

Dentistry (English)			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	DENT406		
Course Name:	Orthodontics - Contemporary Treatment Methods		
Semester:	Spring		
Course Credits:	<div>ECTS</div> <div>2</div>		
Language of instruction:	English		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Compulsory Courses		
Course Level:	<div>Bachelor</div> <div>TR-NQF-HE:6. Master`s Degree</div> <div>QF-EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree</div>		
Mode of Delivery:			
Course Coordinator:	Dr. Öğr. Üy. BEGÜM ASLAN		
Course Lecturer(s):	Begüm ASLAN, Betül Ballı DEMİREL		
Course Assistants:			

Course Objective and Content

Course Objectives:	The purpose of this course is to provide information about treatment options for orthodontic occlusal disorders and multidisciplinary cases.
Course Content:	The objective of this course is to provide information about intraoral and extraoral appliances, rapid and slow expansion of the upper jaw, functional and fixed orthodontic treatment, complications in orthodontic treatment, orthognathic surgery, post-orthodontic retention protocols,

and interdisciplinary treatment planning.

Learning Outcomes

The students who have succeeded in this course;

Course Flow Plan

Week	Subject	Related Preparation
1)	Preventive and Interceptive Orthodontic Treatment	Preliminary study of the suggested sources
2)	Early Orthodontic Treatment	Preliminary study of the suggested sources
3)	Mouth Breathing	Preliminary study of the suggested sources
4)	Removable Orthodontic Appliances	Preliminary study of the suggested sources
5)	Orthodontic Expansion	Preliminary study of the suggested sources
6)	Extraoral Appliances	Preliminary study of the suggested sources
7)	Functional Orthodontics and Dentofacial Orthopedics	Preliminary study of the suggested sources
8)	Functional Orthodontics and Dentofacial Orthopedics	Preliminary study of the suggested sources
9)	1st Midterm Exam	
10)	Functional Orthodontics and Dentofacial Orthopedics	Preliminary study of the suggested sources
11)	Fixed Orthodontic Treatment (Edgewise, Begg, Straightwire Appliance)	Preliminary study of the suggested sources
12)	Class I Malocclusion: Treatment Alternatives	Preliminary study of the suggested sources
13)	Class II Malocclusion: Treatment Alternatives	Preliminary study of the suggested sources

14)	Class III Malocclusion: Treatment Alternatives	Preliminary study of the suggested sources
15)	Treatment Approaches to Transversal Anomalies	Preliminary study of the suggested sources
16)	Treatment of Open Bite Malocclusions	Preliminary study of the suggested sources
17)	Deep Bite Treatment	Preliminary study of the suggested sources
18)	Orthodontic Treatment of Congenitally Missing Teeth and Impacted Teeth	Preliminary study of the suggested sources
19)	Clear Aligner Therapy	Preliminary study of the suggested sources
20)	Complications in Orthodontic Treatment	Preliminary study of the suggested sources
21)	2nd Midterm Exam	Preliminary study of the suggested sources
22)	Orthognatic Surgery	Preliminary study of the suggested sources
23)	Multidiciplinary Treatment -Surgical Cases -Prosthodontic Cases - Cleft Lip and Palate Cases	Preliminary study of the suggested sources
24)	Orthodontic Retention Protocols	Preliminary study of the suggested sources
25)	Obstructive Sleep Apnea	Preliminary study of the suggested sources
26)	Overall Review	

Sources

Course Notes / Textbooks:	<p>1. Contemporary Orthodontics. Proffit,William and Fields,Henry, The Mosby Co, 3rd edition.</p> <p>2. Ortodontik Tedavi: Kavramlar ve Stratejiler Frans P.G.M. van der Linden, Çeviri Editörü: Prof. Dr. Tülin Arun.</p> <p>3. Orthodontics: Current Principles and Techniques, Graber TM, Vanarsdall RL, 4th ed. Mosby, St. Louis Missouri, 2005</p>
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References:	
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Course - Program Learning Outcome Relationship

Course Learning Outcomes
Program Outcomes
1) Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.
3) Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.
4) Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.
5) Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.
6) Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.
7) Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.
8) Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.
9) By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.
10) During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.
11) Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.
12) In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society
13) Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.

14) Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.

15) Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3)	Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.	
4)	Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	
5)	Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	
6)	Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7)	Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.	
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13)	Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.	
14)	Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.	
15)	Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Midterms	1	% 40
Final	1	% 60
total		% 100
PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Course Hours	26	0	2		52
Midterms	1	10			10
Final	1	20			20

Total Workload	82
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