Course Name : Research Methods and Academic Writing

Course Code	Course Type	Regular Semester	Lecture (hours/week)	Seminar (hours/week)	Lab. (hours/week)	Credits	ECTS
CMP 305	A	Fall	3.00	3.00	0.00	3.50	6.00

Lecturer	Arti Omeri, PhD
Assistant	Ermira Shkreta, Msc
Course language	Albanian
Course level	Bachelor
Description	This course aims to explain how a research can be implemented and ensuring that it is based on the right method, thus providing theoretical-critical-analytical support about the usefulness of doing research, but it will also be a guide and help on how to write a research.
Objectives	At the end of the course students will be able to: 1. Understand the concept of "scientific method" and the attitudes that should be maintained towards research and should be able to conduct detailed research. 2. Should be able to define a research topic and a focus or hypothesis for research 3. Write a literature review 4. Conceive and propose a research project 5. Develop a complete research project
Core Concepts	1. -Critical Evaluation 2.-Plagiarism 3.-Research models

Course Outline

Week	Topic
1	What is scientific research? Characteristics of scientific research. Quality in scientific research. (pp. 6-16) In this lecture there will be discussed in more detail the nature and objectives of research in education, as well as the role of scientific research in education
2	Knowledge, theories, paradigms and perspectives. (pp. 42-53) In this lecture there will be addressed issues such as the nature of the subject of scientific research in the social sciences.
3	Nature of data. (pp. 88-91) In this lecture there will be discussed issues such as data characteristics, use of data as a representation of social reality., methodologies, data collection methods, and the review of various sources of literature.
4	Research Questions, (pp. 150-20) In this lecture there will be treated issues such as hypotheses, operational definitions of research. The lecture also addresses issues such as Research Questions.
5	Planning a research project. Definition, practical aspects Planning and drafting research and research work in education. Structuring a study platform (pp. 56-58,) In the lecture there will be discussed the steps for planning and preparing a paper.
6	Critical evaluation of the literature. Literature search. (pp. 70-80) The lecture also sheds light on the practical aspects of literature review. Literature review process.
7	Research models. Qualitative model and quantitative model. Level and unit of research. Research strategies. (pp. 110-130) The lecture sheds light on the research tools used for papers.
8	Mid-Term Exam
9	Multidimensional measurement. Questionnaires, scales, measurement tests. Preparing questionnaires and interviews. (pp. 200-230) The lecture extensively addresses issues such as data collection, questionnaires, and semi-structured interviews. In this lecture multidimensional measurements will be detailed.
10	Focus groups. (pp. 230-262) In this lecture there will be discussed issues such as observation, secondary data sources, and focus groups.

11	Data analysis. Features of the analysis. Statistical analysis (pp.185-200) In this lecture there will be discussed issues such as Data Collection, Data processing and presentation, and Characterization of data.
12	Thematic analysis. (pp. 200-220) In this lecture there will be discussed issues such as dealing with qualitative data, and narratives, discourse, and content analysis.
13	Academic writing, the process of writing. Scope and characteristics of its usage. (pp. 60-70) Academic writing - structured research written by one or more students for others, which addresses one or more issues of interest in a particular field, to anyone seeking information and arguments of a student.
14	Planning and structure of academic writing. Strategies of writing (pp. 60-70) Planing • Preliminary ordering, creation, drafting, formulation
15	Reference system. Plagiarism. Ethics and scientific research (pp. 70 -85) In this lecture there will be discussed topics such as the values and social ethics of educational research, Ethics - moral and social values of social research.
16	Final Exam

Prerequisites	The student must attend the course at a minimum rate of 75%.
Literature	• Bob Matthews, Liz Ross (CDE 2010). Metodat e hulumtimit - Udhëzues praktik për shkencat sociale dhe humane • Jill Lewis, Studimi akademik. CDE, 2005, Tiranë • Umberto Eco. Si shkruhet një punim diplome. Dituria. 2006. Tiranë
References	• Dawson, C. (2007 A practical quide to reseach methods. Howto books. Oxford • Dawson, C. (2006) The mature student's study guide. Hoë to books.Oxford, UK

Course Outcome

1	The student will be able to analyze the data collection process in social sciences and computer science
2	The student will be able to discuss the importance of research ethics and explain the concept of ethics
3	The student will be able to classify ethical values in scientific research and evaluate ethical rules that are appropriate research in social sciences.
4	Students will be able to deepen their scientific and professional knowledge, as a necessary step for creation, independence, and capabilities in implementing the research.
5	The student will be able to perform scientific tasks (essays, course assignments, other works, diploma thesis, etc.)
6	Critical thinking will be encouraged by recognizing the sensitivity of the work as well as its understanding.

Course Evaluation

In-term Studies	Quantity	Percentage
Midterms	1	35
Quizzes	0	0
Projects	0	0
Term Projects	0	0
Laboratory	0	0
Class Participation	1	10
Total in-term evaluation percent		**45**
Final exam percent		**55**
Total		**100**

ECTS Workload (Based on Student Workload)

Activities	Quantity	Duration (hours)	Total (hours)
Course duration (Including the exam week: 16x Total hours of the course)	16	6	96
Study hours outside the classroom (Preparation, Practice, etc.)	14	3	42
Duties	0	0	0
Midterms	1	6	6
Final Exam	1	6	6
Other	0	0	0
Total Work Load			**150**
Total Work Load / 25 (hours)			**6.00**
ECTS			**6.00**