AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Vertical Anomalies and Treatment							
Course Code	ORD623		Couse Level	Third Cycle (Doctorate Degree)				
ECTS Credit	6	Workload	150 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	To give the learner the skills of accurately diagnose, treatment planning and apply treatment for vertical anomalies.							
Course Content	To diagnose and treatment planning of vertical anomalies, to learn vertical growth control methods, treatment options to be applied in cases associated with sagittal anomalies and also retention principles are taught.							
Work Placement	N/A							
Planned Learning Activities and Teaching Methods			Explanation (Presentation)					
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	Etiology of vertical anomalies
2	Theoretical	Vertical growth and growth prediction
3	Theoretical	Growth modification
4	Theoretical	Diagnosis and treatment principles of high angle cases
5	Theoretical	Vertical growth control methods
6	Theoretical	High angle cases accompanied by sagittal anomalies and their treatment methods
7	Theoretical	Molar intrusion
8	Theoretical	Retention principles of high angle cases
9	Theoretical	Diagnosis and treatment principles of low angle cases
10	Theoretical	Deepbite correction mechanics
11	Theoretical	Low angle cases accompanied by sagittal anomalies and their treatment methods
12	Theoretical	Retention principles of low angle cases
13	Theoretical	The Evaluation of Treatment Results (Case analysis)
14	Theoretical	The Evaluation of Treatment Results (Case analysis)

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	2	0	14	28
Individual Work	6	0	10	60
Midterm Examination	1	9	1	10
Final Examination	1	9	1	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 to accurately diagnose the vertical malocclusions.
2	Has knowledge about etiological factors of vertical malocclusions.
3	Has knowledge about growth prediction and vertical growth control methods.
4	Has knowledge about different treatment mechanics can be applied.
5	The learner is expected to be able to treat vertical malocclusions and apply retention treatment.

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	L3	L4	L5
P2	5		4	
P8	4	5	4	
P10				5