

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PHYSIOPATHOLOGY	MKBD1121960	Fall Semester	2+0	2	6
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Third Cycle (Doctorate Degree)				
Course Type	Elective				
Course Coordinator	Prof.Dr. Lütüf HANOĞLU				
Name of Lecturer(s)	Prof.Dr. Lütüf HANOĞLU, Prof.Dr. Cafer MARANGOZ				
Assistant(s)					
Aim	Understanding the physiological mechanisms underlay healthy functioning of the human body and changes in these mechanisms which result in the diseases.				
Course Content	This course contains; Nervous system pathophysiology 1: Pain, Temperature Regulation, Sleep, and Sensory Function,Nervous system pathophysiology 2: Alterations in Cognitive Systems, Cerebral Hemodynamics, and Motor Function,Nervous system pathophysiology 3: Disorders of the Central and Peripheral Nervous Systems and the Neuromuscular Junction,Nervous system pathophysiology 4: Neurobiology of Schizophrenia, Mood Disorders, and Anxiety Disorders,Anemias and hematopoietic system pathophysiology: Alterations of Erythrocyte, Leukocyte, Lymphoid and Hemostatic Function,Immun system pathophysiology: Alterations in Immunity and Inflammation,Cancer Biology,Cardiovascular system pathophysiology 1,Cardiovascular system pathophysiology 2,Respiratory system pathophysiology ,Gastrointestinal system pathophysiology ,Metabolism and endocrine system pathophysiology,Urinary system pathophysiology ,Reproductive system pathophysiology .				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Describes the basic physiological mechanisms related to the nervous system and the pathological changes that occur in these mechanisms.			14, 4, 9	A	
Describes the basic physiological mechanisms related to the cardiovascular system and the pathological changes that occur in these mechanisms			14, 4, 9	A	
Describes the basic physiological mechanisms related to the respiratory system and the pathological changes that occur in these mechanisms			14, 4, 9	A	
Describes the basic physiological mechanisms related to the gastrointestinal system and the pathological changes that occur in these mechanisms			14, 4, 9	A	
Describes the basic physiological mechanisms related to the metabolism and endocrine system and the pathological changes that occur in these mechanisms			14, 4, 9	A	
Describes the basic physiological mechanisms related to the urinary system and the pathological changes that occur in these mechanisms			14, 4, 9	A	
Describes the basic physiological mechanisms related to the reproductive system and the pathological changes that occur in these mechanisms			14, 4, 9	A	
Teaching Methods	14: Self Study Method, 4: Inquiry-Based Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Nervous system pathophysiology 1: Pain, Temperature Regulation, Sleep, and Sensory Function	Course notes are given to the student			
2	Nervous system pathophysiology 2: Alterations in Cognitive Systems, Cerebral Hemodynamics, and Motor Function	Course notes are given to the student			
3	Nervous system pathophysiology 3: Disorders of the Central and Peripheral Nervous Systems and the Neuromuscular Junction	Course notes are given to the student			
4	Nervous system pathophysiology 4: Neurobiology of Schizophrenia, Mood Disorders, and Anxiety Disorders	Course notes are given to the student			
5	Anemias and hematopoietic system pathophysiology: Alterations of Erythrocyte, Leukocyte, Lymphoid and Hemostatic Function	Course notes are given to the student			
6	Immun system pathophysiology: Alterations in Immunity and Inflammation	Course notes are given to the student			
7	Cancer Biology	Course notes are given to the student			
8	Cardiovascular system pathophysiology 1	Course notes are given to the student			
9	Cardiovascular system pathophysiology 2	Course notes are given to the student			
10	Respiratory system pathophysiology	Course notes are given to the student			
11	Gastrointestinal system pathophysiology	Course notes are given to the student			
12	Metabolism and endocrine system pathophysiology	Course notes are given to the student			
13	Urinary system pathophysiology	Course notes are given to the student			
14	Reproductive system pathophysiology	Course notes are given to the student			
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Pathophysiology: the biologic basis for disease in adults and children. Edited by Kathryn L. McCance, Sue E. Huether, 7th Edition, 2014, Elsevier.Course notes