COURSE DESCRIPTION FORM				
Course Code and Name	FZY100 Physiology I			
Course Semester	1-2			
Catalogue Data of the Course (Course Content)	Cell Physiology, Peripheral Nervous System, Muscle, Blood, Autonomic Nervous System			
Course Textbooks	Rhoades Medical Physiology, LWW, 4th Ed. 2012 Ganong's Review of Medical Physiology, 24th Ed. LANGE 2012 Linda S. Contanzo, Physiology, LWW, 5th ed.,Elsevier 2014 Berne&LevyPhysiology, 7th Updated Edition, Elsevier 2018 Human Physiology Book, 2021			
Supplementary Textbooks	-			
Credit (ECTS)	5			
Prerequisites for the Course (Attendance Requirements)	There are no prerequisites for the course. The attendance requirement of the student is according to Gazi University Faculty of Dentistry Education-Training and Examination Directive.			
Course Type	Professional/ Technical			
Language of Instruction	Turkish			
Course Objectives	To learn the functions of organs and systems, the mechanisms of interaction with each other and the changes in function observed in clinical-pathological conditions.			
Course Learning Outcomes	 The student should umderstand the terminology of physiology. The student should understand the concept of homeostasis. The student should be able to know cell organelles, solute and water transport through cell membrane. The student should know the physiology and pathophysiology of peripheral nervous system. The student should know the physiology of autonomic nervous system. The student should know the striated and smooth muscle physiology and physiopathology. The student should know blood physiology and physiopathology. 			
Instruction Method	Lessons are given in an amphitheater (with the support of projector, computer,			
(Face-to-face, Distance	animation, etc.). Face-to-face lecture is carried out in the form of mutual discussion			
education etc.)	(question and answer). Week 1: Introduction to physiology (internal environment, homeostasis), Body fluid			
Weekly Schedule of the Course	 compartments and their properties Week 2: Functions of cell organelles Week 3: Solute and water transport through cell membrane, and Bioelectric potentials Week 4: Solute and water transport through cell membrane, and Bioelectric potentials Week 5: Solute and water transport through cell membrane, and Bioelectric potentials Week 6: Peripheral nervous system physiology, Peripheral nerve conduction properties Week 7: Synaptic activity, Synaptic transmission Week 8: Synaptic activity, Synaptic transmission Week 9: Autonomic nervous system Week 10: Autonomic nervous system Week 12: Nerve muscle junction, striated muscle and contraction theories Week 13: Nerve muscle junction, striated muscle and contraction theories Week 14: Nerve muscle junction, striated muscle and contraction theories Week 15: Mechanical properties of striated muscle Week 16: Spinal reflexes Week 17: Spinal reflexes 			

	Week 18: Functions of blood, its physical and chemical properties, regulation of blo production									olood	
	Week 19: Functions of blood, its physical and chemical properties, regulation of blood production								blood		
	 Week 20: Functions of blood, its physical and chemical properties, regulation of blood production Week 21: Erythrocyte functions, blood groups and blood transfusion Week 22: Frythrocyte functions, blood groups and blood transfusion 								blood		
	Week 23: Erythrocyte functions, blood groups and blood transfusion										
	Week 24: Leukocyte functions Week 25: Leukocyte functions										
	Week 26: Platelet functions and physiological properties of bleeding										
	Week 27: Platelet functions and physiological properties of bleeding										
	Weekly theo	oretical course h	ours: 28 we	eks / 2	hours						
	Weekly prac	tical course hou	irs								
Teaching Activities	Reading acti	vities: 24 weeks	s / 1 hour	-ke / 1	hour						
activities listed here will	Designing a	nd implementing	g materials:	CK5 / 1	lioui						
determine the amount of	Making a rep	port:									
credit required)	Preparing an	d making prese	ntations:	1 . / .	4.1						
	Final exam a	and revision for mi	final exam: 2 we	eeks / 4 3 week	+ nours						
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	Midterm exam		2				60)			
	Assignment			_							
Assessment Criteria	Project										
	Practice										
	Quiz										
	Final exam		1	40							
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14	Follows the innovations in the profession by using foreign language and information communication technologies.	x				
12	executes it with the principle of lifelong learning Establishes effective written and verbal communication with the patient, patient		X	x		
11	Has teamwork and leadership skills, becomes a role model to colleagues and society. Plans personal professional development,					
10	While practicing their profession independently, they act in accordance with the laws, regulations, legislation and ethical principles related to own duties and responsibilities.					
9	Knows the incidence of diseases in the mouth, teeth and jaws in society, contributes to the prevention and reduction					
8	S/he is aware of own limitations, sets personal learning goals to support own professional development, and directs the patient to the appropriate center when	x				
7	Carries out diagnosis, treatment and follow- up processes by prioritizing evidence-based practice, critical thinking 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 a determined level			x		
5	needs. Knows the legislation on professional legal responsibilities, deontology and ethical principles.			x		
4	Education Program. Knows how to reach the best current scientific evidence, evaluate its reliability and validity in line with personal learning		X		 	
3	At a specified level, knows, comprehends, associates and evaluates the symptoms, findings, diseases, conditions and professional practices in the national core education program of dentistry and Gazi University Faculty of Dentistry Extended		x			
	of oral, dental and jaw diseases, and how they affect the organism.					