**Course Description Form**

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| 1. Course Name: | | |
| **HUMAN ANATOMY** | | |
| 1. Course Code: | | |
| 108 CIHa | | |
| 1. Semester / Year: | | |
| 2023 / 2024 | | |
| 1. Description Preparation Date: | | |
| 25 / 2 / 2024 | | |
| 1. Available Attendance Forms: | | |
| Semester system | | |
| 1. Number of Credit Hours (Total) / Number of Units (Total) | | |
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| 1. Course administrator's name (mention all, if more than one name) | | |
| Name: *Ass.Prof. Dr. Ajwad Awad Assomaidaee*  Email: [ajwad.mohammed@copharm.uobaghdad.edu.iq](mailto:ajwad.mohammed@copharm.uobaghdad.edu.iq)  Name: Dr. Safa thaer Flayyih  Email: [safa.t@copharm.uobaghdad.edu.iq](mailto:safa.t@copharm.uobaghdad.edu.iq) | | |
| 1. Course Objectives | | |
| **Course Objectives** | | **This course is designed to provide students a necessary knowledge about: The student will be able to identify the key concepts of the structure and function of human anatomy. As you participate in this course, you will achieve the following learning goals: • Learn the names and functions of anatomical structures. • Learn anatomical structures and concepts that will help you succeed in your college program. • Understand the ‘big picture’ of how anatomic systems work together. • Understand and apply the clinical relevance of anatomic structure. • Express an understanding of the basic regulatory process involved in physiological processes. • Express an understanding of how abnormal anatomy and physiology can lead to disease.-Anatomy focuses on the description of form, or how body structures at different levels look. Gross anatomy studies macroscopic structures (for example, the body, organs, and organ systems.**  **-Most people working in healthcare have had training in gross anatomy i.e Paramedics, pharmacists , physical therapists, occupational therapists, medical doctors, prosthetists, and biological scientists all need a knowledge of anatomy.**  **- Students will investigate the relationships between normal structure and function in human cells, tissues and organs. Human Anatomy course content is divided into six modules: Cells; Tissues; Bone, Joints and Muscle; Nervous System; Endocrine System; and Reproduction. As well as introducing students to content, emphasis is placed on developing skills in research, critical analysis and communication of scientific information relevant to the study of humans.** |
| 1. Teaching and Learning Strategies | | |
| **Strategy** | **Lectures.**  **Discussions.**  **Electronic classes.**  **Research work** | |



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| **Theoretical exam and classroom activities** | **Lectures, discussions and reports** |  | **Lecture 1 :study general introduction about human anatomy science ,types of anatomy study (regional ,systemic) ,difference between histology and anatomy, directional terms ,body cavities ,body quadrants** | **1** | 1 |
| **Theoretical exam and classroom activities** | **Lectures, discussions and reports** |  | **Lecture 2:study the structure and function of skeletal system ,study axial skeletal system ,the function of this system ,major bones of this system ,facial bones ,skull bones ,vertebral column bones ,study the structure of vertebrae** | **1** | 2 |
| **Theoretical exam and classroom activities** | **Lectures, discussions and reports** |  | **Lecture 3: study structure and function of appendicular skeletal system and the major bones ,the shoulder girdle (scapula and clavicle bones) ,upper arm bones ,pelvic girdle bones and the differences between man and woman girdle ,palm bones , lower extremities bone (femur ,tibia and fibula bones ) ,ankle bones (** | **1** | 3 |
|  |  |  | **Lecture 4:study the structure and function of joints ,types of joints (movable and non‒movable),components of joints ,some types of synovial joints (shoulder joint ,ankle joint ,pelvic joint)** | **1** | 4 |
|  |  |  | **Lecture 5: study the muscles ,facial muscle ,major function of muscles ,muscle and facial expression ,major neck muscles and their function ,** | **1** | 5 |
|  |  |  | **Lecture 6: study the appendicular muscles ,abdominal muscles ,upper extremities muscles ,lower exterimities muscles** | **1** | 6 |
|  |  |  | **Lecture 7: study respiration system ,respiration process ,parts of respiratory system (nose ,pharynx , larynx ,trachea ,bronchial tree , gas exchange ,muscle of respiration (diaphragm ,intercostalis muscle) inhalation and exhalation process** | **1** | 7 |
|  |  |  | **Lecture 8: study nutrition and process of digestion :,process of digestion stages of digestion ,teeth and their classification ,digestive tract (from mouth ,pharynx ,esophagus ,stomach ,small intestine ,large intestine) accessory glands of digestive system (liver ,gall bladder ,and pancreas) ,salivary glands** | **1** | 8 |
|  |  |  | **Lecture 9: study nervous system ,central and peripheral nervous system ,brain and its part (cerebellum ,cerebrum ,hypothalamus ) ,spinal cord and regions of spinal nerves ,peripheral nerves and their functions and types ,Anatomic nervous system (sympathetic and parasympathetic) ,neurotransmitters** | **1** | 9 |
|  |  |  | **Lecture 10 :study the circulatory system ,the heart and its chambers , left and right atrium ,left and right ventricle ,valves of heart** | **1** | 10 |
|  |  |  | **Lecture 11.study the circulatory system ,the arteries ,the veins ,blood capillaries ,the layers of blood & lymphatic vessels** | **1** | 11 |
|  |  |  | **Lecture 12:study the urinary system structures ,the kidney ,nephrons ,glomeruli ,afferent and efferent blood vessels ,urinary bladder ,urethra ,ureter ,urine concentration and dilution .** | **1** | 12 |
|  |  |  | **Lecture 13: study endocrine system ,types of glands ,location of each one ,type of secretion ,structures within each gland .** | **1** | 13 |
|  |  |  | **Lecture 13: study male & femal reproductive system** | **1** | 14 |
|  |  |  | **Lecture 14:** **Integumentary system**  **-Skin layers -Epidermal appendages** | **1** | 15 |

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| 1. Course Evaluation | |
| Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc | |
| 1. Learning and Teaching Resources | |
| Required textbooks (curricular books, if any) | **Human anatomy** |
| Main references (sources) | **(Core Concepts in Anatomy)** |
| Recommended books and references (scientific journals, reports...) | 1- Anatomy and Physiology for Healthcare by Paul Marshall; Beverly Gallacher; Jim Jolly; Shupikai Rinomhota  2- Atlas of Human Anatomy by Frank H. Netter |
| Electronic References, Websites | Understanding anatomy & physiology [electronic resource] : a visual, auditory, interactive approach |