

COURSE DESCRIPTION FORM	
Course Code and Name	DHF100 Dental Anatomy and Physiology
Course Semester	1-2
Catalogue Data of the Course (Course Content)	Dental materials and physiology and anatomy of the oral - extraoral tissues are being taught with the theoretical and practical applications, and getting skill about them.
Course Textbooks	1) Nelson SJ. Wheeler's dental anatomy, physiology and occlusion. 10th ed. Elsevier Health Sciences, 2015. 2) Scheid R, Weiss G. Woelfels Dental Anatomy. 9th ed. Lippincott Williams&Wilki, 2017. 3) Rajkumar K, Ramya R. Textbook of Oral Anatomy, Physiology, Histology and Tooth Morphology. 2nd ed. Wolterskluwer, 2017.
Supplementary Textbooks	-
Credit (ECTS)	11
Prerequisites for the Course (Attendance Requirements)	1) 70% theoretical course, 80% practical course attendance are required. 2) He/she has to complete the practical laboratory applications, which are mandatory reported to be carried out by the Department of Prosthetic Dentistry, completely within the year. 3) The final exam (final) of the course is given in two stages, theoretically and practically. It is mandatory to take both exams.
Course Type	Compulsory
Language of Instruction	Turkish
Course Objectives	To teach the student, the theoretical and practical knowledge about the anatomy and physiology of teeth and surrounding tissues. To give the theoretical knowledge of the materials used in dentistry and to make the practical applications.
Course Learning Outcomes	1. Students know the terminology in dentistry, manipulation materials and the structure of the substance. 2. Student know the properties of gypsum, wax and acrylic resins and their applications 3. Student know the anatomy of the oral cavity, maxillae and mandible. 4. Student know the development of natural teeth and dental formulas. 5. Student know the function and morphological features of upper and lower incisors, canines, molars and making application 6. Student know the functions of morphological features application of upper and lower molars and making application. 7. Student know metals and their alloys, investment materials, casting techniques. 8. Student know the properties of special tray, repairing acrylic resin, finishing and polishing acrylic resin.
Instruction Method (Face-to-face, Distance education etc.)	This course is carried out in the form of theoretical and practical training in the laboratory face-to-face.
Weekly Schedule of the Course	Theoretical courses: Week 1: Terminology, manipulation materials, introduction to materials science (structure of a substance and physical properties) Week 2: Properties and manipulation of the dental stone, the structure of plaster and chemical properties Week 3: Properties and manipulation of the wax, Week 4: Properties and manipulation of the acrylic resin, polymer and polymerisation, Week 5: Mouth cavity and its anatomy, Anatomy of the maxilla, anatomy of the mandible Week 6: development of the teeth, notation of teeth Week 7: Permanent maxillary central incisor teeth Week 8: permanent maxillary lateral incisor teeth Week 9: Permanent mandibular central and lateral incisor teeth Week 10: Permanent maxillary canine teeth Week 11: Permanent mandibular canine teeth

	<p>Week 12: Permanent upper first premolars, Week 13: Permanent maxillary 2nd premolars Week 14: Permanent mandibular first premolars Week 15: Permanent mandibular 2nd premolars Week 16: Permanent maxillary 1st molar teeth Week 17: Permanent maxillary 2nd molar teeth Week 18: Permanent mandibular 1st molar teeth Week 19: Permanent mandibular 2nd molar teeth Week 20: Permanent maxillary and mandibular 3rd molar teeth Week 21: Casting techniques. Investment materials Week 22: Metals and their alloys Week 23: Properties of the impression materials and irreversible hydrocolloids Week 24: individual impression trays Week 25: Materials and waxes used for the fabrication of base plates Week 26: soldering technique and solder Week 27: Acrylic resin repair. Drills, abrasives and polishing materials used in dentistry Week 28: Description, history and classification of prosthodontics.</p> <p>Practical courses: Week 1: Introduction of preclinical laboratories and materials Week 2: Practice of dental stone Week 3: Practice of wax Week 4: Practice of acrylic resin Week 5: Practice of acrylic resin Week 6: Wire bending and forming Week 7: Carving of permanent maxillary central incisor teeth Week 8: Carving of permanent maxillary lateral incisor teeth Week 9: Carving of permanent mandibular central and lateral incisor teeth Week 10: Carving of permanent maxillary canine teeth Week 11: Carving of permanent mandibular canine teeth Week 12: Carving of permanent upper first premolars, Week 13: Carving of permanent maxillary 2nd premolars Week 14: Carving of permanent mandibular first premolars Week 15: Carving of permanent mandibular 2nd premolars Week 16: Carving of permanent maxillary 1st molar teeth Week 17: Carving of permanent maxillary 2nd molar teeth Week 18: Carving of permanent mandibular 1st molar teeth Week 19: Carving of permanent mandibular 2nd molar teeth Week 20: Carving of permanent maxillary and mandibular 3rd molar teeth Week 21: Casting practice. Week 22: Casting practice. Week 23: Taking impression from dental casts. Week 24: Preparing individual impression trays from base plate and acrylic. Week 25: Preparing individual impression trays from base plate and acrylic. Week 26: Evaluation of homework repetition Week 27: Acrylic resin repair. Week 28: Evaluation of homework repetition.</p>																										
<p>Teaching Activities <i>(The time spent for the activities listed here will determine the amount of credit required)</i></p>	<table border="0"> <tr> <td>Weekly Theoretical Course Hours</td> <td>28 hafta/ 2 saat</td> </tr> <tr> <td>Weekly Tutorial Hours</td> <td>28 hafta/ 6 saat</td> </tr> <tr> <td>Reading Tasks</td> <td>8 hafta/2 saat</td> </tr> <tr> <td>Searching in Internet and Library</td> <td>8 hafta/2 saat</td> </tr> <tr> <td>Midterm Exam and Preparation for Midterm Exam</td> <td>2 hafta/3 saat</td> </tr> <tr> <td>Final Exam and Preparation for Final Exam</td> <td>1 hafta/ 1 saat</td> </tr> </table>			Weekly Theoretical Course Hours	28 hafta/ 2 saat	Weekly Tutorial Hours	28 hafta/ 6 saat	Reading Tasks	8 hafta/2 saat	Searching in Internet and Library	8 hafta/2 saat	Midterm Exam and Preparation for Midterm Exam	2 hafta/3 saat	Final Exam and Preparation for Final Exam	1 hafta/ 1 saat												
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<p>Assessment Criteria</p>	<table border="1"> <thead> <tr> <th></th> <th>Number(s)</th> <th>Weight (%)</th> </tr> </thead> <tbody> <tr> <td>Midterm exam</td> <td>2</td> <td>24</td> </tr> <tr> <td>Assignment</td> <td></td> <td></td> </tr> <tr> <td>Application</td> <td>1(25)</td> <td>18</td> </tr> <tr> <td>Project</td> <td></td> <td></td> </tr> <tr> <td>Practice</td> <td>2</td> <td>18</td> </tr> <tr> <td>Quiz</td> <td></td> <td></td> </tr> <tr> <td>Final exam</td> <td>1</td> <td>40</td> </tr> </tbody> </table>				Number(s)	Weight (%)	Midterm exam	2	24	Assignment			Application	1(25)	18	Project			Practice	2	18	Quiz			Final exam	1	40
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	Total	6	100						
Workload of the Course	Activity	Number of Weeks	Duration (Weekly Hour)	End of Semester Total Workload					
	Weekly theoretical course hours	28	2	56					
	Weekly practical course hours	28	6	168					
	Reading activities	8	2	16					
	Internet search and library work	8	2	16					
	Designing and implementing materials								
	Making a report								
	Preparing and making presentations								
	Midterm and revision for midterm	2	3	6					
	Final exam and revision for final exam	1	1	1					
	Total workload			263					
	Total workload/ 25			10.52					
	Course Credit (ECTS)			11					
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 and teeth in the mouth area on the basis of cells, tissues, organs and systems, and their interactions with each other.					X		
	2	Defines the causes and formation mechanisms of mouth, teeth and jaw diseases, the findings they cause, structure and function disorders and how they affect the organism.					X		
	3	Knows, comprehends, associates and evaluates the symptoms and findings, diseases and conditions and professional practices in the national core education program of dentistry and Gazi University Faculty of Dentistry Extended Education Program at a determined level.					X		
	4	Knows how to reach the best current scientific evidence, evaluate its reliability and validity in line with personal learning needs.					X		
	5	Knows the legislation on professional legal responsibilities, deontology and ethical principles.					X		
	6	Knows and makes professional practices in the national core education program of dentistry and Gazi University Faculty of Dentistry Extended Education Program at the specified level.					X		
	7	Carries out diagnosis, treatment and follow-up processes by prioritizing evidence-based practice, critical thinking and ethical principles.					X		
	8	Aware of her limitations, sets personal learning goals to support her professional development, and directs the patient to the appropriate center when necessary.					X		
	9	Knows the incidence of diseases in the mouth, teeth and jaws in society, contributes to the prevention and reduction.					X		

	10	While practicing his/her profession independently, she acts in accordance with the laws, regulations, legislation and ethical principles related to her duties and responsibilities.		X			
	11	Has teamwork and leadership skills, becomes a role model to colleagues and society.			X		
	12	Plans personal professional development, realizes it with the principle of lifelong learning.		X			
	13	Establishes effective written and verbal communication with the patient, patient relatives, other health personnel, society, relevant sectors and the media.		X			
	14	Follows the innovations in the profession by using foreign language and information communication technologies.		X			
Lecturer(s) and Contact Information	<ol style="list-style-type: none"> 1. Prof. Dr. Levent NALBANT (leventnabant@gmail.com) 2. Prof. Dr. Gülfem ERGÜN(ergungulfem@yahoo.com) (Responsible lecturer of the class) 3. Prof. Dr. Işıl ÇEKİÇ NAGAŞ (isilcekic@gazi.edu.tr) 4. Prof. Dr. Ferhan EĞİLMEZ (fegilmez@gazi.edu.tr) 5. Prof. Dr. N. Volkan ASAR (nvolkan@gazi.edu.tr) 						