

COURSE DESCRIPTION FORM	
Course Code and Title	DHF-210 Restorative Dental Treatment
Course Semester	3-4
Course Catalog Description (Content)	General concepts in restorative dental treatment, introduction to preventive dentistry approaches, the rules of operative dentistry, caries removal methods and the materials used are explained and shown theoretically and practically.
Textbook	Sturdevant's Art and Science of Operative Dentistry, Theodore M. Roberson, Harald O. Hayman, Edward J. Swift. Mosby Inc, 2006
Supplementary Textbook	Textbook of Operative Dentistry, Baum L., Phillips RW., Lund MR., WB Saunders Company, 1995.
Course Credits (ECTS)	9
Course Prerequisites (Course attendance requirements should be specified in this article.)	Attendance to the course is mandatory. Course Prerequisites DHF 100 Dental Anatomy and Physiology ANA 100 General Anatomy HST 100 Histology I
Course Type	Vocational/Technical Lesson
Language of Instruction	Turkish
Course Objectives	To teach the general concepts of Restorative Dentistry and caries removal methods theoretically and practically.
Course Learning Outcomes	<ol style="list-style-type: none"> 1. Describe caries 2. Knows how to treat caries 3. Knows microorganisms that play a role in caries formation 4. Knows how to protect from caries 5. Knows the rules and preparation of cavity preparation 6. Know base materials and application 7. Knows temporary restorative materials and their application 8. Know amalgam restorations and their applications 9. Knows composite restorations and their applications 10. Knows inley, onlay and pin restorations
Mode of Delivery (Face to face, Remote etc.)	Face to face

Weekly Schedule

1. Week: Basic principles of restorative dental treatment- Instruments and equipment used in restorative dental treatment and infection control
2. Week: Removal of caries by conventional mechanical methods (hand tools and rotary tools) -General rules of cavity preparation for amalgam and composite resto
3. Week: Class I, Class V amalgam restoration, Class I, Class V composite restoration
4. Week: Class II amalgam restoration
5. Week: Class II composite restoration
6. Week: Class III composite restoration-Class IV composite restoration
7. Week: Modified cavity preparations
8. Week: Pin fillings, Inlay and onlay
9. Week: Enamel in terms of restorative dental treatment: formation, mineralization (embryology), enamel histology, physiology and biochemical structure
10. Week: Enamel and dentin in terms of restorative dental treatment: formation, mineralization (embryology), histology, physiology and biochemical structure of enamel
11. Week: Dentin in terms of restorative dental treatment: formation, histology, physiology and biochemical structure
12. Week: Dentine and cementum in terms of restorative dental treatment: formation, histology, physiology and biochemical structure
13. Week: Definition, history, caries of dental caries in adults theories - direct and indirect factors in caries - The role of microorganisms in the formation of dental caries in adults and the importance
14. Week: The role and importance of microorganisms in the formation of dental caries in adults
15. Week: The role and importance of biofilm layer in the formation of dental caries in adults
16. Week: The role and importance of saliva in the formation of dental caries in adults
17. Week: The role and importance of saliva in the formation of dental caries in adults
18. Week: Nutrition and caries
19. Week: Oral hygiene, dental sequences, importance of dental morphology in caries formation
20. Week: Fillers: base fillers, temporary fillers
21. Week: Fillers: base fillers, temporary fillers
22. Week: Amalgam restoration
23. Week: Amalgam restoration

	<p>24. Week: Composite materials: structure, classification and types</p> <p>25. Week: Composite materials: structure, classification and types</p> <p>26. Week: Composite materials: structure, classification and types</p> <p>Number of applications required in 1-28 weeks DRAWING OF ALL CLASSICAL AND MODERN CAVITY PREPERATIONS</p> <p>Preparation and filling class I, class II, class III, class IV, class V, mod cavity on phantom teeth</p> <p>Preparation and filling I, class II, class III, class IV, class V, mod, inley, piny cavity on retracted teeth</p> <p>Preparation and restoration of modern cavities in phantom and retracted teeth restoration and removal of caries in retracted teeth</p>																																
<p>Teaching and Learning Methods</p> <p>(The time spent on the activities mentioned here will determine the credit. It must be filled carefully.)</p>	<p>Weekly theoretical lesson hours: 2 hours</p> <p>Weekly applied lesson hours: 4 hours</p> <p>Reading activities</p> <p>Web browsing, library work</p> <p>Material design, application</p> <p>Report preparing</p> <p>Presentation preparation and presentation</p> <p>Midterm exam and preparation for the midterm exam:2 hours</p> <p>Final exam and preparation for final exam: 1 hour</p>																																
<p>Assesment Criteria</p>	<table border="1"> <thead> <tr> <th></th> <th>Number</th> <th>Contribution (%)</th> </tr> </thead> <tbody> <tr> <td>Midterm</td> <td>2</td> <td>24</td> </tr> <tr> <td>Homework</td> <td>1</td> <td>12</td> </tr> <tr> <td>Application</td> <td></td> <td></td> </tr> <tr> <td>Projects</td> <td></td> <td></td> </tr> <tr> <td>Practice (50% 1st practice exam, 50% 2nd practice exam)</td> <td>2</td> <td>24</td> </tr> <tr> <td>Quiz</td> <td></td> <td></td> </tr> <tr> <td>Semester final exam</td> <td>1</td> <td>40</td> </tr> <tr> <td>Total</td> <td>6</td> <td>100</td> </tr> </tbody> </table>		Number	Contribution (%)	Midterm	2	24	Homework	1	12	Application			Projects			Practice (50% 1st practice exam, 50% 2nd practice exam)	2	24	Quiz			Semester final exam	1	40	Total	6	100					
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Midterm Exam and Preparation for the Midterm Exam.	14	1	14
Final Exam and Preparation for the Final Exam	14	1	14
Other			
Total workload			224
Total workload/ 25			8,96
ECTS Credits of the Course			9

No	Program Learning 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	Conducts diagnosis, treatment and follow-up processes by prioritizing evidence-based practice, critical thinking 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, regulation, acts in accordance with the legislation and ethical principles.	X				
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			

Course's Contribution To Program

	Contribution Level: 1: Very Low 2: Low 3: Moderate 4: High 5: Very High
Lecturer(s) to Instruct the Course and Contact Information	<ol style="list-style-type: none">1. Prof. Oya Bala oyabala@gazi.edu.tr2. Prof. Mine Betül Üçtaşlı uctasli@gazi.edu.tr3. Prof. Hacer Deniz Arısu hacer@gazi.edu.tr4. Assoc. Prof. Suat Özcan suatozcan@gazi.edu.tr5. Asst. Prof. Cemile Kedici Alp cemilealp@gazi.edu.tr6. Asst. Prof. Sinem Akgül sinemakgul@gazi.edu.tr7. Asst. Prof. Hanife Altınışık hanifekamak@gazi.edu.tr