AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Scientific Research Techniques								
Course Code	ÇGEL547		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	54 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To have knowledge about scientific research methods and techniques.								
Course Content	To know what to do in a research that will be done using Scientific Research Method, how to follow a path, how to find problematic, how to conceive the objective, how to determine the right method for research, how to develop test materials, how to transfer citations and how to find out and reach the results.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Final Examination	1	60
Assignment	2	20
Term Assignment	1	20

Recommended or Required Reading	
1	1. Karasar,N. (2011). Bilimsel Araştırma Yöntemi, Nobel Yayınları, Ankara
2	2. Şenol, Ş. (2012). Araştırma ve Örnekleme Yöntemleri, Nobel Yayınları, Ankara
3	3. Büyüköztürk, Ş.; Çakmak, E.K.; Akgün, Ö.E. (2012). Bilimsel Araştırma Yöntemleri, Pegem Yayınları, Ankara
4	1. Büyüköztürk, Ş.; Çakmak, E.K.; Akgün, Ö.E. (2012). Bilimsel Araştırma Yöntemleri, Pegem Yayınları, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Science, Research, Scientific Research Concepts
2	Theoretical	Pillars of Scientific Research
3	Theoretical	Scientific Research Models
4	Theoretical	Problem, Hypothesis, Theory
5	Theoretical	Sample Methods
6	Theoretical	Sampling Methods
7	Theoretical	Sampling Methods
8	Theoretical	Data Collection Methods
9	Theoretical	Institutional Approval and Informed Consent
10	Theoretical	Definition of measurement, qualifications sought in measuring instruments, measurement process
11	Theoretical	Data Entry and Analysis
12	Theoretical	Data Analysis and Interpretation
13	Theoretical	Reporting
14	Theoretical	STROBE
15	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	2	1	2	6
Term Project	1	1	2	3

Final Examination	1	1	2	3
			Total Workload (Hours)	54
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	1. To aware of the scientific research method is a cumulative culture developed by academic circles for centuries.
2	2. The qualifications of the scientific method have knowledge about the types of research.
3	3. Do research using scientific research method.
4	4. Learn how important scientific reasoning is.
5	Yöntembilmin kaydettiği aşamaları bilir.

Programme Outcomes *(Child Development Master)*	
1	1. Has a deep and systematic level of knowledge about self-care, physical-motor, cognitive-language, social-emotional development areas of 0-18 year old children.
2	Knows all concepts about the development and the education of 0-18 year old children and youth by developing the habit of research and learning, keeping consciousness and knowledge constantly throughout life, and follows the studies on this subject.
3	Uses his/her knowledge about self-care, physical-motor, cognitive-language, social-emotional development of 0-18 year old children for the developmental and educational diagnosis of children, in the units related to his/her profession for the benefit of children, families and society.
4	Identifies the problems in his/her country on health, developmental, educational and social services issues of 0-18 year old children and their families, produces appropriate solutions and original ideas using his/her basic knowledge about these problems.
5	Using his/her basic information on the topics of Child Development and Education, makes suggestions, transfers the learned topics into practice, interprets information and results from practice. Analyzes the scientific research published in the field with a critical point of view.
6	Can use his/her accumulated information on his/her profession in favor of health, educational and social services organizations, particularly for children and their families, takes active roles in developmental and educational programs and related projects; participates in researches.
7	Acts in accordance with the ethics of science, observes the psychological state of the children and their families in experimental researches on children.
8	Behaves in accordance with laws, regulations and legislation and respectful of democracy, human rights, social, scientific and professional ethical values, presenting an example for the society with his/her attitude, behavior and appearance.
9	Has adequate awareness about quality management and processes, individual and environmental protection and occupational safety issues including infants, children and families, participates and behaves accordingly in these processes.
10	Can integrate his/her accumulated information about his/her profession with information from different disciplines, and can create multidisciplinary workspaces by participating team work.

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

	L1	L2	L3	L4	L5
P8	5	5	5	5	5