



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Orthodontic Anomalies and Etiology							
Course Code		ORD603		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	150 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		It is aimed to give information about the diagnosis, etiologic factors of individuals with dental and skeletal orthodontic anomalies.							
Course Content		Diagnosis, etiology and spesific treatments of orthodontic anomalies with the inclusion of cleft lip and palate, dentofacial deformities, congenital craniofacial anomalies.							
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	Proffit WR, White RP, Sarver DM. Contemporary treatment of dentofacial deformity. St Louis: Mosby Inc., 2003.
2	William R. Proffit, Henry W. Fields, David M. Sarver. Contemporary Orthodontics, Mosby, St. Louis, 2007. Graber TM, Vanarsdall RL, Vig KWL. Eds. Orthodontics: Current principles and techniques. St Louis: Elsevier Inc., 2005.

Week	Weekly Detailed Course Contents	
1	Theoretical	Sagittal orthodontic anomalies
2	Theoretical	Vertical orthodontic anomalies
3	Theoretical	Transversal orthodontic anomalies
4	Theoretical	Etiologic factors
5	Theoretical	Prevalence and etiology of dentofacial deformities
6	Theoretical	Treatment of dentofacial deformities
7	Theoretical	Facial syndromes and congenital anomalies
8	Theoretical	Facial syndromes and congenital anomalies
9	Theoretical	Genetic predisposition
10	Theoretical	Basic genetic definitions
11	Theoretical	Types of genetic effect and modes of inheritance
12	Theoretical	Heritability and its estimation
13	Theoretical	Habits and their effects
14	Theoretical	Habits and their effects

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	4	0	7	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 know and classify orthodontic anomalies in three dimensions.
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2	Has knowledge about basic genetics.
3	Has knowledge about genetic predisposition and genetic disorders associated with orthodontic anomalies.
4	Has knowledge about dentofacial deformities.
5	Has knowledge about the possible etiologic factors of anomalies.

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	L3	L4	L5
P1				5
P2	4	2	2	2
P3	1			2
P5	3			3
P8	3	4	5	5

