

Course Title	Anatomy I				
Course Code	BMS122				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	1 <sup>st</sup> Year / 2 <sup>nd</sup> Semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	2 Hours	Laboratories / week	1 Hour
Course Purpose and Objectives	<p>The objective of the course is to familiarize students with:</p> <ul style="list-style-type: none"> <li>• The fundamentals of anatomy and anatomical terminology</li> <li>• The morphology and structure of the musculoskeletal system, and its functions.</li> <li>• The anatomy of Central and Peripheral Nervous system</li> </ul>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the fundamentals of the methods that support the study of anatomy.</li> <li>• Recall the terminology and use accurately the International Anatomical Nomenclature for naming the various anatomical structures of the human body.</li> <li>• Identify and describe the morphology of the bones, joints, muscles, nervous and vascular components of the musculoskeletal system.</li> <li>• Relate the structural characteristics of the anatomical elements of the musculoskeletal system to their function.</li> </ul>				
Prerequisites	None	Co-requisites	BMS123		
Course Content	<ul style="list-style-type: none"> <li>• Fundamentals of Anatomy</li> <li>• Basic principles of topographic anatomy (anatomical terms)</li> <li>• Basic concepts of cytology and histology</li> <li>• International Anatomical Terminology</li> <li>• Morphological Characteristics of the Musculoskeletal Elements</li> <li>• Structural Characteristics of the Joints and their Function</li> <li>• Vascular (blood vessels and lymphatic system) and Nervous Tissue Elements of the Musculoskeletal System</li> <li>• Structural Characteristics of muscles and ligaments and their relationship with joints</li> </ul>				

	<ul style="list-style-type: none"> <li>• Anatomy of the head, neck, spine and limbs</li> <li>• Movement and its relationship to the structure and function of the Musculoskeletal System</li>   <li>• Central and peripheral nervous system (neural cells, brain, spinal cord), meninges, spinal cord.</li> <li>• Pain, pyramidal and extrapyramidal system</li> <li>• Autonomic nervous system</li> </ul> <p style="text-align: center;"><b>Laboratory exercises:</b></p> <p>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.</p>
Teaching Methodology	Face- to- face
Bibliography	<p>Gray's Anatomy; Drake, Richard L./Vogl, A. Wayne/Mitchell, Adam W.; 2nd; 978-0-443-06952-9; Elsevier; 2010</p> <p>Anatomy: Development, Function, Clinical Correlations; Larsen, W.J.; 978-0721646466; Saunders; 2002</p> <p>Essential Clinical Anatomy; Moore Keith; 4th; 978-1609131128; Lippincott, Williams &amp; Wilkins; 2010</p> <p>Clinical Neuroanatomy; Snell Richard; 7th; 978-0781794275; Lippincott Williams and Wilkins; 2009</p> <p>Atlas of Human Anatomy: with Student Consult Access (Netter Basic Science); Frank H. Netter; 5th; 978-1416059516; Saunders; 2010</p> <p>Human Embryology; Larsen, W.; 3rd; 978-0443065835; Churchill Livingstone; 2001</p> <p>The Developing Human: Clinically Oriented Embryology; Moore, Keith L. / Persaud, T.V.; 9th; 978-1437720020; Saunders; 2012</p> <p><b>ADDITIONAL RECOMMENDED TEXTBOOKS:</b></p> <p>Neuroanatomy: An Illustrated Colour Text; Alan R. Crossman / David Neary ; 4th; 978-0702030864; Churchill Livingstone; 2010</p> <p>Clinical Anatomy By Regions; Snell, Richard; 9th; 978-1451110326; Wolters Kluwer; 2011</p> <p>Atlas of Human Anatomy, Professional Edition; Netter, Frank H.; 5th; 978-1437709704; Saunders; 2010</p>

	<p>Atlas and Textbook of Human Anatomy: Bones, Ligaments, Joints, and Muscles; Johannes Sobotta; 978-1246570199; 2010</p> <p>Grant's Atlas of Anatomy; Anne M. R, Agur; 978-1608315130; Lippincott, Williams &amp; Wilkins; 2009</p> <p>Clinical Neuroanatomy and Neuroscience; Fitzgerald, T.M./Gruener Gregory; 6th; 978-0702037382; Saunders; 2011</p> <p>Langmans Medical Embryology; Sadler, Thomas; 12th; 978-1451144611; Wolters Kluwer; 2011</p>										
Assessment	<table border="1"> <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>	Mid – Term Examination	30%	Final Examination	40%	Assignments/Lab	20%	Class Participation	10%		100%
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Language	English										