

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

Course Introduction and Application Information

Course Code:	DENT218		
Course Name:	Fundamentals of Fixed Prosthodontics		
Semester:	Spring		
Course Credits:	<div>ECTS</div> <div>2</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:	Dr. Öğr. Üy. ŞİRİN KIYICI		
Course Lecturer(s):	Prof. Önjen TAK, Assoc Prof Borge Dönmez, Assist. Prof. Şirin KIYICI		
Course Assistants:			

Course Objective and Content

Course Objectives:	1. Learning the clinical and laboratory principles, procedures and workflows in fixed prosthodontics 2. Learning the fundamentals and application principles of full metal and metalceramic fixed restorations
Course Content:	1. Learning the clinical workflow from diagnosis to postoperative care in fixed

prosthodontics

2. Learning basic principles of the selection of the restoration type in fixed prosthodontics

Learning Outcomes

The students who have succeeded in this course;

- 1) Comprehends the clinical and laboratory procedures and workflows in fixed prosthodontics
- 2) Compare full metal and metal-ceramic fixed restorations
- 3) Distinguishes basically the occlusal concepts in fixed partial prosthesis

Course Flow Plan

Week	Subject	Related Preparation
1)	Diagnosis, and Clinical and Radiological Examination in Fixed Prosthodontics	Reading of the related chapters of the reference books
2)	Mouth Preparation in Fixed Prosthodontics and Treatment Planning for Single-Tooth Restorations	Reading of the related chapters of the reference books
3)	Treatment Planning of the Fixed Partial Denture for the Replacement of Missing Teeth	Reading of the related chapters of the reference books
4)	Types of Connectors, Pontics and Edentulous Ridges	Reading of the related chapters of the reference books
5)	Full Metal Restorations and Introduction to Metal-Ceramic Restorations	Reading of the related chapters of the reference books
6)	Metal-Ceramic Restoration: Framework Design and Metal Selection	Reading of the related chapters of the reference books
7)	Metal-Ceramic Restoration: Bonding Mechanism	Reading of the related chapters of the reference books
8)	Mid-term Exam	Reading of the related chapters of the reference books and lecture notes
9)	Fundamentals of Occlusion and Mandibular Movements	Reading of the related chapters of the reference books
10)	Clinical Step 1: Preparation, Fluid Control, Tissue Management, and Impression	Reading of the related chapters of the reference books
11)	Clinical Step 2: Framework and Dentin Try-in Procedures of Fixed Prosthesis (Evaluation, Characterization, and Glazing)	Reading of the related chapters of the reference books

12)	Clinical Step 3: Luting Agents and Cementation Procedures	Reading of the related chapters of the reference books
13)	Articulators and Articulation of Casts Using an Adjustable Articulator	Reading of the related chapters of the reference books
14)	Postoperative Care	Reading of the related chapters of the reference books

Sources

Course Notes / Textbooks:	1. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012. 2. Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics, Fifth Edition. Elsevier, 2016.
References:	1. Shillingburg HT. Fundamentals of Fixed Prosthodontics, Fourth Edition. Quintessence Publishing, 2012. 2. Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics, Fifth Edition. Elsevier, 2016.

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3
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.	3	3	3
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	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.	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 Course Learning Outcomes recommends the most appropriate treatment with a patient-centered approach.	1	2	3
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
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.	3
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.	
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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	
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	1	% 10
Midterms	1	% 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	28	1			28
Homework Assignments	1	1			1
Midterms	1	10			10
Final	1	20			20
Total Workload					59