

Course Title	Anatomy I				
Course Code	MD125				
Course Type	Compulsory				
Level	1 st Cycle (MD)				
Year / Semester	1 st year/2 nd semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	2 hrs / 14 weeks	Lab hours / week	4 hrs / 14 weeks
Course Purpose and Objectives	<p>Purpose:</p> <p>The study of gross anatomy is the foundation for much, if not all, of the medical studies to follow. The science and practice of medicine rely on understanding the individual as an integrated whole. Gross anatomy is the study of structures, their relationships and their functions. Purpose of Anatomy I is to familiarize students with structure & function of Musculoskeletal system, with emphasis on the head, neck, spine and limbs, and motor function in relation to the structure of the musculoskeletal system.</p> <p>The course is designed to integrate a 3-dimensional visualization of structures with function (physiology and biochemistry), microstructure (histology), and development (embryology), and enable students to use that knowledge to solve relevant clinical problems. All lectures, laboratories, group discussions, and clinical problems emphasize integrations of basic science concepts with clinical significance and applications.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to describe:</p> <ul style="list-style-type: none"> • The fundamentals of anatomy and anatomical terminology • The morphology and structure of the musculoskeletal system, and its functions in a region – specific manner • Understand the structural characteristics of the joints and their functions • Recognized the vascular (blood vessel and lymphatic network) and nervous tissue elements related to the musculoskeletal system • Understand the three-dimensional organization of the body, organs and organ systems and how it relates to normal function • Recognize the anatomy beneath the skin surface, for the purpose of palpating and locating anatomical structures used in clinical practice • Introduction into clinical and radiologic correlations • Introduction into specialized anatomic objectives (anatomic variations, clinical anatomy, surgical anatomy) 				

Prerequisites	None	Co-requisites	None
Course Content	<ul style="list-style-type: none"> • Fundamentals of Anatomy/ Anatomic terminology • Movement and its relationship to the structure and function of the Musculoskeletal System 		
	<ul style="list-style-type: none"> • General organization of various body systems and their interactions • Detailed description of the human skeleton • Detailed description of the human Musculoskeletal system • Detailed description of peripheral circulatory and nervous system • Detailed description of the peripheral lymphatic system • Regional anatomy of the head and neck • Regional anatomy of thoracic, abdominal and pelvic wall • Regional anatomy of upper and lower limb • Clinical correlation • Radiologic correlations 		
Teaching Methodology	Lectures, Face- to- Face, Team-Based Learning, Computer-Assisted learning (CAL), Problem Based Learning, Small Group Discussions, Clinical Association Lectures, Tutorials and individual/peer reflection		
Bibliography	<p>Gray's Anatomy; Ed. Susan Standring.; ISBN: 9780702052309; Elsevier;</p> <p>Atlas of Human Anatomy, Netter, Frank H.; 978-1437709704; Saunders;</p> <p>Atlas and Textbook of Human Anatomy: Bones, Ligaments, Joints, and Muscles; Johannes Sobotta; 978-1246570199;</p> <p>Essential Clinical Anatomy; Moore Keith; 5th; 978-1496369659Lippincott, Williams & Wilkins;</p> <p>Anatomy: Development, Function, Clinical Correlations; Larsen, W.J.; 978-0721646466; Saunders;</p>		
Assessment	Examinations:	70%	
	Assignment/Lab	20%	
	Class Participation:	10%	
Language	English		