ourse Title	Physiology II				
Course Code	BMS212				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	2nd Year / 3rd Semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	2 Hours	Laboratories / week	1 Hour
Course Purpose and Objectives	The systematic presentation of all aspects of human physiology including the description of basic cell function and communication mechanisms involved in normal physiology of the human body. Successful completion of this course will qualify students for better understanding of the health problems associated with physical function, as well as the notion behind therapeutic target selection for various diseases.				
Learning Outcomes	Upon successful completion of this course the students will be able to: • describe the physiology of the human body • explain the function of each one of the organ systems of the human body • explain the mechanism used by each organ system of the human body to achieve its function • describe how each organ system of the human body is interconnected to the others and how each one affects the harmonic function of the others • document how a potential malfunction of an organ or organ system of the human body affects the functioning of this system and that of other systems in the human body				
Prerequisites	BMS123	Co-requisites	BMS211		
Course Content	General human physiology Normal heart function, blood circulation and blood pressure Respiratory function Acid-base balance Exchange of fluid in tissues Metabolism, hormones, thermoregulation Defense mechanisms of the human body Renal function				

<table>
<tr><td></td><td>Function of the gastrointestinal tract

Laboratory exercises:

Using audiovisual means, students will be trained in anatomy and present projects in relation to the content of the course in order to fully comprehend the material taught. Additionally, students will be able to search for relevant information by accessing libraries and the internet.</td></tr>
<tr><td>Teaching Methodology</td><td>Face- to- face</td></tr>
<tr><td>Bibliography</td><td>Guyton and Hall Textbook of Medical Physiology:; John E. Hall; 12th; 978-1416045748; Saunders; 2010

Tortora, G.J. Principles of Anatomy and physiology

Medical Physiology: A Cellular and Molecular Approach; Boron,F.W. / Boulpaep L.E; 2nd; 978-1416031154; Saunders; 2008

Human Physiology: The Mechanisms of Body Function; Vander, Arthur; 8th; 978-0071183826; McGRaw-Hill; 2001</td></tr>
<tr><td>Assessment</td><td><table><tr><td>Mid – Term Examination</td><td>30%</td></tr><tr><td>Final Examination</td><td>40%</td></tr><tr><td>Assignments/Lab</td><td>20%</td></tr><tr><td>Class Participation</td><td>10%</td></tr><tr><td></td><td>100%</td></tr></table></td></tr>
<tr><td>Language</td><td>English</td></tr>
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