AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Research Methods and Techniques in Education								
Course Code	EPÖ569		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	5	Workload	125 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The purpose of this research is to help studentys to prepare a research proposal suitable for scientific research methods and techniques, by make them know about the basic scientific academic research approaches and techniques.								
Course Content	Basic concepts on research, science-research relationship, classification of research, research models, research processes, problems and objectives, method, research model, sampling and data collection techniques, basic statistical techniques, data analysis, interpretation and evaluation, results and comments, summary, judicial and development of scientific attitude and behaviour, research proposals, proposal and report writing.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)	Lec. Meltem ÇENGEL SCHOVILLE								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Assignment	1	20

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	The source of information and practical foundations of problem solving, science, scientific method
2	Theoretical	Research
	Preparation Work	Reading about "How to make a research"
3	Theoretical	Writing a bibliography and research education and representation of attribution
	Practice	Making citation and preparing bibliography
	Preparation Work	Reading about research training and how to prepare a bibliography
4	Theoretical	Problem
	Practice	Writing a problem sentence
	Preparation Work	Reading about problem and problem sentence
5	Theoretical	The Purpose, Importance, Assumption, Limitations, Definitions
	Practice	Writing "aim, importance, assumptions, limitations, descriptions"
	Preparation Work	Reading about how to determine and write "aim, importance, assumptions, limitations, descriptions"
6	Theoretical	Method-The Mining Model
	Preparation Work	Reading about how to determine and to write method-research model
7	Theoretical	Method-The Mining Model
	Practice	Determining and writing method-research model

8	Intermediate Exam	Midterm Exam
9	Theoretical	The Sample Universe
	Practice	Determining and writing sample and target population
	Preparation Work	Reading about sample and target population
10	Theoretical	Collection of data
	Preparation Work	Reading about data and data collection
11	Theoretical	Measurement and Scale Types
	Preparation Work	Reading about measuring and scaling types
12	Theoretical	Observation, Interviews, Correspondence, Documentary Screening
	Preparation Work	Reading about observation, interview, correspondence, document analysis
13	Theoretical	The findings and Comments
	Preparation Work	Reading about findings and interpretation
14	Theoretical	In summary, the judiciary and the Suggestions
	Preparation Work	Reading about summary, judgement and suggestions
15	Theoretical	General Evaluation
16	Theoretical	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Assignment	5	0	2	10
Reading	14	0	2	28
Midterm Examination	1	6	1	7
Final Examination	1	8	2	10
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Knowledge of fundamental concepts related to scientific research methods
2	To be able to prepare a research proposal appropriate for scientific research methods and principles
3	To be able to evaluate a research according to scientific criteria
4	To be able to recognize the stages of scientific methods
5	To be able to recognize the ethics of the scientific research
6	To be able to define the qualities of scientific approach

Programme Outcomes *(Curriculum and Instruction Master's Without Thesis)*

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 curriculuma
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
P1	5	4	5	5	5	5
P2	5	4	4	5	5	5
P3	5	5	5	5	4	4
P4	4	5	4	4	5	4
P5	4	4	5	4	5	5

P6	5	5	5	4	4	4
P7	4	4	4	5	4	5
P8	5	5	4	5	5	4
P9	4	5	4	5	5	5