

## COURSE DESCRIPTION FORM

<b>Course Code and Name</b>	<b>DHF 380 Basic Pathology</b>
<b>Semester of the Course</b>	5-6
<b>Course Content / Catalog Content</b>	It deals with the cause of occurrence of basic pathological events (etiology), development mechanism (pathogenesis) and the relationship between morphological changes and diseases at cell, tissue and organ levels.
<b>Basic Textbook</b>	Kumar V, Abbas A.K , Fausto N: Robbins and Cotran Pathologic Basis of Disease, 10th ed., Philadelphia:Elsevier , 2017.
<b>Auxiliary Textbooks</b>	Oral Pathology; Clinical Pathologic Correlations. Regezi, Sciubba, Jordan. 7th ed, Elsevier, 2017
<b>Course Credit (ECTS)</b>	3
<b>Course Prerequisites (Course attendance requirements should be specified in this article.)</b>	DHF190, HST100, HST200 It is mandatory to attend the course.
<b>Course Type</b>	Vocational / Technical Course
<b>Language of the Course</b>	Turkish
<b>Course Objectives and Goals</b>	To teach the basic pathological events occurring in living organisms at the cell, tissue and organ level. To explain the structural changes causing the disease and the causes and formation mechanisms of functional disorders. To teach the basic diagnostic methods used in pathological processes.
<b>Learning Outcomes of the Course</b>	<ol style="list-style-type: none"> <li>1. Explains the formation mechanisms of pathological processes.</li> <li>2. Recognize the molecular and morphological changes occurring at the cell and tissue level in pathological processes.</li> <li>3. Associates molecular and morphological changes in pathological processes with pathophysiological mechanisms (diseases).</li> <li>4- Determine the appropriate diagnostic methods by associating the basic principles and concepts of the diagnostic approach with pathological processes.</li> </ol>
<b>Course Format</b>	Face-to-face lecture, demonstration, question-answer
<b>Weekly Distribution of the Course</b>	<ol style="list-style-type: none"> <li>1. Cellular adaptation</li> <li>2. Cell injury and ischemic injury</li> <li>3. Free radicals and injury morphology</li> <li>4. Necrosis, apoptosis</li> <li>5. Introduction to inflammation and vascular changes</li> <li>6. Inflammation, cellular changes</li> <li>7. Chemical mediators of inflammation</li> <li>8. chronic inflammation</li> <li>9. Recovery, cell cycle</li> <li>10. Ecm, wound healing</li> <li>11. Edema, congestion, bleeding</li> <li>12. Thrombosis, embolism, infarction</li> <li>13. Atherosclerosis and CV system diseases</li> <li>14. Diabetes and endocrine system diseases</li> <li>15. Immune System Cells</li> <li>16. Hypersensitivity reactions (type I-ii)</li> <li>17. Hypersensitivity reactions (type iii-iv)</li> <li>18. Autoimmune diseases</li> <li>19. Immunodeficiencies, AIDS</li> <li>20. Tumor nomenclature, cancer epidemiology</li> </ol>

	21. Characteristics of benign-malignant tumors 22. Molecular basis of cancer (oncogenes, antioncogenes) 23. Molecular basis of cancer (apoptosis and dna repair genes) 24. Carcinogenic agents 25. Tumor biology 26. Staging and diagnostic methods, clinical features of tumors 27. Leisure time activities 28. Leisure time activities																																																												
<b>Teaching Activities</b> <i>(The time spent for the activities mentioned here will determine the credit. It needs to be filled carefully.)</i>	Theoretical hours per week: <b>28 weeks / 2 hours</b> Internet browsing, library work <b>4 weeks / 1 hour</b> Preparing a presentation Presentation Midterm and midterm exam preparation <b>2 weeks / 4 hours</b> Final exam and preparation for the final exam <b>1 week / 7 hours</b>																																																												
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**Contribution Level Between Course Outcomes and Program Outcomes**

No	Program Outcomes	1	2	3	4	5
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.					x
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.					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.					



	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			
<b>Instructor (s) to Give the Course and Contact Information</b>	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							