Course Title	Pathophysiology			
Course Code	DES205			
Course Type	Compulsory			
Level	Bachelor of Dentistry			
Year / Semester	2 <sup>nd</sup> year / 3 <sup>rd</sup> semester			
Teacher's Name	ТВА			
ECTS	6 Lectures / week 3 hrs / 13 weeks + exam week 3 weeks +			
Course Purpose and Objectives	The objective of this course is to enhance the students' knowledge regarding the detailed pathophysiological mechanisms of disease. The course aims at allowing students to progress to more advanced medical courses such as Internal Medicine and the various medical specialties. The course is intended to familiarize students with the pathogenesis of diseases of different bodily systems, such as: Clinical Immunology Cardiovascular Respiratory Electrolyte disorders Gastrointestinal diseases - liver, biliary tract and pancreatic diseases Endocrine disease Hematological diseases Kidney and Urinary tract diseases Rheumatology Diabetes and other Metabolic disorders			
Learning Outcomes	<ul> <li>Upon successful completion of this course students should be able to:</li> <li>Describe the major pathophysiological mechanisms of immune, nervous, myoskeletal, Gastrointestinal and endocrine disorders and to recognize the relative symptoms and signs of the specific pathological condition.</li> <li>Describe the pathophysiology mechanisms of cardiorespiratory system and based on this to recognize early signs and symptoms of chronic and acute cardiorespiratory failure.</li> <li>Recognize biochemical (electrolytes) and cell disorders regarding blood tissue sample and kidneys dysfunction.</li> </ul>			

	<ul> <li>systems, in order to be able to archive the appropriate diagnosis in patients with comorbidities.</li> <li>Demonstrate proficieny in history taking</li> <li>Choose appropriate clinical examination, evaluate clinical and laboratory patient's parameters,</li> </ul>		
Prerequisites	None	Co-requisites	None
Course Content	In that regard, students w Pathophysiology Module Clinical Immunolo immune system d Cardiovascular pa disease, infections cardiovascular dis ECG pathologies, pulmonary emboli clinical scenarios interpretation and evaluation Pathophysiology r reports and clinica clinical examinatio Disorders of elect the other systems scenarios, clinical evaluation Disorders of gastr scenarios, clinical evaluation Disorders of Endor Case reports and examination and e Anemia and blood interpretation. Cas laboratory examin Disorders on norm pathophysiological scenarios, clinical Rheumatology an clinical scenarios, and evaluation Neurology disorded and imaging examination examination Neurology disorded and imaging examination examination Neurology disorded and imaging examination examination Neurology disorded and imaging examination examination Case reports examination	will familiarize thems s: gy. Case reports and isorders, clinical exa- athophysiology (struct s). Case reports and ease, clinical exami- arrhythmias, vascul sm, congenital anon- on cardiovascular di- cardiogenic shock, or mechanisms of respi- and evaluation rolytes: causes, labor- and organs. Case r and laboratory exar cointestinal system. Or , laboratory and ima- porine system, effects clinical scenarios, cl evaluation d cell disorders, labor- se reports and clinical ation and evaluation nal kidney function. A l mechanisms. Case and laboratory exar d myoskeletal disord clinical, laboratory and myoskeletal disord clinical, laboratory at ator and evaluation ator and evaluation and laboratory exar d myoskeletal disord clinical, laboratory at ator and evaluation	elves with the following d clinical scenarios of mination and evaluation ctural, coronary artery l clinical scenarios on nation and evaluation ar peripheral disease, nalies. Case reports and sease including ECG clinical examination and fratory disorders. Case ratory system disorders, oratory results, effects on eports and clinical nination and evaluation Case reports and clinical ging examination and s on correlated systems. linical and laboratory ratory exams al scenarios, clinical and Associated Responsible e reports and clinical nination and evaluation d clinical scenarios, clinical and imaging examination d clinical scenarios, clinical
Teaching Methodology	Face-to-face, Lectures, Practical exercises, Quizzes, Case Presentations, simulated patients, Rotations		
Bibliography	Rubin E, Reisner HM. Essential of Rubin's Pathology. New York: Lippincott, Williams and Wilkins, 2008. Damjanov I. Pathophysiology. St. Louis: Elsevier, 2008.		

	Schneider AS, Szanto PA. BRS Pathology (Board Review Series). New York: Lippincott, Williams and Wilkins, 2014.		
Assessment	Final Examination Laboratory / Clinical Work / Oral presentations Participation and attendance Total	60% 30% 10% 100%	
Language	English		