

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

Course Introduction and Application Information

Course Code:	DENT308		
Course Name:	Endodontics Preclinic 2		
Semester:	Spring		
Course Credits:	<div>ECTS</div> <div>4</div>		
Language of instruction:	English		
Course Condition:	DENT204 - Endodontics Preclinic 1		
Does the Course Require Work Experience?:	Yes		
Type of course:	Compulsory Courses		
Course Level:	<div> <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> </div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Doç. Dr. AYFER ATAV ATEŞ		
Course Lecturer(s):	ayfer atav		
Course Assistants:			

Course Objective and Content

Course Objectives:	To gain the ability of preparation of Endodontic Access Cavities of Maxillary /Mandibular Extracted Teeth and/or Simulation Models
Course Content:	To gain the ability to work in a clinical environment by applying root canal treatment to different teeth on phantom jaw models.

Learning Outcomes

The students who have succeeded in this course;

1) Learn all the materials and supplies necessary for all the procedures involved in root canal treatment and understand their applications in the clinic.

1) Identify patent pulp chambers and canals by means of endodontic digital radiographs; recognize canal systems with extreme curvatures, calcifications, and other complicating anatomical/pathological features.

1) The student would acquire basic and practical knowledge and manual dexterity to care for patients regarding clinical root canal treatment.

2) Establish appropriate working lengths with apex locators and digital rontgens

3) Identify, prevent, and manage procedural errors that may occur during endodontic treatment.

4) Knows and applies appropriate clinical procedures required by endodontic treatment, such as rubber dam isolation, radiographic evaluation, restoration completion and record keeping.

Course Flow Plan

Week	Subject	Related Preparation
1)	Preparation of Endodontic Access Cavities for Maxillary /Mandibular Incisors and Canines on Extracted Teeth and/or Simulation Models	Collecting extracted teeth and providing model teeth
2)	Preparation of Endodontic Access Cavities for Maxillary/Mandibular Premolars	collecting extracted teeth and providing model teeth
3)	Preparation of Endodontic Access Cavities for Maxillary/Mandibular Molars	
4)	Rotary Instruments (New era in Endodontics)	
5)	Preparation of root canals of Maxillary Incisors and Canines	
6)	Preparation of root canals of Mandibular Incisors and Canines	
7)	Preparation of root canals of Maxillary Premolars	
8)	Preparation of root canals of Mandibular Premolars	
9)	Preparation of root canals of Maxillary Molars	
10)	Preparation of root canals of Mandibular Molars	
11)	Root canal medication application of root canals	
12)	Obturation of root canals	
13)	Retreatment of root canals	
14)	Overview to root canal treatment clinical procedures	

Sources

Course Notes / Textbooks:	<p>1. Endodontics Principles and Practice (5th Edition)</p> <ul style="list-style-type: none"> • Richard E. Walton • Mahmoud Torabinejad <p>Elsevier</p> <p>2. Cohen's Pathways of the Pulp (11th Edition)</p> <ul style="list-style-type: none"> • Kenneth M Hargreaves • Louis H Berman <p>Elsevier</p> <p>3. Ingle's Endodontics (7th Edition)</p> <ul style="list-style-type: none"> • Ilan Rotstein • John I. Ingle <p>Raleigh</p>
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Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	1	1	2	3	4
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.						

Course Learning Outcomes	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.					
	1	1	1	2	3	4
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						

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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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12)	In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	
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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 Pratik	1	% 60
total		% 100
PERCENTAGE OF SEMESTER WORK		% 100
PERCENTAGE OF FINAL WORK		%
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
Laboratory	14	0	3		42
Study Hours Out of Class	5	0	1		5
Midterms	1	5	3		8
Final	1	5	3		8
Total Workload					63