Basrah Medical college
Department of Human Anatomy
Syllabus and learning objective /Anatomy 1 /semester 1/First year2025-2026

First semester / first year	
Titles	**Learning objective**
Introduction	**(6 lectures)**
Why we study anatomy **Branches of anatomy** **Subdivisions of anatomy** **Standard anatomical position**	**1. Define anatomy** **2. How to approach to anatomy** **2. List the Branches of anatomy** **3. Know the subdivision of gross anatomy** **4.Define standard anatomical position**
Terminology	
Terms of movement **Terms of position** **Body planes**	**Describe** **1.Describe Terms of movement** **2.Describe Terms of position** **3.Define Planes of the body**
Skin& fascia	
Function of skin **Layers of skin** **Cleavage lines** **Skin appendages** **Fascia (superficial and deep)**	**1.Describe layers of skin.** **2. Enlist the functions of skin.** **3. Clinical point regarding the importance of cleavage lines and relate this to applied anatomy (surgical incisions)** **4. Define appendages of skin.** **5. Define fascia.** **6. Describe superficial and deep fascia.**
Muscles ,Tendons and ligament	
Types of muscles **Function of skeletal muscle** **Classification** **Nomenclature of muscle** **Organization of muscle** **Tendon** **Ligament**	**1.Define the muscle and its types.** **2.List the function of the muscles.** **3.Describe the skeletal muscle and its classification.** **4.know the Nomenclature and organization of skeletal muscle.** **5.Define ligament and tendon.**
Bones and cartilages	
Bone function **Types of bones** **Surface marking of bones** **Cartilages** **Function of cartilages** **Types of cartilages**	**1.Defin the bone and its function** **2.Knowthe types of the bone and give examples for each type** **3.Describe the surface marking of the bone.** **4.Define the cartilages and its function** **5.Know the types of the cartilages and give example for each type** **6. Clinical note**

The joint	
Functional Structural classification **Structural classification** **Fibrous joint** **Cartilaginous joint** **Synovial joint**	**1.Definition of joint** **2.Define Structural classification** **3.know the types of joint according structural classification and give examples** **4.Define functional classification** **5.know the types of joint according functional classification and give examples** **6.Define synovial joint and list its features** **7.Describe the features of each type of synovial joint and give example for each type**
Pectoral region	**(5 Lectures)**
Osteology **Surface anatomy** **Sensory nerve supply** **Deep fascia (pectoral &clavipectoral fascia)**	**1.List the important landmarks of pectoral region** **2.Follow deep fascia of the pectoral region and its clinical importance** **3. Describe the cutaneous innervation**
Pectoral region	
Muscles, origin ,insertion ,action ,blood and nerve supply **Breast ,blood supply and lymph drainage**	**1.List the muscles of pectoral region and their origin ,insertion ,action ,blood and nerve supply** **2.Describe the breast and its extension blood supply and lymphatic drainage** **3. Clinical note regarding cancer and breast lymph drainage**
Axilla	
Boundaries of axilla **Axillary artery ,parts and branches** **Axillary vein** **Axillary lymph nodes** **Brachial plexus**	**1.Define the axilla** **2.Describe its boundaries and walls** **3. Describe the course , parts and branches of axillary artery** **4.Define axillary vein and its tributaries** **5.List the groups of axillary lymph nodes and its location** **6. Brachial plexus and its origin, organization(Roots, trunks, divisions ,cords and branches)** **7.Clinical notes regarding brachial plexus injury**
Muscles act on shoulder joint	
Groups of muscles acting on shoulder **Superficial group** **Deep extrinsic group** **Intrinsic group** **Rotator cuff muscles**	**1.List the Superficial group (muscles ,origin ,insertion action ,blood and nerve supply** **2. List Deep extrinsic group (muscles ,origin ,insertion action ,blood and nerve supply** **3. 1.List the Intrinsic group (muscles ,origin ,insertion action ,blood and nerve supply** **4. Define rotator cuff muscle and know its importance**

Shoulder Region	
Glenohumeral joint **Sternoclavicular joint** **Acromioclavicular joint** **Anastomoses around shoulder**	**1.Describe the shoulder joint and other related joints (Sternoclavicular joint Acromioclavicular joint) and their ligaments** **2.Describe the movement of shoulder** **3.Describe the anastomoses around the shoulder and their clinical importance** **5. Clinical note regarding stability of shoulder joint and dislocation**
Anatomy of the arm	**(3 Lectures)**
Osteology of arm **Surface anatomy** **Cutaneous supply** **Muscles of anterior compartment**	**1.Describe the bone of arm (Humerus)** **2.Describe the surface anatomy of arm** **3.Follow the main sensory innervation ,vessels** **4.Describe the lymphatic drainage** **5.Identify the muscles anterior fascial compartment of arm(origin ,insertion ,blood and nerve supply and action)** **6.Clinical notes regarding fracture medial epicondyle and surgical neck of humerus .**
Anatomy of arm	
Muscles of posterior compartment **Cubital fossa and contents**	**1.Identify the muscles of posterior fascial compartment of arm** **2.Describe the cubital fossa, its boundaries ,contents** **3.Clinical point regarding the Identification the site of taking the pulse of the brachial artery**
Anatomy of arm	
Elbow joint **Proximal radioulnar joint**	**1.Describe the articulation of elbow joint** **2.Describe the movement of elbow joint** **3.Describe the proximal radioulnar joint and its movement** **4.Apply some clinical condition related to elbow joint**
Anatomy of forearm	**(4 Lectures)**
Osteology of forearm **Surface anatomy of forearm** **Superficial and deep fascia** **Anterior compartment of forearm (Supeficial and intermediate muscles)**	**1.Describe the bones of forearm and joints that form the forearm** **2. Identify the skin ,fascia, superficial veins, sensory nerve supply and lymphatics** **3.List the fascial compartment of forearm.** **4.Describe the interosseous membrane of the forearm and clarify its functions.** **5. Identify the superficial layer of anterior compartment, their muscles ,vessels ,lymphatics and nerve supply** **6. Identify the intermediate layer of anterior compartment of forearm** **7.Describe the surface anatomy of forearm**
Forearm Anatomy	
Anterior compartment of forearm (deep muscles)	

Radial artery **Ulnar artery**	**1.identify the anterior deep compartment of the forearm .their muscles ,vessels ,lymphatics and nerve supply.** **2. Describe the course and branches of radial artery in anterior compartment of forearm .** **3. Describe the course and branches of ulnar artery in anterior compartment of forearm .** **4. Locate the tendons on the palm of your hand and their significance as land mark.**
Forearm Anatomy	
Ulnar nerve **Median nerve** **Posterior compartment of forearm(Superficial muscles)**	**1.Describe the course and branches of ulnar, median nerve in anterior compartment of forearm .** **2.Identify lateral part of posterior compartment of forearm** **3.Identify posterior superficial compartment of forearm and its muscles and vessels**
Forearm Anatomy	
Posterior compartment (deep muscles) **Radial nerve**	**1.Identify posterior deep compartment of forearm and its muscles** **2.Describe the course and branches of radial nerve in posterior compartment of forearm .** **3.Describe course and branches arteries of posterior fascial compartment and anterior and posterior interosseous arteries** **4. Clinical note regarding nerve injury**
Hand anatomy	**(3 Lectures)**
Function of hand **Bones of hand** **Anatomical snuff box** **Joints of hand** **Skin of hand** **Sensory innervation**	**1.Describe the hand as functional unit** **2. Identify the bones of the hand (metacarpal and phalanges)** **3.Describe the joints of the hand and fingers)** **4. Describe the skin of the palm of hand and skin creases** **5. Describe the sensory innervation of palm of hand,** **6. Clinical notes regarding anatomical snuff box**
Hand Anatomy	
Deep fascia of palm **Flexor retinaculum** **Carpal tunnel** **Palmar aponeurosis** **Dorsum of hand** **Extensor retinaculum**	**1.Describe the deep fascia of palm** **2.Describe the flexor retinaculum and its attachments** **3.Identify the carpal tunnel and the structure related to it.** **4. Describe palmar aponeurosis and its importance** **5.Descibe the dorsum of the hand ,sensory innervation** **6.Describe extensor retinaculum and the structures pass beneath it .** **7 clinical notes regarding carpal tunnel syndrome**
Thenar and hypothenar muscles	
Small muscles of hand	

Short muscles of thumb **Short muscle of little finger** **Palmar arterial arch (Deep and superficial)** **Blood supply of dorsum of hand** **Fingers pulp space**	**1.Describe the small muscles of hand (lumbricalis and interosseous muscle** **And Identify the origin ,insertion ,action ,blood and nerve supply of these muscles** **2.Describe the short muscle of thumb and identify the origin ,insertion ,action ,blood and nerve supply of these muscles.** **3. Describe the short muscle of little finger and identify the origin ,insertion ,action ,blood and nerve supply of these muscles** **4.Describe the deep and superficial palmar arterial arch** **5. Describe the blood supply of the dorsum** **6. 7 Clinical note regarding finger pulp space**