**Course Description Form**

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| 1. Course Name:
 |
| Limbs anatomy |
| 1. Course Code:
 |
| **WBM-22-06** |
| 1. Semester / Year: 2024
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| Semester |
| 1. Description Preparation Date:
 |
| 2024-03-19 |
| 1. Available Attendance Forms:
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| presence in the classroom |
| 1. Number of Credit Hours (Total) / Number of Units (Total)
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| 60 Hours / 3Units |
| 1. Course administrator's name (mention all, if more than one name)
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| Name: Ali Kareem MohsinEmail: Ali.k@uowa.ed.iq |
| 1. Course Objectives
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| **Course Objectives** | -The course is designed to provide students with clear and detailed concepts of general anatomy, especially the anatomy of the limbs.* -Detailed anatomy of the upper and lower limbs
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| 1. Teaching and Learning Strategies
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| **Strategy** | •The objectives of this course include teaching the student’s general anatomy, enabling them to distinguish between various anatomical structures and their functions.•At the end of this course, the student is expected to have general knowledge in human anatomy, distinguish the various structures, and understand the blood & nerve supply and the function of each structure. |
| 1. Course Structure
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| **Week** | **Hours**  | **Required Learning Outcomes**  | **Unit or subject name**  | **Learning method**  | **Evaluation method**  |
| 1 | 3 | Introduction to Anatomy | - Definition of Anatomy- Approaches to studying anatomy: systemic anatomy, regional anatomy and clinical anatomyDescriptive anatomic terms -- Terms related to position- Terms related to movement | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly exams |
| 2+3 | 3 | Basic structures1Basic structures2 | Overview of Skin, Fasciae, Muscle, Joints, Ligaments, Bursae, Synovial Sheath, Synovial joints, accessory of Synovial joints: cartilages, fat pads, menisci, ligaments, tendons, and bursaeOverview of Blood Vessels, Lymphatic System, Nervous System, Mucous Membranes, Serous Membranes, Bone, Cartilage, Effects of Sex, Race, and Age on Structure | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly exams |
| 4 | 3 | Radiology | Definition of X-ray radiography, Ultrasound, Computed Tomography (CT), nuclear medicine including Positron Emission Tomography (PET), Fluoroscopy, Magnetic Resonance Imaging (MRI) | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly exams |
| 5+6 | 3 | Bones of the upper limb | Overview of Bones of the upper limb: The appendicular skeleton, borders of upper limb, bones of the shoulder girdle, the clavicle, function of the clavicle, scapula, function of the scapula, Spine of the scapula, Bones of the upper limb: humerus, radius, ulna and Bones of the Wrist and Hand | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly exams |
| 7+8 | 3 | Upper limbs Muscle | Overview of Upper limbs Muscles:-Muscles of the Pectoral Region; Pectoralis major, Pectoralis minor and Subclavius.-Posterior Axio-Appendicular Muscles: Superficial; Trapezius & Latissimus Dorsi muscles. Deep; Levator Scapulae, Rhomoid minor & Rhomboid major.- Scapulohumeral Muscles; Deltoid, Supraspinatus, Infraspinatus, Teres Major, Teres Minor, Subscapularis.-Rotator Cuff; The Scapulohumeral muscles, Supraspinatus, Infraspinatus, Teres minor, and Subscapularis. | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly |
| 9+10 | 3 | -Axilla-Brachial Plexus | -Overview of Axilla: Boundaries, walls of axilla, axillary artery, branches of axillary artery, relation of axillary artery, axillary vein, axillary lymph nodes-Overview of Brachial Plexus; roots, trunks, divisions, cords and branches, Clinical Correlations, Injuries of Brachial Plexus | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly |
| 11 | 3 | The Lower Limb | - Overview of the lower limb: borders of lower limb, Bones of the lower limb; Hip bone, Femur, Patella, Tibia, Fibula, Bones of foot; Tarsus, Metatarsus and phalanges. | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly |
| 12+13 | 3 | The pelvic girdle ,Hip bones:Iliac bone, Ischeal bone,. Pubic bone ,The acetabulum ,The obturator foramen. | Overview of the lower limb: borders of lower limb, Bones of the lower limb; Hip bone, Femur, Patella, Tibia, Fibula, Bones of foot; Tarsus, Metatarsus and phalanges. | Lectures presented in PDF format+Lab +Anatomy 3DAltas | Daily exams + homework assignments + monthly |
| 14+15 | 3 | -The femoral region (thigh)-The Gluteal Region-The Foot | -Overview of the femoral region (thigh): Skin of the Thigh, superficial fascia of the Thigh, Deep Fascia of the Thigh, The Front and Medial Aspects of the Thigh, Skin of the Thigh.The Leg: muscles of the leg, Arteries of the leg, Nerves of the legOverview of the Gluteal Region: The Skin of the Buttock, Fascia of the Buttock, Muscles of the Gluteal Region, Nerves of the Gluteal Region, Arteries of the Gluteal Region, Nerves of the Gluteal- Overview of the Foot: The layers of the foot and arches, nerve, blood supplyThe Joints of lower limb: Hip joint, Knee joint, Tibio-fibular joints, Ankle joint, Retinacula of the ankle region, Intertarsal joints, Ligaments of the foot | Lectures presented in PDF format+Lab +anatomy 3DAltas  | Daily exams + homework assignments + monthly |
| 1. Course Evaluation
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|  Daily exams with practical and scientific questions. ‏ Participation scores for difficult competition questions among students Establishing grades for environmental duties and the reports assigned to them Semester exams for the curriculum, in addition to the mid-year exam and final exam |
| 1. Learning and Teaching Resources
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| Required textbooks (curricular books, if any) | Moore - Clinically Oriented Anatomy (7th Edition)Atlas of Human Anatomy by Frank H. Netter Netter's Clinical Anatomy (9th Edition)Snell Clinical Anatomy by Regions (9th Edition) |
| Main references (sources) | College library to obtain additional sources for the academic curricula• Check scientific websites to see recent developments in the subject |
| Recommended books and references (scientific journals, reports...) | Moore - Clinically Oriented Anatomy (7th Edition)Atlas of Human Anatomy by Frank H. Netter Netter's Clinical Anatomy (9th Edition)Snell Clinical Anatomy by Regions (9th Edition)Human Anatomy by Frederic H. Martini, Robert B. Tallitsch, Judi L. Nath Gray's Basic Anatomy 2nd Edition |