACULTY OF HUMANITIES AND SOCIAL SCIENCES		
SECTION	DEPARTMENT OF PRIMARY EDUCATION		
LEVEL OF STUDY	UNDERGRADUATE		
COURSE TITLE			
Educational Research Methodology			
COURSE CODE	KN0404	SEMESTER	6
HOURS per WEEK	3	ECTS	4
COURSE CATEGORY	Compulsory	COURSE TYPE	General background
LANGUAGE OF INSTRUCTION AND EXAMINATIONS	Modern Greek	PREREQUISITES	
OFFERED TO ERASMUS	YES	ECLASS PAGE	https://eclass.uth.gr/courses/PRE_U_207/

2. LEARNING OUTCOMES

Learning Outcomes
Upon successful completion of the course, students are expected to: Be able to identify the concepts of scientific paradigms (quantitative, qualitative, critical) and state their main characteristics. Understand the deeper structure of a scientific article and be able to identify the basic elements of its structure, regardless of the order in which they appear Understand the key points of the development of a scientific article and place it in the quantitative, qualitative or critical paradigm. Distinguish concepts such as reliability and validity and their individual forms Be able to identify the different phases of conducting research and their constituent elements. Be able to roughly outline a research plan to serve a research problem.
General Competencies
Data and information search, analysis and synthesis, using IT as needed Adaptability to new situations Decision-making Autonomous work Teamwork Work in interdisciplinary contexts Project design and management Respect for diversity and multiculturalism Respect for natural environment Demonstration of social, professional and moral responsibility and sensitivity to gender issues Critical and self-critical thinking Advancement of free, creative and inductive thinking

3. CONTENT

Educational Research Methodology seeks to introduce undergraduate students to the range of research methods available to social scientists, to the theoretical and critical understanding of qualitative and quantitative research paradigms and mixed methods, and to methodological skills and analytical techniques for designing and implementing a research project. The course focuses on theoretical and empirical issues of research and writing. Lecture structure Introduction to scientific paradigms Introduction to Educational Research: The scientific way of producing knowledge, goals and importance of Educational Research.

Philosophical foundation and assumptions of quantitative and qualitative research: Similarities and Differences

Types of quantitative research designs: Surveys and Experimental designs.

Types of qualitative research designs: Phenomenological and Ethnographic Research, Case Study, Action Research

Research Design: defining a research problem, theoretical-conceptual framework, literature review

Research Design: defining a purpose, formulating research questions or hypotheses.

Sampling: probability and non-probability sampling designs

Creating research tools for quantitative and qualitative research

Ethical and ethical issues in educational research, validity and reliability

Designing and writing a research proposal

Use of bibliographic references and thesis structure

4. TEACHING AND LEARNING METHODS - ASSESSMENT

TEACHING MODE	In person		
USE OF ICT	Teaching and learning: Slide show Laboratory Training: Communication: Webmail / eClass		
COMPULSORY ATTENDANCE	NO	MAXIMUM NUMBER OF ABSENCES:	
TEACHING ORGANIZATION	Activity		Semester Workload (hours)
	Lectures		39
	Literature study & analysis		13
	Implementation of a study (project)		13
	Essay writing		15
	Study		30
	Examination		2
	Course total		112
EVALUATION			
	Type	Format	Weighting
	Final written exam	Multiple Choice Questions Open-Ended Questions	70%
	Intermediate written examination (mid-term)	Essay Development	30%
Description of other evaluation method / Evaluation criteria:			

5. RECOMMENDED BIBLIOGRAPHY

Core textbooks (available through the Eudoxus service)
Bryman, A. (2017) Μέθοδοι Κοινωνικής Έρευνας, Gutenberg
Creswell, J. (2016). Η Έρευνα στην Εκπαίδευση - Σχεδιασμός, Διεξαγωγή και Αξιολόγηση, Ποσοτικής και Ποιοτικής Έρευνας. Αθήνα: Ίων.
Σαραφίδου Γιασεμή-Όλγα (2011). Συνάρθρωση Ποσοτικών και Ποιοτικών Προσεγγίσεων : Η Εμπειρική Έρευνα. Αθήνα, Gutenberg
Κατσής, Α., Σιδερίδης, Γ., & Εμβαλωτής, Α. (2010). Στατιστικές Μέθοδοι στις Κοινωνικές Επιστήμες. Αθήνα: Τόπος
Other books / Notes
Lectures' PPTs
Cohen, L., Manion, L. and Morrison, K. (2008) Μεθοδολογία εκπαιδευτικής έρευνας. Μεταίχμιο
Scientific journals
Scientific articles
Other