

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**PHYSIOPATHOLOGY**

**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PHYSIOPATHOLOGY	ISM2012713	Yearly	44+0	0	3
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Committee Course				
<b>Course Coordinator</b>	Assoc.Prof. Ali Timuçin ATAYOĞLU				
<b>Name of Lecturer(s)</b>	Assoc.Prof. Ali Timuçin ATAYOĞLU				
<b>Assistant(s)</b>					
<b>Aim</b>	To provide knowledge about the formation mechanisms of common diseases related to the nervous system, cardiovascular and respiratory systems, nutrition and metabolism, endocrine and urogenital systems, with a multidisciplinary perspective.				
<b>Course Content</b>	This course contains; Dementia and Alzheimer's Disease, Parkinsonism and Parkinson's Disease, Epilepsy, Motor Neuron Disease, Stroke and Ataxia, Case Discussion, Arrhythmias, Heart Failure and Valve Heart Disease, Coronary Artery Disease And Atherosclerosis, Pericardial Disease, Pericardial Effusion & Tamponad, Hypertension, Shock, Pulmonary Edema, Pulmonary Embolism, Obstructive Pulmonary Disease and Restrictive Pulmonary Disease, Case Discussion, Nutritional Disorders and Obesity, Carbohydrate Metabolism Disorders, Protein Metabolism Disorders and Lipid Metabolism Disorders, Case Discussion, Hypothalamus and Pituitary Disorders, Thyroid Disorders and Parathyroid Disorders, Surrenal Disorders, Renal Disorders and Urological Disorders, Case Discussion.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
Gains knowledge about the formation mechanisms of common diseases related to the nervous system, cardiovascular and respiratory system, nutrition and metabolism, endocrine and urogenital system, with a multidisciplinary perspective.			10, 13, 16, 19, 2, 37, 4, 5, 9	A, D, E	
<b>Teaching Methods</b>	10: Discussion Method, 13: Case Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 2: Project Based Learning Model, 37: Computer-Internet Supported Instruction, 4: Inquiry-Based Learning, 5: Cooperative Learning, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, D: Oral Exam, E: Homework				
<b>Lecture Schedule</b>					
Sequence	Topics	Preliminary Preparation			
1	Dementia and Alzheimer's Disease	Reading related resource.			
2	Parkinsonism and Parkinson's Disease	Reading related resource.			
3	Epilepsy	Reading related resource.			
4	Motor Neuron Disease	Reading related resource.			
5	Stroke and Ataxia	Reading related resource.			
6	Case Discussion	Reading related resource.			
7	Arrhythmias	Reading related resource.			
8	Heart Failure and Valve Heart Disease	Reading related resource.			
9	Coronary Artery Disease And Atherosclerosis	Reading related resource.			
10	Pericardial Disease, Pericardial Effusion & Tamponad	Reading related resource.			
11	Hypertension, Shock, Pulmonary Edema, Pulmonary Embolism	Reading related resource.			
12	Obstructive Pulmonary Disease and Restrictive Pulmonary Disease	Reading related resource.			
13	Case Discussion	Reading related resource.			
14	Nutritional Disorders and Obesity	Reading related resource.			
15	Carbohydrate Metabolism Disorders	Reading related resource.			
16	Protein Metabolism Disorders and Lipid Metabolism Disorders	Reading related resource.			
17	Case Discussion	Reading related resource.			
18	Hypothalamus and Pituitary Disorders	Reading related resource.			
19	Thyroid Disorders and Parathyroid Disorders	Reading related resource.			
20	Surrenal Disorders	Reading related resource.			
21	Renal Disorders and Urological Disorders	Reading related resource.			
22	Case Discussion	Reading related resource.			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

Resources
1. Pathophysiology of Disease: An Introduction to Clinical Medicine, 8th Edition by Gary D. Hammer, Stephen J. McPhee
2. Pathophysiology: The Biologic Basis for Disease in Adults and Children, 8th Edition by Kathryn L. McCance, MS, PhD and Sue E. Huether, MS, PhD
3. Guyton and Hall Textbook of Medical Physiology, 13th Edition by John E. Hall, PhD