



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Fixed Orthodontic Techniques							
Course Code		ORD608		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	150 ( <i>Hours</i> )	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		It is aimed to explain the philosophy of Edge-wise, Ricketts, Roth, Alexander, MBT, Self ligating and lingual techniques and Begg techniques, and their mechanics and application stages.							
Course Content		Different fixed orthodontic techniques, mechanics, retention treatment and fabrication and applications of retention appliances.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Tweed C H: Clinical Orthodontics. The CV Mosby Company, Saint Louis 1966 , volume 1 ve 2.
2	Ülgen M: Ortodontik Tedavi Prensipleri, A.Ü Dişhekimliği Fakültesi Yayınları Ankara 1983.
3	Proffit W, Fields H: Contemporary Orthodontics, The CV Mosby Company, Saint Louis 1986.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to fixed orthodontic mechanics
	Practice	Introduction to fixed orthodontic mechanics
2	Theoretical	Edge-wise technique
	Practice	Edge-wise technique
3	Theoretical	1st, 2nd, 3rd order bends
	Practice	1st, 2nd, 3rd order bends
4	Theoretical	Clinical stages of Edge-wise technique
	Practice	Clinical stages of Edge-wise technique
5	Theoretical	Historical background of Straight wire appliance
	Practice	Historical background of Straight wire appliance
6	Theoretical	Philosophy and history of Roth technique
	Practice	Philosophy and history of Roth technique
7	Theoretical	Treatment mechanics and application stages of Roth technique
	Practice	Treatment mechanics and application stages of Roth technique
8	Theoretical	Treatment mechanics and philosophy of Alexander technique
	Practice	Treatment mechanics and philosophy of Alexander technique
9	Theoretical	Treatment mechanics and philosophy of MBT technique
	Practice	Treatment mechanics and philosophy of MBT technique
10	Theoretical	Treatment mechanics and philosophy of Self ligating technique
	Practice	Treatment mechanics and philosophy of Self ligating technique
11	Theoretical	Lingual technique and mechanics
	Practice	Lingual technique and mechanics
12	Theoretical	Working order according the anchorage demand
	Practice	Working order according the anchorage demand
13	Theoretical	Retention treatment
	Practice	Retention treatment
14	Theoretical	Retention appliances and applications



14	Practice	Retention appliances and applications
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Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	2	0	12	24
Seminar	1	0	10	10
Individual Work	4	0	10	40
Midterm Examination	1	8	2	10
Final Examination	1	8	2	10
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes	
1	Students who have successfully completed this course learn the edgewise technique in detail.
2	Learns Straight wire technique in detail.
3	Has knowledge about different fixed treatment methods.
4	Has knowledge about retention treatment.
5	Has knowledge about fabrication and application of retention appliances.

Programme Outcomes (Orthodontics Doctorate)	
1	Must know the transition procedure from primary dentition to permanent dentition, tooth eruption guidance, the precautions for tooth absence and bad habits.
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 orthodontic tooth movement, the force necessary for the tooth movement, and be able to take the precautions 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 develops 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	L4	L5
P1	2	1	2	2	3
P2	3	3	3	3	2
P3	3	2	2	4	3
P4	3	3	4	5	4
P5	2	5	5	4	4
P6	5	5	5	5	5
P7	4	4	4	3	4
P8	5	4	3	2	3
P9	4	4	3	3	4
P10	3	5	4	5	5

