

COURSE DESCRIPTION FORM																					
Course Code and Name	DHF 4402 Laboratory Techniques Used in Examination of Intraoral Tissues																				
Course Semester	7																				
Catalogue Data of the Course (Course Content)	It is about pre-examination evaluation methods of microscopic analysis of biopsy materials taken from the oral area																				
Course Textbooks	Richard A. McPherson Matthew R. Pincus Henry Clinical Diagnosis and Management by Laboratory Methods, 22ed, 2011 Levine Martin Topics in Dental Biochemistry Springer,2011																				
Supplementary Textbooks	Santosh Kumar Mondal Manual of Histological Techniques Jaypee, 2017 Sadhana Vishwakarma Techniques in Histopathology & Cytopathology A Guide for Medical Laboratory Technology Students Jaypee, 2017																				
Credit (ECTS)	3																				
Prerequisites for the Course (Attendance Requirements)	DHF 380 Dentistry Basic Pathology . It is mandatory to attend the course.																				
Course Type	Vocational / Technical Compulsory Course																				
Language of Instruction	Turkish																				
Course Objectives	This course aims to teach laboratory methods used for the diagnosis of oral diseases, preparation of samples and applications.																				
Course Learning Outcomes	<ol style="list-style-type: none"> 1. Understands the role of microscopic examination in dental practice 2. Understands which laboratory methods can be used during diagnosis and post-treatment follow-up 3. Have information about the procedures to be done before the histopathological evaluation of intraoral lesions. 																				
Instruction Method (Face-to-face, Distance education etc.)	Face-to-face lecture, demonstration, question-answer																				
Weekly Schedule of the Course	<ol style="list-style-type: none"> 1. General principles of basic sciences laboratory applications of dentistry 2. Basic sciences laboratory function and order 3. Solutions used in the laboratory 4. Tools used in the basic sciences laboratory and their usage areas 5. Examination of bacteria and basic staining methods 6. Evaluation of hematological samples 7. Biochemical markers of bone metabolism 8. Biochemical structure of saliva 9. Histopathological techniques 10. Exfoliative cytology 11. Fine needle aspiration cytology 12. Preparation methods for teeth, bones and oral soft tissues 13. Light microscopic evaluation of laboratory preparations 1 14. Light microscopic evaluation of laboratory preparations 2 																				
Teaching Activities (The time spent for the activities listed here will determine the amount of credit required)	<table> <tbody> <tr> <td>Weekly theoretical course hours</td> <td>11 weeks/3 hours</td> </tr> <tr> <td>Weekly practical course hours</td> <td>3 weeks/3 hours</td> </tr> <tr> <td>Reading activities</td> <td>14 weeks/1 hour</td> </tr> <tr> <td>Internet search and library work</td> <td>14 weeks/1 hour</td> </tr> <tr> <td>Designing and implementing materials</td> <td></td> </tr> <tr> <td>Making a report</td> <td></td> </tr> <tr> <td>Preparing and making presentations</td> <td></td> </tr> <tr> <td>Midterm and revision for midterm</td> <td>1 week/3 hours</td> </tr> <tr> <td>Final exam and revision for final exam</td> <td>1 week/2 hours</td> </tr> </tbody> </table>			Weekly theoretical course hours	11 weeks/3 hours	Weekly practical course hours	3 weeks/3 hours	Reading activities	14 weeks/1 hour	Internet search and library work	14 weeks/1 hour	Designing and implementing materials		Making a report		Preparing and making presentations		Midterm and revision for midterm	1 week/3 hours	Final exam and revision for final exam	1 week/2 hours
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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	11	3	33					
	Weekly practical course hours	3	3	9					
	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	3	3					
	Final exam and revision for final exam	1	2	2					
	Total workload			75					
	Total workload/ 25			3,0					
	Course Credit (ECTS)			3					
	Contribution Level between Course Outcomes and Program Outcomes	No	Program Outcomes			1	2	3	4
1		Knows the normal structures and functions of the human body, 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		Describes 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.							
3		Knows, grasps, correlates and 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.							
4		Knows to reach the best up-to-date scientific evidence, evaluate its reliability and validity in line with personal learning needs.							
5		Knows the legislation on professional legal responsibilities, deontology and ethical principles.							
6		Knows and performs the professional practices in the national core education program of dentistry and Gazi University Faculty of Dentistry Extended Education Program.							
7		It conducts diagnosis, treatment and follow-up processes by prioritizing evidence-based practice, critical thinking and ethical principles							

	8	Aware of its limitations, sets personal learning goals to support professional development, directs the patient to the appropriate center when necessary.						
	9	Knows the prevalence of diseases in the mouth, teeth and jaws in the society, contributes to prevention and reduction.						
	10	Acts in accordance with the laws, regulations, legislation and ethical principles regarding their duties and responsibilities while independently practicing their profession.						
	11	Has teamwork and leadership skills, and becomes a role model for colleagues and society.						
	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.						
	14	Follows the innovations in his profession by using foreign language and information communication technologies.				X		
Lecturer(s) and Contact Information	1. Sibel Elif Gültekin sibelg@gazi.edu.tr 2. Benay Yıldırım benay@gazi.edu.tr 3. Emre Barış emrebaris@gazi.edu.tr 4. Burcu Toközlü bsenguven@gazi.edu.tr							