AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Occlusion						
Course Code	ORD647		Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0

Objectives of the Course	Learning of occlusion and biomechanics and functional anatomy of temporomandibular joint, reasons of TMJ disorders and orofacial pain, problems with occlusion , achieving diagnosis and treatment of TM ve orofacial disorders, detecting from other disorders.
Course Content	Functional anatomy of TMJ, TMJ disorders, diagnosis and management of TMJ disorders, occlusal concepts.
Work Placement	N/A
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case 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	Okeson J. Management of tempomandibular disorders and occlusion. Elsevier Mosby. Sixth edition, St. Louis.2008.
2	Pertes RA, Gross SG.Clinical management of temporomandibular disordersand orofacial pain. Quintessence Publishing Co,Inc. Chicago,1995.
3	McNeilC (Edited by). Craniomandibular Disorders. Guidelines for evaluation, diagnosis and management. Quintessence Publishing Co,Inc. Chicago,1990.

Week	Weekly Detailed Course Contents	
1	Theoretical	Masticatory system
2	Theoretical	Phsiology of masticatory system
3	Theoretical	Functional anatomy and biomechanics of TMJ
4	Theoretical	Biomechanics of TMJ
5	Theoretical	Optimum functional occlusion criteria
6	Theoretical	Defining of pain and specifities of musculer pain
7	Theoretical	Myofasial pain, muscle trigger points and fibromyalgia
8	Theoretical	Temporomandibular disorders
9	Theoretical	Signs and symptoms of TM disorders
10	Theoretical	Congenital, developmental and acquired disorders of TMJ
11	Theoretical	Neoplasm and condyle fractures
12	Theoretical	Muscle disorders
13	Theoretical	Orofacial pain
14	Theoretical	Examination of TMD patients

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Individual Work	1	0	2	2
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Defines TMJ and masticatory system and interprets physiology of all systems.
2	Defines concepts of functional anatomy and biomechanics of TMJ
3	Defines concepts of optimum functional occlusion criteria
4	Defines TMJ disorders, methods of clinical exams and diagnosis
5	Explain the factors that affect learning

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
P1			2	3
P2	3		4	5
P3	5	5	5	5
P4	2			
P5	4	3	3	4
P7				3
P8	5	4	2	4
P9				3
P10				2