AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Orthodontic Diagnostic Methods and Cephalometry								
Course Code	ORD601		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	6	Workload	150 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To introduce the models, photographs and x-ray methods that can be used for diagnosis of orthodontic anomalies and cause the student to gain the ability of normal morphology and anomalies of jaws and face. Students taking this course will gain the ability to identify the direction and severity of their patients' orthodontic anomalies comparing with normal values.								
Course Content	Orthodontic diagnostic methods, evaluation of orthodontic photograps, skeletal growth, posteroanterior and cephalometric analysis and using the results of these analysis for treatment planning.								
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	Moyers RE, Handbook of Orthodontics, Year book Mrdical Publishers, 1980
2	Athanasiou AE. Orthodontic Cephalometry, Mosby, StLouis, 1995
3	Uzel İ., Enacar A., Ortodontide Sefalometri, Yargıçoğlu Matbaası, Ankara, 1984
4	Ülgen, M.: Ortodonti (Anomaliler, Sefalometri, Etyoloji, Büyüme ve Gelişim, Teşhis), 2. basım, Ankara Üniversitesi Basımevi, Ankara, 2001

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to diagnostic methods and cephalometry
	Practice	Introduction to diagnostic methods and cephalometry
2	Theoretical	Orthodontic model and photograph analysis
	Practice	Orthodontic model and photograph analysis
3	Theoretical	Three-dimensional imaging methods
	Practice	Three-dimensional imaging methods
4	Theoretical	Posteroanterior film analysis
	Practice	Posteroanterior film analysis
5	Theoretical	Cephalometric landmarks and planes
	Practice	Cephalometric landmarks and planes
6	Theoretical	Arnett analysis and treatment planning
	Practice	Arnett analysis and treatment planning
7	Theoretical	Epker analysis and treatment planning
	Practice	Epker analysis and treatment planning
8	Theoretical	McNamara analysis and treatment planning
	Practice	McNamara analysis and treatment planning
9	Theoretical	Tweed analysis and treatment planning
	Practice	Tweed analysis and treatment planning
10	Theoretical	Steiner analysis and treatment planning
	Practice	Steiner analysis and treatment planning
11	Theoretical	Rickets analysis and treatment planning
	Practice	Rickets analysis and treatment planning
12	Theoretical	Cephalometric superimposition methods
	Practice	Cephalometric superimposition methods
13	Theoretical	Björk's structural superimposition method

13	Practice	Björk's structural superimposition method
14	Theoretical	Evaluation of skeletal growth
	Practice	Evaluation of skeletal growth

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
Individual Work	5	0	10	50
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	A student who completes this course successfully will gain the ability to diagnose the orthodontic disorders correctly.
2	Analyzes Cephalometric and posteroanterior films and makes superimpositions, growth predictions.
3	Uses Cephalometric analysis correctly in treatment planning.
4	At the same time, designs and performs Cephalometric methods for usage in scientific researches.
5	Knows orthodontic anomalies.
6	Makes steiner anlysis

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	L4
P2	5	5	5	3
P3	5	5	5	3
P5	4	4	4	3
P6	1	1	3	