

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

## Course Introduction and Application Information

Course Code:	DENT109		
Course Name:	Prosthodontics preclinic 1		
Semester:	Fall		
Course Credits:	<div>ECTS</div> <div>6</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:	Face to face		
Course Coordinator:	Prof. Dr. ÖNJEN TAK		
Course Lecturer(s):	Prof. Öngen TAK, Assist. Prof. Şirin Kıyıcı		
Course Assistants:			

## Course Objective and Content

Course Objectives:	1. Learning the anatomical and morphological features of permanent teeth practically 2. Learning the physiological relationship between jaws and teeth practically 3. Learning the basic principles of tooth preparation and impression practically 4. Learning some preliminary laboratory production stages of fixed prostheses
Course	1. Carving of some permanent teeth

Content:	2. Preparing of some permanent teeth 3. Practicing some clinical and laboratory workflow of fixed prosthesis including impression, model fabrication and wax pattern preparation
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## Learning Outcomes

The students who have succeeded in this course;

- 1) Uses dental equipments correctly
- 2) Explains the anatomical, morphological and physiological features of permanent teeth
- 3) Improves dental manipulation skills
- 4) Prepares the tooth according to its basic principles
- 5) Performs preliminary laboratory workflow of fixed prosthesis

## Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to Preclinical Practice and Dental Instruments Soap Carving	Reading of the related chapters of the reference books
2)	Soap Carving	Reading of the related chapters of the reference books
3)	Guidelines for Drawing and Carving Teeth Carving: Permanent Maxillary Central Incisor	Reading of the related chapters of the reference books
4)	Carving: Permanent Maxillary Central Incisor	Reading of the related chapters of the reference books
5)	Carving: Permanent Maxillary Canine	Reading of the related chapters of the reference

		books
6)	Carving: Permanent Maxillary Canine	Reading of the related chapters of the reference books
7)	Carving: Permanent Maxillary 1st Premolar ASSIGNMENT DUE DATE: 2 Maxillary Right Central Incisors 2 Maxillary Left Central Incisors 2 Maxillary Right Canines 2 Maxillary Left Canines	Reading of the related chapters of the reference books
8)	1st Mid-term Exam/Assessment	Reading of the related chapters of the reference books
9)	Carving: Permanent Maxillary 1st Premolar	Reading of the related chapters of the reference books
10)	Carving: Permanent Mandibular 1st and 2nd Premolars	Reading of the related chapters of the reference books
11)	Carving: Permanent Mandibular 1st and 2nd Premolars	Reading of the related chapters of the reference books
12)	Carving: Permanent Maxillary and Mandibular 1st Molars ASSIGNMENT DUE DATE: 2 Maxillary Right 1st Premolars 2 Maxillary Left 1st Premolars 2 Mandibular Right 1st Premolars 2 Mandibular Left 1st Premolars 2 Mandibular Right 2nd Premolars 2 Mandibular Left 2nd Premolars	Reading of the related chapters of the reference books
13)	Carving: Permanent Maxillary and Mandibular 1st Molars	Reading of the related

		chapters of the reference books
14)	2nd Mid-term Exam/Assessment	Reading the related chapters of the reference books
14)	Carving: Permanent Maxillary and Mandibular 1st Molars ASSIGNMENT DUE DATE: 2 Maxillary Right 1st Molars 2 Maxillary Left 1st Molars 2 Mandibular Right 1st Molars 2 Mandibular Left 1st Molars	Reading of the related chapters of the reference books
15)	Carving: Contacted Maxillary Anterior and Mandibular Posterior Dental Arch	Reading of the related chapters of the reference books
16)	Carving: Contacted Maxillary Anterior and Mandibular Posterior Dental Arch	Reading of the related chapters of the reference books
17)	Preparation of Permanent Maxillary Central Incisors ASSIGNMENT DUE DATE: Contacted Maxillary Anterior Dental Arch Contacted Mandibular Posterior Dental Arch	Kaynak kitaplardan ilgili bölümlerin okunması
18)	Preparation of Permanent Maxillary Central Incisors	Reading of the related chapters of the reference books
19)	Preparation of Permanent Maxillary Canines	Reading of the related chapters of the reference books
20)	Preparation of Permanent Maxillary Canines	Reading of the related

		chapters of the reference books
21)	Preparation of Permanent Maxillary 1st Premolars and 1st Molars	Reading of the related chapters of the reference books
22)	Preparation of Permanent Maxillary 1st Premolars and 1st Molars	Reading of the related chapters of the reference books
23)	Preparation of Permanent Maxillary 1st Premolars and 1st Molars ASSIGNMENT DUE DATE: Prepared Teeth (Maxillary Central Incisor, Canine, 1st Premolar and 1st Molar)	Reading of the related chapters of the reference books
24)	3rd Mid-term Exam/Assessment	Reading of the related chapters of the reference books
25)	Impression of the Prepared Teeth, Fabrication of the Definitive Casts and Articulation of the Casts	Reading of the related chapters of the reference books
26)	Impression of the Prepared Teeth, Fabrication of the Definitive Casts and Articulation of the Casts	Reading of the related chapters of the reference books
27)	Wax Pattern of the Prepared Teeth	Reading of the related chapters of the reference books

28)	Wax Pattern of the Prepared Teeth ASSIGNMENT DUE DATE: Wax Patterned Prepared Teeth (Maxillary Central Incisor, Maxillary Canine, Maxillary 1st Premolar and, Maxillary 1st Molar), and Mounted Casts on Articulator	Reading of the related chapters of the reference books
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## Sources

Course Notes / Textbooks:	1. Scheid RC and Gabriela W. Woelfel's dental anatomy, Ninth Edition. Wolters Kluwer, 2017. 2. Nelson SJ. Wheeler's Dental Anatomy, Physiology and Occlusion, Tenth Edition. Elsevier Saunders, 2015. 3. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012. 4. Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics, Fifth Edition. Elsevier, 2016.
References:	1. Scheid RC and Gabriela W. Woelfel's dental anatomy, Ninth Edition. Wolters Kluwer, 2017. 2. Nelson SJ. Wheeler's Dental Anatomy, Physiology and Occlusion, Tenth Edition. Elsevier Saunders, 2015. 3. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012. 4. Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics, Fifth Edition. Elsevier, 2016.

## Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5
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	3	3	3	3
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,	2	2	2	2	2

takes responsibility, and produces solutions in unforeseen situations.	1	2	3	4	5
<b>Course Learning Outcomes</b>					
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	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)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	3
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
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,	2



	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
Homework Assignments	2	% 10
Midterms	2	% 30
Final	1	% 60
<b>total</b>		<b>% 100</b>
PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60
<b>total</b>		<b>% 100</b>

### Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Laboratory	84	1	1		168
Homework Assignments	6	10			60
Midterms	2	15	1		32
Final	1	15	1		16
<b>Total Workload</b>					<b>276</b>