

<b>COURSE DESCRIPTION FORM</b>	
<b>Course Code and Name</b>	<b>DHF 222 Endodontics</b>
<b>Course Semester</b>	4. SEMESTER
<b>Catalogue Data of the Course (Course Content)</b>	In addition to basic theoretical education including pulp and pulp diseases, students gain basic knowledge, skills and attitudes about root canal anatomy in the preclinic.
<b>Course Textbooks</b>	1- Endodonti-Prof. Dr. Tayfun ALAÇAM 2- Pathways of the Pulp-Cohen, Hargreaves
<b>Supplementary Textbooks</b>	Lecturer notes
<b>Credit (ECTS)</b>	3
<b>Prerequisites for the Course (Attendance Requirements)</b>	Attendance is mandatory. The practical application of the course (homework) is the threshold for taking the final exam (Final). The student who cannot successfully complete the practical application cannot be entitled to take the end-of-term exam. All exams of the course are a whole. In order to create a success grade, the student has to enter every stage (theoretical-practical) of the exam. Course Prerequisites: DHF 100 Dental Anatomy and Physiology HST 100 Histology I FZY100 Physiology I
<b>Course Type</b>	Vocational/Technical Lesson
<b>Language of Instruction</b>	Turkish
<b>Course Objectives</b>	Teaching students pulp anatomy and access cavity opening rules
<b>Course Learning Outcomes</b>	1. Students recognize the materials to be used in endodontic treatment. 2. Knows pulp anatomy of upper and lower incisors, premolars and molars. 3. Knows the rules of opening access cavity in upper and lower incisors, premolars and molars..
<b>Instruction Method (Face-to-face, Distance education etc.)</b>	Lectures, Question and answers, Demonstration, Practical Application, Evaluation, Face to face.
<b>Weekly Schedule of the Course</b>	<ol style="list-style-type: none"> <li>1. Week History of Endodontics</li> <li>2. Week The Dental Pulp</li> <li>3. Week The Dental Pulp</li> <li>4. Week The Dental Pulp</li> <li>5. Week Cement</li> <li>6. Week Dentin Sensitivity, Pulp Hiperemy, Acute Pulpitis, Chronic Pulpitis</li> <li>7. Week Pulp Necrosis, dental polip, Pulp Gangrene</li> <li>8. Week Pulp Degenerations</li> <li>9. Week The effect of Operative Applications to dental pulp</li> <li>10. Week The effect of Operative Applications to dental pulp</li> <li>11. Week Acute Apical Periodontitis, Acute Apical Abscess, Chronic Apical Periodontitis, Chronic Apical Abscess, Condensing Osteitis, Sementoma</li> <li>12. Week Instruments used in Endodontic Treatments</li> <li>13. Week Instruments used in Endodontic Treatments</li> <li>14. Week Sterilization and Disinfection in Endodontics</li> </ol> <p>Preclinical Program:</p> <ol style="list-style-type: none"> <li>1. Week Meeting and preparation of material lists</li> <li>2. Week Drawing and naming the anatomical and morphological structures of the tooth layers by taking a longitudinal section of 1 upper incisor (central or lateral) tooth</li> <li>3. Week: Drawing and naming the anatomical and morphological structures of the tooth layers by taking a longitudinal section of 1 lower incisor (central or lateral) tooth</li> </ol>

	<p>4. Week: Drawing and naming the anatomical and morphological structures of the tooth layers by taking a longitudinal section of 1 maxillary tooth</p> <p>5. Week Drawing and naming the anatomical and morphological structures of the tooth layers by taking a longitudinal section of 1 lower canine tooth</p> <p>6. Week Drawing and naming the anatomical and morphological structures of the tooth layers by taking the longitudinal section of 1 maxillary molar</p> <p>7. Week Drawing and naming the anatomical and morphological structures of the tooth layers by taking the longitudinal section of 1 lower premolar tooth</p> <p>8. Week Drawing and naming the anatomical and morphological structures of the tooth layers by taking the longitudinal section of 1 maxillary molar</p> <p>9. Week Drawing and naming the anatomical and morphological structures of the tooth layers by taking a longitudinal section of 1 mandibular molar</p> <p>10. Week 1 upper incisor access cavity opening</p> <p>11. Week 1 upper premolar access cavity opening</p> <p>12. Week 1 maxillary molar access cavity opening</p> <p>13. Week 1 lower premolar access cavity opening</p> <p>14. Week 1 lower molar access cavity opening</p>			
<p><b>Teaching Activities</b> (The time spent for the activities listed here will determine the amount of credit required)</p>	<p>Weekly lecture hours: 1 hour/week</p> <p>Weekly applied course hours: 2 hours/week</p> <p>Reading Activities: 1 hour/week</p> <p>Internet browsing, library work: 1 hour/week</p> <p>Material design, application: Report preparing Prepare a presentation Presentation</p> <p>Midterm and midterm exam preparation: 5 hours</p> <p>Final exam and preparation for the final exam: 5 hours</p>			
<p><b>Assessment Criteria</b></p>		<p><b>Number(s)</b></p>	<p><b>Weight (%)</b></p>	
	Midterm exam	1	30	
	Assignment(Consists of 13 assignments)	1	12	
	Application			
	Project			
	Practice (midterm)		18	
	Quiz			
	Final exam(half is practical and half is theoretical)		40	
Total		100		
<p><b>Workload of the Course</b></p>	<p><b>Activity</b></p>	<p><b>Number of Weeks</b></p>	<p><b>Duration (Weekly Hour)</b></p>	<p><b>End of Semester Total Workload</b></p>
	Weekly theoretical course hours	14	1	14
	Weekly practical course hours	14	2	28
	Reading activities	14	1	14
	Internet search and library work	14	1	14
	Designing and implementing materials			
	Making a report			
	Preparing and making presentations			
	Midterm and revision for midterm	1	5	5
	Final exam and revision for final exam	1	5	5
	Total workload		14	80
	Total workload/ 25			3,2
Course Credit (ECTS)			3	

<b>Contribution Level between Course Outcomes and Program Outcomes</b>	No	Program Outcomes	1	2	3	4	5
	1	Knows the normal structures 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 oral, dental and jaw diseases, the findings they cause, structural and functional disorders and how they affect the organism.		X			
	3	Knows, grasps, correlates, evaluates the symptoms and findings in the national core education program of dentistry and Gazi University Faculty of Dentistry Extended Education Program, diseases and conditions and professional practices at a determined level.		X			
	4	Knows to reach the best up-to-date 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 performs the professional practices in the national core education program of Dentistry and the Extended Education Program of Gazi University Faculty of Dentistry at the determined level.					X
	7	Carries out diagnosis, treatment and follow-up processes by prioritizing evidence-based practice, critical thinking and ethical principles.	X				
	8	Becomes aware of his/her limitations, set personal learning goals to support professional development, guide the patient to the appropriate center when necessary.	X				
	9	Knows the prevalence of diseases in the mouth, teeth and jaws in the society, contributes to prevention and reduction	X				
	10	Acts in accordance with the laws, regulations, legislation and ethical principles regarding their duties and responsibilities while independently practicing their profession.	X				
	11	Has teamwork and leadership skills, and becomes a role model for colleagues and society.	X				
	12	Plans personal professional development and realizes it with the principle of lifelong learning.		X			
	13	Establishes effective written and verbal communication with patients, their relatives, other healthcare professionals, society, relevant sectors and media	X				
14	Follows the innovations in the profession by using foreign language and information communication technologies	X					

**Lecturer(s) and Contact  
Information**

PROF. DR. SİS YAMAN : sisyaman@gazi.edu.tr  
PROF. DR. CEMAL TINAZ : tinaz@gazi.edu.tr  
PROF. DR. ÖZGÜR TOPUZ : topuz30@hotmail.comtopuz@gazi.edu.tr  
PROF. DR. ÖZGÜR UZUN : drdtozguruzun@yahoo.com,  
ozguruzun@gazi.edu.tr  
PROF. DR. BAĞDAGÜL H. KIVANÇ : bagdagulkivanc@gmail.com ,  
bagdagul@gazi.edu.tr  
PROF. DR. GÜVEN KAYAOĞLU: guvenkayaoglu@gmail.com,  
guvenk@gazi.edu.tr  
PROF. DR. Ö. İLKE ATASOY ULUSOY: ilkeatasoy@yahoo.com ,  
ilkeulusoy@gazi.edu.tr  
DOÇ. DR. MÜGEM ASLI EKİCİ : muugeem@hotmail.com,  
mugemasli@gazi.edu.tr,