COURSE DESCRIPTION FORM	
Course Code and Name	DHF-310 - Restorative Dental Treatment Ek-8
Course Semester	Annual – 3th class
Catalogue Data of the Course (*Course Content*)	General concepts in restorative dental treatment, preventive dentistry approaches, rules of operative dentistry, caries removal methods and materials used are explained and demonstrated theoretically and practically.
Course Textbooks	Sturdevant's Art and Science of Operative Dentistry, Thedore M. Roberson, Harald O. Hayman, Edward J. Swift. Mosby Inc, 2006
Supplementary Textbooks	Textbook of Operative Dentistry, Baum L., Phillips RW., Lund MR., WB Saunders Company, 1995.
Credit (*ECTS*)	6
Prerequisites for the Course (*Attendance Requirements*)	Attendance is compulsory in conditions where retaken the failed courses. **Course Prerequisites:** The courses mentioned beloved must be successfully completed. (DHF210 or DHF 2260 or DHF222)
Course Type	Compulsory Vocational/Technical Lesson
Language of Instruction	Turkish
Course Objectives	To teach the general concepts of Restorative Dentistry, caries removal and treatment methods of caries-free dental hard tissue lesions, theoretically and practically.
Course Learning Outcomes	1. Defines restorative materials, lists their clinical indications and usage patterns, and applies them in the laboratory environment. 2. Defines tooth decay and lists the treatment methods. 3. Defines the pathology and prognosis of caries in different dental tissues. 3. Defines caries remineralization and lists the remineralization methods. 4. Defines the risk assessment of dental caries and lists the preventive methods. 5. Defines the etiologies of dentin sensitivity, lists and defines treatment methods. 6. Counts and defines caries-free tooth hard tissue losses, etiological factors, treatment methods, follow-up methods. 7. Defines pulp capping, lists and defines treatment methods. 8. Defines the effects of restorative dental treatment applications on dental hard tissues, lists and defines prevention methods.
Instruction Method *(Face-to-face, Distance education etc.)*	Face to face
Weekly Schedule of the Course	Week 1: Preparation before restorative procedures - SIMULATION UNIT, RUBBER COVER APPLICATION INTRODUCTION Week 2: Composite restorations - RUBBER DAM APPLICATION WITH DIFFERENT METHODS Week 3: Composite restorations - OCCUSAL CAVITY AND AMALGAM RESTORATION IN PRIMARY MOLARS AND LOWER AND UPPER MOLARS Week 4: Composite restorations - OCCLUSAL CAVITY AND AMALGAM RESTORATION IN PRIMARY MOLARS AND LOWER AND UPPER MOLARS Week 5: Composite restorations - CLASS II CAVITY AND AMALGAM RESTORATION IN PRIMARY MOLARS AND LOWER AND UPPER MOLARS Week 6: Adhesive systems - CLASS II CAVITY AND AMALGAM RESTORATION IN PRIMARY MOLARS AND LOWER AND UPPER MOLARS Week 7: Adhesive systems - MOD CAVITY AND AMALGAM RESTORATION IN PRIMARY MOLARS AND LOWER AND UPPER MOLARS Week 8: Adhesive systems - MODIFIED CAVITY APPLICATIONS ON PRIMARY MOLARS AND LOWER AND UPPER MOLARS Week 9: Adhesive systems - MOD CAVITY, COMPOSITE RESTORATION AND POLISHING OF PRIMARY MOLARS AND LOWER AND UPPER MOLARS

	Week 10: Glass ionomer, resin modified glass ionomer, compomer, giomer - MOD CAVITY, COMPOSITE RESTORATION AND POLISHING OF PRIMARY MOLARS AND LOWER AND UPPER MOLARS Week 11: Glass ionomer, resin modified glass ionomer, compomer, giomer - CLASS III CAVITY, COMPOSITE RESTORATION AND POLISHING OF LOWER AND UPPER TEETH 1, 2 AND 3 Week 12: Clinical features of dental caries, diagnosis, diagnostic methods and treatment planning - CLASS III CAVITY, COMPOSITE RESTORATION AND POLISHING OF LOWER AND UPPER TEETH 1, 2 AND 3 Week 13: Clinical features of dental caries, diagnosis, diagnostic methods and treatment planning CLASS V CAVITY PREPARATION, COMPOSITE RESTORATION AND POLISHING Week 14: Clinical features of dental caries, diagnosis, diagnostic methods and treatment planning CLASS V CAVITY PREPARATION, COMPOSITE RESTORATION AND POLISHING ----- Week 15: Clinical features of dental caries, diagnosis, diagnostic methods and treatment planning Week 16: Determination of dental caries risk, determination and evaluation of DMFT, DMFS indices Week 17: Pathology of dental caries (enamel, dentin, cementum caries) and prognosis Week 18: Caries prevention protocol in adults Week 19: Caries prevention protocol in adults Week 20: Remineralization of caries Week 21: Vital pulp treatments: Direct pulp capping, indirect pulp capping Week 22: Vital pulp treatments: Direct pulp capping, indirect pulp capping Week 23: Abrasion, erosion, attrition, abfraction Week 24: Abrasion, erosion, attrition, abfraction Week 25: Dentin sensitivity Week 26: Biological use in cavity preparation and repair Week 27: Biological use in cavity preparation and repair Week 28: Biological use in cavity preparation and repair In the 2nd semester, students do clinical observation for 2 weeks. 2 weeks/semester
Teaching Activities *(The time spent for the activities listed here will determine the amount of credit required)*	Weekly theoretical course hours : 1 hour/28 weeks Weekly practical course hours : 4 hours/ 14 weeks Reading activities Internet search and library work Designing and implementing materials : 1 hour / 9 weeks Making a report Preparing and making presentations Midterm and revision for midterm : 1 saat Final exam and revision for final exam : 1saat
Assessment Criteria	

	Sayısı	**Katkısı (%)**
Midterm exam	2	36
Assignment	1	12
Application		
Project		
Practice	1	12
Quiz		
Final exam	1	40
Total		100

Workload of the Course

Activity	Number of Weeks	Duration (Weekly Hour)	End of Semester Total Workload
Weekly theoretical course hours	28	1	28
Weekly practical course hours	14	4	56
Reading activities			
Internet search and library work			
Designing and implementing materials	9	1	9
Making a report			
Preparing and making presentations			
Midterm and revision for midterm	28	1	28
Final exam and revision for final exam	28	1	28
Total workload			149
Total workload/ 25			5.96
Course Credit (ECTS)			6

Contribution Level between Course Outcomes and Program Outcomes

No	Program Outcomes	1	2	3	4	5
1	The normal structure and functions of the human body and specifically the structures of the mouth and the teeth on the basis of cells, tissues, organs and systems, know the interactions.					X
2	Causes and formation of oral, dental and jaw diseases mechanisms, the findings caused by the structure and dysfunction and organism affect.					X
3	In the national core training program of dentistry and Gazi University Faculty of Dentistry Signs and symptoms in the Extended Education Program findings, diseases and conditions and occupational know the applications at a specified level, understand, associates and evaluates				X	
4	In line with personal learning needs to reach the best scientific evidence available, knows to evaluate reliability and validity.			X		
5	Legislation on professional legal responsibilities, know deontology and ethical principles.		X			
6	In the national core training program of dentistry and Gazi University Faculty of Dentistry Professional in the Extended Education Program know and do applications at a specified level.			X		
7	Evidence based appliction of diagnosis, management and follow-up process with critical toughts and ethical principles.		X			
8	Is aware of the limitations, professional development puts personal learning goals in a way to support to the appropriate center if necessary directs			X		
9	Diseases of the mouth, teeth and jaws in society knows the incidence, prevention and reduction contributes.				X	
10	Independently practicing on its own duties and responsibilities related to the law,		X			

		regulation, acts in accordance with the legislation and ethical principles.					
	11	Has teamwork and leadership skills, become role models to colleagues and society			X		
	12	Plans personal professional development, lifelong performs with the principle of learning.			X		
	13	Patients, patient relatives, other health personnel, community, effective written and oral communication with relevant sectors and media communicates.			X		
	14	Foreign language and information communication technologies monitors innovations in the profession.			X		
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