AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Scientific Research and Publication Ethics								
Course Code	ORD659		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	KNOWING RESEARCH TECHNIQUES								
Course Content	Especially learning health science methods								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	50
Final Examination	1	50

Recommended or Required Reading	
1	Bilimsel Araştırma Yöntemleri ve Yayın Etiği Yalçın Karagöz

Week	Weekly Detailed Course Contents	
1	Theoretical	LEARNİNG PROGRAMME
2	Theoretical	Planning, using and testing
3	Theoretical	learning strategies
4	Theoretical	learning and teaching techniques
5	Theoretical	learning strategies
6	Theoretical	designing and managing learning classes
7	Theoretical	basic principals and terms at early childhood
8	Theoretical	testing methods at early childhood
9	Theoretical	properties that must be in testing methods
10	Theoretical	properties at testing methods
11	Theoretical	testing methods at education
12	Theoretical	Testing methods at education
13	Theoretical	statictical methods of testing
14	Theoretical	statistical methods

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	2	28
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to explain scientific research and its properties
2	to be able to apply appropriate research methods and techniques
3	To be able to write a report according to scientific writing rules
4	Design the stages of scientific research method

5	Write research report

Programme Outcomes *(Orthodontics Doctorate)*	
1	Must know the transition procedure from primary dentition to permanent dentition, tooth eruption guidance, the precausions for tooth absence and bad habbits.
2	May be able to diagnose the orthodontic malocclusion and able to present treatment alternatives for the case.
3	May be able to apply the analysis necessary for diagnosis, such as cephalometric analysis and model analysis and must know the occlusion.
4	Must know the orthdontic tooth movement, the force necessary for the tooth movement, and be able to take the precausions according to the unwanted tooth movements.
5	Must be able to diagnose the functional malocclusions and apply functional appliances.
6	Must be able to apply fixed treatment techniques used in our clinic such as edgewise, Roth, Alexander, MBT
7	Must be aware of the new treatment techniques and improvements in orthodontics.
8	Must know how the craniofacial complex developes and be able to follow the patient’s development and growth.
9	Must be able to know how to apply removable appliances and their fabrication and their effects.
10	Must know about the retention period for the patient in order to keep the treatment results stable.

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

	L1	L2	L3
P1	5	5	5
P2	4	4	3
P3	5	5	4
P4	4	4	3
P5	4	5	4
P6	3	5	4
P7	4	4	1
P8	5	4	4
P9	4	5	5
P10	5	3	2