

Course Title	Principles of Internal Medicine				
Course Code	DES235				
Course Type	Compulsory				
Level	Bachelor of Dentistry				
Year / Semester	2 nd year / 4 th semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	4 hrs / 13 weeks + exam week	Laboratories / week	2 hrs / 13 weeks
Course Purpose and Objectives	<p>The objective of this course is to enhance the students' knowledge regarding the pathology of each organ of the human body, as well as organs linked pathology network, regarding common and uncommon pathophysiological interactions and mechanisms between the different systems. The course aims at allowing students to receive an optimum and effective medical history, to perform complete and successful clinical examination and evaluating lab results and imaging tests. The course is intended to familiarize students with clinical investigation and diagnosis of different bodily systems pathologies, as following:</p> <p>Different types of malignancies Skin disorders Ophthalmology disorders Pathologies of the Respiratory system Pathologies of the cardiovascular system Hematologic diseases Reproductive system Pathologies Pathologies of Immune systems Gastrointestinal diseases - liver, biliary tract and pancreatic diseases Endocrine disease Pathologies Kidney and Urinary tract diseases Acid Base Balance and Electrolyte disorders Myoskeletal disorders Neurological disorders Psychiatric disorders Infections</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> Describe the major pathophysiological and pathological mechanisms of immune, nervous, myoskeletal, gastrointestinal and endocrine disorders and to recognize the relative symptoms 				

	<p>and signs of the specific pathological conditions.</p> <ul style="list-style-type: none"> • Recognize the pathophysiology and pathology mechanisms of cardiorespiratory system and based on this to recognize early signs and symptoms of chronic and acute cardiorespiratory failure. • Recognize biochemical (electrolytes) and cell disorders regarding blood tissue sample and kidneys dysfunction. • Combine common pathologies between the different systems, in order to be able to archive the appropriate diagnosis in patients with comorbidities. 		
Prerequisites	None	Co-requisites	None
Course Content	<p>In that regard, students will familiarize themselves with the following Modules:</p> <ul style="list-style-type: none"> • Immunopathology. Case reports and clinical scenarios of immune system disorders, clinical examination, blood examination and imaging tests evaluation. • Cardiovascular pathology (Risk factors, structural, coronary artery disease, infections). Case reports and clinical scenarios on cardiovascular disease, clinical examination, blood examination and imaging tests evaluation. • ECG pathologies, arrhythmias, vascular peripheral disease, pulmonary embolism, congenital anomalies. Case reports and clinical scenarios on cardiovascular disease including ECG interpretation and cardiogenic shock, clinical-imaging test examination and evaluation. • Respiratory disorders. Case reports and clinical scenarios of respiratory system disorders, clinical examination, blood examination, blood gas and imaging tests (CT-X-rays) evaluation. • Disorders of electrolytes: causes, laboratory results, effects on the other systems and organs. Case reports and clinical scenarios, clinical, imaging and laboratory, examination and evaluation. • Disorders of gastrointestinal system. Case reports and clinical scenarios, clinical, laboratory and imaging examination and evaluation. • Disorders of Endocrine system, effects on correlated systems. Case reports and clinical scenarios, clinical, imaging and laboratory examination and evaluation. • Anemia and blood cell disorders, laboratory exams interpretation. Case reports, clinical scenarios, clinical, and laboratory, imaging examination and evaluation. • Disorders on normal kidney function. Associated Responsible pathophysiological mechanisms. Case reports, clinical scenarios, clinical, imaging, and laboratory, imaging examination and evaluation. 		

	<ul style="list-style-type: none"> • Rheumatology and myoskeletal disorders, case reports and clinical scenarios, clinical, laboratory and imaging examination and evaluation • Neurology disorders, case reports and clinical scenarios, clinical and imaging examination and evaluation Review 								
Teaching Methodology	Face-to-face, Lectures, Practical exercises, Quizzes, Case Presentations, simulated patients, Rotations								
Bibliography	<p>Papadakis M, McPhee S, Rabow M. Current Medical Diagnosis and Treatment, New York: McGraw-Hill, 2020.</p> <p>Schneider AS, Szanto PA. BRS Pathology (Board Review Series). New York: Lippincot, Williams and Wilkins, 2013.</p> <p>Innes JA. Davidson's Essentials of Medicine. London: Churchill Livingstone, 2015.</p>								
Assessment	<table border="1"> <tr> <td>Final Examination</td> <td>60%</td> </tr> <tr> <td>Lab Report / Oral presentations</td> <td>30%</td> </tr> <tr> <td>Participation and attendance</td> <td>10%</td> </tr> <tr> <td>Total</td> <td>100%</td> </tr> </table>	Final Examination	60%	Lab Report / Oral presentations	30%	Participation and attendance	10%	Total	100%
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