AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Use of Computers in Orthodontics						
Course Code		ORD629		Couse Level		Third Cycle (Doctorate Degree)		
ECTS Credit	2	Workload	52 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		To learn the orthodontic withdrawal of photographs and computerized cephalometric analysis of the implementation of the program.						
Course Content		Orthodontic diagnosis from a computer, making analysis, treatment planning, record keeping and archiving includes topics describing how to utilize that.						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods		Explanation (Presentation), Discussion, Individual Study						
Name of Lecturer(s)								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Seminars in Orthodontics
2	Dental Photography, Quentessence int
3	American Journal of Orthodontics and Dentofacial Orthopedics

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic features of dental cameras
	Practice	Basic features of dental cameras
2	Theoretical	Basic rules for dental photography
	Practice	Basic rules for dental photography
3	Theoretical	Extraoral dental photographs
	Practice	Extraoral dental photographs
4	Theoretical	Intraoral dental photographs
	Practice	Intraoral dental photographs
5	Theoretical	Model photography
	Practice	Model photography
6	Theoretical	Object photography
	Practice	Object photography
7	Theoretical	Digital radiography
	Practice	Digital radiography
8	Practice	Mid-term exam
	Intermediate Exam	Mid-term exam
9	Theoretical	Computerized cephalometric tracing methods
	Practice	Computerized cephalometric tracing methods
10	Theoretical	Computerized cephalometric analysis programs
	Practice	Computerized cephalometric analysis programs
11	Theoretical	Computerized program applications
	Practice	Computerized program applications
12	Theoretical	Digital cephalometric superimposition
	Practice	Digital cephalometric superimposition
13	Theoretical	Computerized growth prediction
	Practice	Computerized growth prediction
14	Theoretical	Self- application
	Practice	Self- application

15	Theoretical	Final Exam
	Practice	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	2	28
Midterm Examination	1	4	1	5
Final Examination	1	4	1	5
			Total Workload (Hours)	52
			[Total Workload (Hours) / 25*] = **ECTS**	2

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Standard withdrawal of orthodontic photo
2	Drawing with computerized analysis methods of digital radiographs
3	Teaching the use of computerized analysis program
4	knows third dimension
5	can do intraoral scannig

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
P2	3	3	3
P3	3	3	3
P7	5	5	5