



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research Methods and Ethics							
Course Code		İKP510		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	125 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The main goal of the course ist to improve the understanding of scientific research and to criticise research articles and write simple research proposals.							
Course Content		Science; Scientific paradigmas; Quality of scientific research; Types of scientific research; Parts of a scientific research; Choosing a research problem; Research models (surveys; experimental designs); Population and sample; Validity and reliability; Content analysis; Survey; Attitudes and attitude scales; Observation; Interview; Research ethics.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Assoc. Prof. Mehmet BÖLÜKBAŞ, Lec. Mehmet AYDINER							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Yıldırım, A. ve Şimşek, H. (1999). Sosyal bilimlerde nitel araştırma yöntemleri. Ankara: Seçkin
2	Kuş, E. (2003). Nicel ve nitel araştırma teknikleri. Ankara: Anı.
3	Arlı, M. ve Nazik, H. (2001). Bilimsel araştırmaya giriş. Ankara: Gazi kitabevi.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction
2	Theoretical	Science, paradigms in science
3	Theoretical	Problem statement, purpose, significance, limitations, assumptions in sientific research
4	Theoretical	Methods in Scientific Research: Survey methods
5	Theoretical	Methods in Scientific Research: Experimental models
6	Theoretical	Population and sample
7	Theoretical	Validity and reliability
8	Intermediate Exam	Midterm exam
9	Theoretical	Data Collection Tools
10	Theoretical	Observation
11	Theoretical	Interview
12	Theoretical	Results
13	Theoretical	Discussion
14	Theoretical	Ethics in science and scietific research
15	Theoretical	Ethics in science and scietific research
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Individual Work	7	2	2	28
Midterm Examination	1	10	1	11



Final Examination	1	15	1	16
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be able to state the ethics and principles that need to be implemented in scientific research
2	To be able to write research proposals
3	To be able to criticise research papers
4	To be able to explain the advantages and disadvantages of data-collecting techniques
5	To be able to evaluate data-collecting instruments based on validity and reliability criteria

Programme Outcomes (*Economic Policy Master*)

1	To be able to understand and interpret basic economic concepts, theories and methods
2	To be able to apply mathematical, statistical and econometric analysis tools to economic problems
3	To be able to interpret the structure and characteristics of the markets in the economy by understanding current economic events.
4	To be able to describe the role of innovation, creativity and technology in the dynamic global economy.
5	Ability to prepare projects and acquire creativity skills
6	Ability to analyze macro and micro economic developments
7	Being able to adopt the philosophy of lifelong learning

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

	L1	L2	L3	L4	L5
P1	4	3	3	4	4
P2	3	4	3	3	3
P3	4	3	3	4	4
P4	3	4	5	3	3
P5	4	4	4	4	4
P6	5	5	5	4	3
P7	4	4	4	5	4

