

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

Course Introduction and Application Information

Course Code:	DENT213		
Course Name:	Prosthodontics Preclinic 2		
Semester:	Fall		
Course Credits:	<div>ECTS</div> <div>6</div>		
Language of instruction:	English		
Course Condition:	DENT109 - Prosthodontics preclinic 1		
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. ÖNJEN TAK		
Course Lecturer(s):	Prof. Dr. Önjen TAK, Assist. Prof. Şirin KIYICI		
Course Assistants:			

Course Objective and Content

Course Objectives:	<ol style="list-style-type: none"> 1. Learning the anatomical and morphological features of edentulous ridges practically 2. Learning the clinical and laboratory procedures and workflows of complete dentures practically 3. Learning the clinical procedures and workflows of fixed prosthesis practically 4. Learning the physiological relationship between jaws and teeth practically 5. Learning the occlusal adjustment in complete dentures and fixed prosthesis practically
--------------------	--

	6. Learning the fundamentals and application principles of metal-ceramic fixed restorations practically
Course Content:	1. Practicing clinical and laboratory workflow of complete dentures from impression to finishing&polishing in phantom head 2. Practicing clinical workflow of fixed prosthesis including preparation, retraction, impression and try-ins in phantom head 3. Preparing teeth for crown, bridge, and provisional restorations in phantom head

Learning Outcomes

The students who have succeeded in this course;

- 1) Comprehends the clinical and laboratory procedures and workflows of complete dentures
- 2) Comprehends the clinical and some laboratory procedures and workflows in fixed prosthodontics
- 3) Distinguishes basically the occlusal adjustments in complete dentures and fixed partial prosthesis
- 4) Compare crown and bridge preparations

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to Preclinical Practice and Dental Instruments used in Complete Denture & Gypsum Master Model Preparation	Reading the Reference Textbook
2)	Gypsum Master Model Preparation	Reading the Reference Textbook
3)	Diagnostic Impressions, Diagnostic Model Production and Custom-Made Tray Construction	Reading the Reference Textbook
4)	Custom-Made Tray Construction	Reading the Reference Textbook
5)	Final Impression with Border Molding, Boxing and Master Cast Fabrication	Reading the Reference Textbook
6)	Baseplate Fabrication and Occlusion Wax Rim Preparation	Reading the Reference Textbook
7)	Occlusion Wax Rim Preparation and Recording of Maxillomandibular Relations	Reading the Reference Textbook
8)	Recording of Maxillomandibular Relations and Transferring the Models to Articulator	Reading the Reference Textbook
9)	Teeth Alignment (Anterior)	Reading the Reference Textbook

10)	Teeth Alignment (Posterior)	Reading the Reference Textbook
11)	Finishing Procedures: Designing the Polished Surface, Flasking, Packing, Processing and Polishing	Reading the Reference Textbook
12)	Finishing Procedures: Designing the Polished Surface, Flasking, Packing, Processing and Polishing	Reading the Reference Textbook
13)	Finishing Procedures: Designing the Polished Surface, Flasking, Packing, Processing and Polishing	Reading the Reference Textbook
14)	1st Mid-term Exam Delivering of the Complete Denture ASSIGNMENT DUE DATE: Maxillary and Mandibular Dentures	Reading the Reference Textbook
15)	Crown Preparation, Retraction and Impression: 11, 13, 22, 33, 41, 24, 26, 45, 46	Reading the Reference Textbook
16)	Crown Preparation, Retraction and Impression: 11, 13, 22, 33, 41, 24, 26, 45, 46	Reading the Reference Textbook
17)	Crown Preparation, Retraction and Impression: 11, 13, 22, 33, 41, 24, 26, 45, 46	Reading the Reference Textbook
18)	Bridge Preparation, Retraction, Impression, Casting and Waxing: 34-36, 21-23, 15-17	Reading the Reference Textbook
19)	Bridge Preparation, Retraction, Impression, Casting and Waxing: 34-36, 21-23, 15-17	Reading the Reference Textbook
20)	Bridge Preparation, Retraction, Impression, Casting and Waxing: 34-36, 21-23, 15-17	Reading the Reference Textbook
21)	Bridge Preparation: 31-32-42, 25-27, 35-37	Reading the Reference Textbook
22)	Bridge Preparation: 31-32-42, 25-27, 35-37	Reading the Reference Textbook
23)	Crown Preparation and Provisional Restoration: 12, 47	Reading the Reference Textbook
24)	Crown Preparation and Provisional Restoration: 12, 47	Reading the Reference Textbook
25)	Framework Try-in of a Fixed Partial Denture	Reading the Reference Textbook

26)	Framework Try-in and Dentin Try-in of a Fixed Partial Denture	Reading the Reference Textbook
27)	Dentin Try-in of a Fixed Partial Denture	Reading the Reference Textbook

Sources

Course Notes / Textbooks:	<p>1. Özkan YK. Complete Denture Prosthodontics: Planning and Decision-Making. Springer Publishing, 2018.</p> <p>2. Özkan YK. Complete Denture Prosthodontics: Treatment and Problem Solving. Springer Publishing, 2018.</p> <p>Hayakawa I. Principles and Practices of Complete Dentures: creating the mental image of a denture. Quintessence Publishing, 1999.</p> <p>3. Driscoll CF, Golden WG. Treating the Complete Denture Patient. WileyBlackwell Publishing, 2020.</p> <p>4. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012.</p> <p>5. Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics, Fifth Edition. Elsevier, 2016.</p>
References:	<p>1. Özkan YK. Complete Denture Prosthodontics: Planning and Decision-Making. Springer Publishing, 2018.</p> <p>2. Özkan YK. Complete Denture Prosthodontics: Treatment and Problem Solving. Springer Publishing, 2018.</p> <p>Hayakawa I. Principles and Practices of Complete Dentures: creating the mental image of a denture. Quintessence Publishing, 1999.</p> <p>3. Driscoll CF, Golden WG. Treating the Complete Denture Patient. WileyBlackwell Publishing, 2020.</p> <p>4. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012.</p> <p>5. Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics, Fifth Edition. Elsevier, 2016.</p>

Course - Program Learning Outcome Relationship

Course Learning Outcomes	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	2	2	2
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	3	3	3	3

Course Learning Outcomes	1	2	3	4
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.	3	3	3	3
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.	3	3	3	3
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.	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.	3
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.	3
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
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
Application	78	1	1		156
Homework Assignments	17	2			34
Midterms	2	30			60
Final	1	40			40
Total Workload					290