AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Scientific Research Methods							
Course Code		IFC505		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	125 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to teach students the knowledge and skills necessary to conduct scientific research.							
Course Content		The basic concepts on scientific research, research methods, the instruments for collecting data, analysis of data, literature review, problem solving, validity and reliability in the research, basic statistics, writing a research report.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Individual Study					
Name of Lecturer(s)		Assoc. Prof. Ali Serdar SAĞKAL							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Cohen, L., Manion, L., & Morrison, K. (2013). Research methods in education. Routledge.
2	Karasar, N. (1999). Bilimsel Araştırma Yöntemi. Ankara: Nobel Yayın Dağıtım.
3	Şener, B., Çakmak, E. K., Akgün, Ö. E. ve Karadeniz Şirin ve Demirel, F. (2013). Bilimsel araştırma yöntemleri. Ankara: Pegem Akademi Yayınları.
4	Taylor, S. J., Bogdan, R., & DeVault, M. (2015). Introduction to qualitative research methods: A guidebook and resource. John Wiley & Sons.

Week	Weekly Detailed Course Contents	
1	Theoretical	Information sources related to reality: Experience, reasoning, research
2	Theoretical	Basic assumption and nature of science
3	Theoretical	Quantitative and qualitative approaches
4	Theoretical	Quantitative research methods: Survey, experimental designs
5	Theoretical	Qualitative research methods: Etnography, phenomenology, case study, grounded theory
6	Theoretical	Developmental research, historical research, action research
7	Theoretical	Data gathering techniques: Questionnaire, observation, interview, document analysis
8	Theoretical	Midterm Exam
9	Theoretical	Population, sample, sampling: Probability sampling, purposeful sampling
10	Theoretical	Quality in educational research: Validity, reliability, objectivity, generalizability
11	Theoretical	Ethics in scientific research
12	Theoretical	Writing research problem
13	Theoretical	Literature review and citation
14	Theoretical	Quantitative data analysis
15	Theoretical	Quantitative data analysis
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	14	0	2	28
Term Project	2	0	7	14
Individual Work	14	0	2	28
Midterm Examination	1	5	1	6

Final Examination	1	6	1	7
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To explain the basic concepts related to the research.
2	To construct research problem and hypothesis.
3	To explain the research methods and the instruments for collecting data.
4	To explain how to analyze the data.
5	To prepare a scientific research report.

Programme Outcomes *(Family Counseling Interdisciplinary Master)*

1	To learn the theories and applications of family and couple counseling
2	To gain family counseling skills in child and adolescent psychopathology
3	To apply scientific research methods
4	To look at parenting from a developmental perspective
5	Intervention to solve the crisis in the family
6	To gain communication and conflict resolution skills in the family
7	To analyze data using advanced statistical methods
8	To apply the techniques of interview and evaluation with family
9	To learn divorce mediation
10	To learn close relationships psychology and the communication between close relationships
11	To learn the basic theoretical explanations for the psychology of adulthood
12	To learn developmental psychopathology
13	To learn sexual dysfunctions and therapy
14	To learn to look at gender differences from a social psychology perspective

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

	L1	L2	L3	L4	L5
P3	5	5	5	4	5
P7	5	5	5	5	5
P8	4	5	5	5	5