

COURSE DESCRIPTION FORM			
Course Code and Name	DHF 5542 Contemporary All Ceramic Materials and Systems		
Course Semester	10 th semester		
Catalogue Data of the Course (Course Content)	Learning the current all-ceramic types, systems, ceramic materials and systems' usage fields and applications		
Course Textbooks	Stephen F. Rosenstiel, Marti F. Land, Junhei Fujimoto. Contemporary Fixed Prosthodontics. Mosby Elsevier. 2006		
Supplementary Textbooks	Shillenburg et al. Fundamentals of Fixed Prosthodontics, Quintessence Publishing Co. 2012		
Credit (ECTS)	3		
Prerequisites for the Course (Attendance Requirements)	70% theoretical course attendance was required		
Course Type	Optional lesson		
Language of Instruction	Türkisch		
Course Objectives	Knows current all-ceramic systems, learns the usage areas of all-ceramic materials		
Course Learning Outcomes	<ol style="list-style-type: none"> 1. Knows indications and the classification of All-Ceramic Systems and materials 2. Knows the advantages and disadvantages of all ceramic systems and materials. 3. Have knowledge about CAD CAM systems 4. Gains knowledge about zirconia-based all-ceramic restorations. 5. Have knowledge about failures in all-ceramic restorations 		
Instruction Method (Face-to-face, Distance education etc.)	Face to face		
Weekly Schedule of the Course	<p>Week 1: Definition, classification, usage areas of dental ceramics</p> <p>Week 2: Indications and classification of all-ceramic systems and materials</p> <p>Week 3: Full porcelain systems fired on heat resistant days</p> <p>Week 4: Compressible porcelain systems produced with heat and pressure</p> <p>Week 5: CAD CAM systems</p> <p>Week 6: Zirconia-based all-ceramic restorations</p> <p>Week 7: Resinmatrix ceramics</p> <p>Week 8: Monolithic all-ceramic restorations</p> <p>Week 9: Tooth preparation methods in all-ceramic restorations</p> <p>Week 10: Partial crowns made using all-ceramic materials</p> <p>Week 11: Failures with all-ceramic restorations</p> <p>Week 12: Cementation methods in all-ceramic restorations</p> <p>Week 13: Clinical studies on all-ceramic restorations</p> <p>Week 14: Systematic review reports on all-ceramic restorations in recent years</p>		
Teaching Activities (The time spent for the activities listed here will determine the amount of credit required)	<p>Weekly theoretical course hours : 14 weeks / 1 hour .</p> <p>Midterm and midterm exam preparation: 1 week, 1 hour</p> <p>Final exam and preparation for the final exam: 1 week, 1 hour</p>		
Assessment Criteria		Number(s)	Weight (%)
	Midterm exam	1	60

	Assignment						
	Application						
	Project						
	Practice						
	Quiz						
	Final exam	1		40			
	Total	2		100			
Workload of the Course	Activity	Number of Weeks	Duration (Weekly Hour)	End of Semester Total Workload			
	Weekly theoretical course hours	1	42				
	Weekly practical course hours						
	Reading activities	1	14				
	Internet search and library work						
	Designing and implementing materials						
	Making a report	1	14				
	Preparing and making presentations	1	1				
	Midterm and revision for midterm	1	1				
	Final exam and revision for final exam	1	1				
	Total workload		73				
	Total workload/ 25		2.92				
	Course Credit (ECTS)		3				
Contribution Level between Course Outcomes and Program Outcomes	No	Program Outcomes	1	2	3	4	5
	1	Knows the normal structure and functions of the human body and specifically the structures in the mouth area and teeth on the basis of cells, tissues, organs and systems, and their interactions with each other.				X	
	2	Knows the causes and formation mechanisms of mouth, teeth and jaw diseases, their findings, structure and functional disorders and how these disorders influence the organism.			X		
	3	Knows the symptom and findings, diseases and situations and professional practices in the Dentistry National Core Education Program and Extended Education Program Gazi University Faculty of Dentistry at determined levels, comprehends, relates, evaluates.				X	
	4	Knows accessing the best up-to-date scientific evidence and how to evaluate the reliability and validity in line with personal learning needs.			X		
	5	Knows the professional legal responsibilities, deontology and ethical principles.				X	
	6	Knows and does the professional practices Dentistry National Core Education Program and Extended Education Program Gazi University Faculty of Dentistry at determined levels.				X	
	7	Carries out the diagnosis, treatment and follow-up processes on evidence based practice, critical thinking and ethical principles.				x	

	8	Aware of his limitations, sets learning goals to support his professional development, If necessary, directs the patient to an appropriate center.					X	
	9	Knows the incidence of mouth, teeth and jaw diseases, contributes to their prevention and reduction.					X	
	10	Acts in accordance with law, regulation, legislation and ethical principles regarding his duties and responsibilities while independently practicing his profession on his own.					X	
	11	Has teamwork and leadership skills, becomes a role model to his colleagues and society.					X	
	12	Plans personal professional development, and performs with the principle of lifelong learning.					X	
	13	Establishes written and verbal communication with the patient, patient relatives, other health personnel, society, relevant sectors and the media.					X	
	14	follows the innovations in his profession Using foreign language and information communication technologies.			X			
	Lecturer(s) and Contact Information	Lecturer's First/Last Name: Bilge Turhan Bal E-mail address: bturhan@gmail.com						