

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

Course Introduction and Application Information

Course Code:	DIS317		
Course Name:	Prosthetic Dentistry - Preclinical 3		
Semester:	Fall		
Course Credits:	<div>ECTS</div> <div>5</div>		
Language of instruction:	Turkish		
Course Condition:	DIS213 - Protetik Diş Tedavisi-prelinik 2 DIS213 - Protetik Diş Tedavisi-prelinik 2 DIS213 - Protetik Diş Tedavisi-prelinik 2		
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. Önjen TAK, Prof. Subutay Han ALTINTAŞ, Assoc. Prof. Borga DÖNMEZ, Assist. Prof. Şirin KIYICI		
Course Assistants:			

Course Objective and Content

Course Objectives:	1. Learning the clinical and laboratory procedures and workflows of complete dentures practically 2. Learning the clinical procedures and workflows of fixed prosthesis practically
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	3. Learning the clinical and laboratory procedures and workflows of removable partial dentures 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, post-core and provisional restorations in phantom head 4. Practicing clinical and laboratory workflow of removable partial dentures from impression to finishing&polishing 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) Compare crown and bridge preparations
- 4) Comprehends the clinical and laboratory procedures and workflows of removable partial dentures

Course Flow Plan

Week	Subject	Related Preparation
1)	Impression for Removable Partial Denture, Baseplate Fabrication and Occlusion Wax Rim Preparation	Reading the Reference Textbook
2)	Impression for Removable Partial Denture, Baseplate Fabrication and Occlusion Wax Rim Preparation	Reading the Reference Textbook
3)	Occlusion Wax Rim Preparation, Recording of Maxillomandibular Relations and Transferring the Models to Articulator	Reading the Reference Textbook
4)	Teeth Alignment	Reading the Reference Textbook
5)	Teeth Alignment	Reading the Reference Textbook
6)	Teeth Alignment and Designing the Polished Surface	Reading the Reference Textbook

7)	Clasp Bending ASSIGNMENT DUE DATE: Maxillary and Mandibular Removable Partial Denture	Reading the Reference Textbook
8)	1st Mid-term Exam/Assessment	Reading the Reference Textbooks
9)	Clasp Bending	Reading the Reference Textbook
10)	Mouth Preparation on the Cast Model and Waxing of the Removable Partial Denture Framework	Reading the Reference Textbook
11)	Mouth Preparation on the Cast Model and Waxing of the Removable Partial Denture Framework Try-in of the Cast Metal Framework	Reading the Reference Textbook
12)	Try-in of the Cast Metal Framework and Baseplate Fabrication	Reading the Reference Textbook
13)	Occlusion Wax Rim Preparation, Recording of Maxillomandibular Relations, Transferring the Models to Articulator, Teeth Alignment	Reading the Reference Textbook
14)	Teeth Alignment and Designing the Polished Surface ASSIGNMENT DUE DATE: Removable Partial Denture (with cast framework)	Reading the Reference Textbook
14)	2nd Mid-term Exam/Assessment	Reading the Reference Textbooks
15)	Impressions (Border Molding) and Master Cast Fabrication for Mandibular Complete Denture	Reading the Reference Textbook
16)	Impressions (Border Molding) and Master Cast Fabrication for Mandibular Complete Denture	Reading the Reference Textbook
17)	Baseplate Fabrication and Occlusion Wax Rim Preparation	Reading the Reference

		Textbook
18)	Recording of Maxillomandibular Relations, Transferring the Models to Articulator and Teeth Alignment	Reading the Reference Textbook
19)	Finishing Procedures: Designing the Polished Surface, Flasking, Packing, Processing and Polishing	Reading the Reference Textbook
20)	Finishing Procedures: Designing the Polished Surface, Flasking, Packing, Processing and Polishing Repairing a Broken Mandibular Complete Denture ASSIGNMENT DUE DATE: Mandibular Complete Denture	Reading the Reference Textbook
21)	Repairing a Broken Mandibular Complete Denture ASSIGNMENT DUE DATE: Repaired Broken Complete Denture	Reading the Reference Textbook
22)	Bridge Preparation, Retraction and Impression: 17-15-13-11-22-24-26	Reading the Reference Textbook
23)	Bridge Preparation, Retraction and Impression: 17-15-13-11-22-24-26	Reading the Reference Textbook
24)	3rd Mid-term Exam/Assessment	Reading the Reference Textbooks
25)	Post-core restoration: 43, 16	Reading the Reference Textbook
26)	Post-core restoration: 43, 16 Metal Try-in: 17-15-13-11-22-24-26	Reading the Reference Textbook
27)	Metal and Dentin Try-in: 17-15-13-11-22-24-26	Reading the Reference Textbook
28)	Dentin Try-in: 17-15-13-11-22-24-26 ASSIGNMENT DUE DATE: Prepared teeth on phantom model (17-15-13-11-22-24-26), post-core (43, 16), cast models, and Fixed Partial Denture - Dentin	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>3.Hayakawa I. Principles and Practices of Complete Dentures: creating the mental image of a denture. Quintessence Publishing, 1999.</p> <p>4. Driscoll CF, Golden WG. Treating the Complete Denture Patient. WileyBlackwell Publishing, 2020.</p> <p>5. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012.</p> <p>6. Carr AB, Brown DT. McCracken's Removable Partial Prosthodontics. 13th Edition. Elsevier Publishing, 2016</p> <p>7. Şaka O. Removable Partial Dentures. A Practitioners' Manuel. Springer Publishing, 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>3.Hayakawa I. Principles and Practices of Complete Dentures: creating the mental image of a denture. Quintessence Publishing, 1999.</p> <p>4. Driscoll CF, Golden WG. Treating the Complete Denture Patient. WileyBlackwell Publishing, 2020.</p> <p>5. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012.</p> <p>6. Carr AB, Brown DT. McCracken's Removable Partial Prosthodontics. 13th Edition. Elsevier Publishing, 2016</p> <p>7. Şaka O. Removable Partial Dentures. A Practitioners' Manuel. Springer Publishing, 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.	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. Course Learning Outcomes	1	2	3	4
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.	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.	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
Course Hours	52	1	1		104
Laboratory	52	1	1		104
Homework Assignments	5	10			50
Midterms	2	4	2		12
Final	1	6	2		8
Total Workload					278