

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

Course Introduction and Application Information

Course Code:	DENT217		
Course Name:	Restorative Dentistry Preclinic 1		
Semester:	Fall		
Course Credits:	<div>ECTS</div> <div>4</div>		
Language of instruction:	English		
Course Condition:			
Does the Course Require Work Experience?:	No		
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:	Prof. Dr. TUĞBA TOZ AKALIN		
Course Lecturer(s):	Dr Tuğba Toz Akalin		
Course Assistants:			

Course Objective and Content

Course Objectives:	It is aimed to perform cavity preparation on teeth, application of cavity lining materials, cements, amalgam, composite filling materials, dentin bonding systems, adhesive systems, in preclinical environment and on phantom teeth.
Course Content:	Cavity preparation and application of cavity lining materials, cement, amalgam, composite fillers, dentin bonding systems, adhesive systems in preclinical and phantom laboratories

Learning Outcomes

The students who have succeeded in this course;

- 1) Diagnoses tooth caries clinically and radiographically
- 2) Knows and performs caries removal and cavity preparation principles
- 3) Knows and performs lining and base applications to prepared cavities
- 4) Knows and applies amalgam restoration of prepared cavities.
- 5) Knows and performs composite restoration of prepared cavities
- 6) Knows and applies how materials used in dental restoration are polished.

Course Flow Plan

Week	Subject	Related Preparation
1)	Introducing the Preclinical Restorative Dentistry course and laboratory operation and preparation of the models	
2)	Detection of tooth caries clinically and radiographically Black I cavity preparation, tooth number: 15, 16	
3)	Black V cavity tooth number 15, Black V cavity tooth number 16	
4)	Black II cavity preparation, tooth number 25, Black V cavity preparation, tooth number 26	
5)	Slot cavity tooth number 35, Slot cavity tooth number 36	
6)	Black III cavity tooth number 11, Black III cavity tooth number 12	
7)	Black I,II,V cavities, base application	
8)	Black I,II,V cavities, Amalgam filling	
9)	Black III cavity, composite filling	
10)	Incisor, premolar, molar teeth, caries removal	
11)	Base application to cavity following caries removal	
12)	Amalgam filling application to cavity following caries removal	
13)	Composite filling application to cavity following caries removal	
14)	Midterm exam	

Sources

Course Notes /	Preclinical Manual Of Conservative Dentistry And Endodontics. Edition: 3rd, Elsevier,
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Textbooks:	2019. V Gopikrishna
References:	Preclinical Manual Of Conservative Dentistry And Endodontics. Edition: 3rd, Elsevier, 2019. V Gopikrishna

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5	6
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	2	2	2	2	2
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	2	2	2	2	2	2
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.	2	2	2	2	2	2
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 collect and records the relevant data.	1	2	3	4	5	6
Course Learning Outcomes						
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.	2	2	2	2	2	2
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
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	2
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	2

	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.	2
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
Homework Assignments	1	% 15
Midterms	1	% 25
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	39	0	3		117
Midterms	1	1	2		3
Final	1	1	2		3
Total Workload					123