



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods and Techniques in Education							
Course Code		EPÖ505		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	131 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To get the students to have the knowledge of basic concepts about research methods. To be able to prepare a research proposal according to research desing principles. To be able to evaluate a study according to the research methos principals To obey research publication ethics							
Course Content		Basic concepts in research, science-research relations, the classification of researchs, research models, the basic process of a research, problem and aim of a research, research models, sampling and data collecting tecniques, basic statistic techniques, data analysis, interpretation and evalutation, findings and interpeation, abstract, judgement and recommendations, how to develop scientific attitude and behavior, research publication ethics, to write a reseach proposal and report.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)		Lec. Nurtaç ÜSTÜNDAĞ KOCAKUSAK							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	30
Attending Lectures	7	10
Assignment	7	10
Term Assignment	1	30

Recommended or Required Reading

1	Erkuş, A. (2005). Bilimsel Araştırma Sarmalı. İstanbul: Seçkin Yayıncılık.
2	Karasar, N. (2005). Bilimsel Araştırma Yöntemi (14. baskı). Ankara: Nobel Yayın Dağıtım.
3	Karasar, N. (2005). Araştırmalarda Rapor Hazırlama(11. baskı). Ankara: Nobel Yayın Dağıtım.
4	Yıldırım, C. (2007). Bilim Felsefesi (11. basım). İstanbul: Remzi Kitabevi.
5	Ekiz, D. (2009). Bilimsel araştırma yöntemleri: Yaklaşım, yöntem ve teknikler. Anı Yayıncılık.
6	Arıkan, R. (2011). Araştırma yöntem ve teknikleri. Nobel Yayın Dağıtım.
7	Balcı, A. (2001). Sosyal Bilimlerde Araştırma Yöntem ve Teknikleri. Pegem Yayınevi, Ankara.
8	Kothari, C. R. (2004). Research methodology: Methods and techniques. New Age International.
9	Cassell, C., & Symon, G. (Eds.). (2004). Essential guide to qualitative methods in organizational research. Sage.
10	Corbetta, P. (2003). Social research: Theory, methods and techniques. Sage.

Week	Weekly Detailed Course Contents	
1	Theoretical	Resources of information, the practical bases of solving a problem, science, scientific research. ethics, publication ethics
2	Theoretical	How to make a research? Making report of the research appropriately to scientific publication ethics
	Preparation Work	Reading about "How to make a research"
3	Theoretical	Research training and how to prepare a bibliography within the framework of ethics rules
	Practice	Making citation and preparing bibliography
	Preparation Work	Reading about research training and how to prepare a bibliography
4	Theoretical	How to determine problem and to write a problem sentence
	Practice	Writing a problem sentence
	Preparation Work	Reading about problem and problem sentence
5	Theoretical	Aim, importance, assumptions, limitations, descriptions
	Practice	Writing "aim, importance, assumptions, limitations, descriptions"
	Preparation Work	Reading about how to determine and write "aim, importance, assumptions, limitations, descriptions"



6	Theoretical	Method- Research model
	Preparation Work	Reading about how to determine and to write method-research model
7	Theoretical	Method- Research model
	Practice	Determining and writing method-research model
8	Preparation Work	Review of the topics studied
	Intermediate Exam	Mid term
9	Theoretical	Sample and target population
	Practice	Determining and writing sample and target population
	Preparation Work	Reading about sample and target population
10	Theoretical	Data and data collection
	Preparation Work	Reading about data and data collection
11	Theoretical	Measuring and scaling types
	Preparation Work	Reading about measuring and scaling types
12	Theoretical	Observation, interview, correspondence, document analysis
	Preparation Work	Reading about observation, interview, correspondence, document analysis
13	Theoretical	Findings and interpretation
	Preparation Work	Reading about findings and interpretation
14	Theoretical	Summary, judgement and suggestions
	Preparation Work	Reading about summary, judgement and suggestions
15	Theoretical	The evaluation of the term
16	Preparation Work	Review of the topics studied
	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Lecture - Practice	14	3	2	70
Term Project	1	1	1	2
Reading	2	2	0	4
Midterm Examination	1	5	1	6
Final Examination	1	6	1	7
Total Workload (Hours)				131
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Knowledge of the fundamental concepts about research methods
2	To be able to recognize the stages of scientific methods
3	To be able to recognize the research ethics of the scientific research
4	To be able to define the qualities of scientific approach
5	To be able to prepare a research proposal according to research desing principles
6	To be able to evaluate a study in terms of the research methos principals
7	To be able to develop scientific attitudes and behaviors in the research and research plans
8	To be able to report a research proposal approprite to research design and research ethics principles

Programme Outcomes (Curriculum and Instruction Master)

1	To be able to use the basic concepts in the field of Curriculum Development and Instruction correctly
2	To be able to comprehend philosophical, social, historical and psychological principles influencing curriculum
3	To be able to analyze theoretical bases of learning-teaching theories and approaches
4	To be able to evaluate any curriculum in accordance with scientific principles
5	To be able to prepare a curriculum design cooperatively in accordance with principles and criteria
6	To be able to follow contemporary implementations, and national and international academic publications
7	To be able to prioritize scientific methods and ethical principles in educational sciences while considering and implementing field specific professional issues
8	To be willing to do scientific research in the field of Curriculum and Instruction



9 To be able to appreciate curriculum development profession as a professional identity

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7	L8
P1	5	4	5	5	5	5	5	5
P2	3	4	5	5	5	5	5	5
P3	4	3	5	4	5	5	5	5
P4	5	5	5	4	3	3	5	3
P5	4	3	5	5	3	4	5	3
P6	4	4	5	5	4	4	5	4
P7	5	4	5	5	5	5	5	5
P8	5	3	4	4	4	5	4	4
P9	5	4	4	4	4	3	5	4

