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| **Program Skills Outline** | | | | | | | | | | | | | | | |
|  | | | | **Required program Learning outcomes** | | | | | | | | | | | |
| **Year/Level** | **Course Code** | **Course Name** | **Basic or optional** | **Knowledge** | | | | **Skills** | | | | **Ethics** | | | |
| **A1** | **A2** | **A3** | **A4** | **B1** | **B2** | **B3** | **B4** | **C1** | **C2** | **C3** | **C4** |
| **First year /first semester** | **ANT 103** | **Anatomy for Nursing** | **Basic** | **√** | **√** | **√** | **√** | **√** | **√** | **√** | **√** | **√** | **√** | **√** | **√** |
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* **Please tick the boxes corresponding to the individual program learning outcomes under evaluation.**

**Course Description Form**

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| 1. Course Name: **Anatomy for Nursing** | | | | | | | | |
|  | | | | | | | | |
| 1. Course Code: **ANT 103** | | | | | | | | |
|  | | | | | | | | |
| 1. Semester / Year: **First year /first semester** | | | | | | | | |
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| 1. Description Preparation Date: 1/10/2024 | | | | | | | | |
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| 1. Available Attendance Forms: Recording the student’s attendance in orientation lectures and practical laboratories | | | | | | | | |
|  | | | | | | | | |
| 1. Number of Credit Hours (Total) / Number of Units (Total) 45 hrs theory+30 hrs practical the total credit hours =75 hrs | | | | | | | | |
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| 1. Course administrator's name (mention all, if more than one name) | | | | | | | | |
| Prof.assist. Ibtisam Khalaf Abd Ali Email: [dr.ibtisam@conursing.uobaghdad.edu.iq](mailto:dr.ibtisam@conursing.uobaghdad.edu.iq)  Prof.assist. Alaa hassan Merza Hussain [dr.alaah@conursing.uobaghdad.edu.iq](mailto:dr.alaah@conursing.uobaghdad.edu.iq) | | | | | | | | |
| 1. Course Objectives | | | | | | | | |
| **Course Objectives** | | | | | | **Course Objectives**  **1**- To be familiar with the structure of the human body and the organs and organs that make up it.  2- Clarifying the anatomical and histological structures of each organ in the human body and its constituent organs, which leads to the exact structure of these tissues (the cell and its components).  3- Identifying the cell and its components, shapes and precise structures with the help of illustrations and films.  4. Learn how to use the microscope in principle and display tissue slides to install specific organs in the human body.  5. Presenting plastic models of human body structures and identifying the parts and components of these structures for the purpose of clarifying the picture for students.  6. View the preserved skeletal models and identify the types, shapes and structures of each bone.  7. Identifying the types of joints in the human body and the type of joint movement using plastic models for each joint. | | |
| 1. Teaching and Learning Strategies | | | | | | | | |
| **Strategy** | | |  | | | | | |
| 1. Course Structure | | | | | | | | |
| **Week** | **Hours** | **Required learning outcomes** | | **Unit or subject name** | | | **Learning method** | **Evaluation method** |
| **W1** |  | Introduction to the Anatomy, Definition of Anatomy, Histology, The cell and Tissue. Division of the anatomy The main Tissues of the body, Types of Epithelium | | Introduction to Anatomy | | |  | Two written exams for the theoretical and practical subjects  Quizes at least 3 times during the semester |
| **W2** |  | The Digestive System The general structure of GIT, Describe The Constituents of the GIT, The Structure of the elementary canal ( The Oral Cavity , the pharynx, Esophagus). describe Their structure , shape, location and functions. The Stomach ,Parts and structure of the stomach and the blood and nerve innervation | | Anatomy of The Digestive System part 1 | | |  |  |
| **W3** |  | The Small intestine ,The constituents of Small intestine , Structure ,Innervation , Blood vessels of the small intestine , The constituents (parts) of Large Intestine , The Accessory organs ( Salivary glands , Liver , Gall bladder and Pancreas), Describe The structure , shape, location and functions blood and nerve innervation | | Anatomy of The Digestive System part 2 | | |  |  |
| **W4** |  | The Respiratory system Describe The anatomical Structure of the Upper Respiratory tract and the lower Respiratory tract their structure , shape, location, functions and Clinical Disorders Structures of Nasal Cavity , The nose, Paranasal Sinuses , The Structure of the Pharynx, The Larynx or Voice Box , of Larynx, The Trachea, The Bronchi and the Bronchial Tree , The Lungs, The constituents of the Lungs) also describe the blood and nerve innervation | | Anatomy of The  Respiratory system | | |  |  |
| **W5** |  | The skeletal system Describe The Types of bone, classifications of Bones, The component of the skeletal system, and the Division and functions of the Skelton, The constituents of axial Skelton and peripheral skeleton . classified of the skeleton according to their shape . Types of Bone Cells. The joints, their Definition , characteristic features, types and classification of the Joints., | | Anatomy of The Skeletal system | | |  |  |
| **W6** |  | The Muscular system (Describe The Characteristic feature of Muscular Tissue, Types Of Muscles , Structural Organization of Skeletal Muscle, Structural Organization of Myofibrils and Myofilaments, Structures of Neuromuscular Junction (Chemical Synapse and Motor End Plate) , Functions Of Skeletal Muscle, Development Of Skeletal Muscle, Cardiac Muscle Fibers, Specific structure of cardiac muscle fiber, Characteristic features of Smooth Muscle Fiber, Types of Smooth Muscle , The Differences Between Skeletal Muscle, Cardiac Muscle And Smooth Muscle Tissues, | | The Anatomy of The Muscular system | | |  |  |
| **W 7** |  | The Nervous system , Describe The nervous tissue The Structure of the neuron ,types of neurons The main character features of the nerve cells , Types of neurons according to the shape and size of their processes and functions , classification and Division of the nervous system , The parts of the Central Nervous System, their location and functions , Brain ventricles, Blood brain barrier . The Brain, Parts of the brain, The Spinal Cord, The structure of the spinal cord, Division of the spinal cord, | | The Anatomy of The  Nervous System part 1 | | |  |  |
| **W8** |  | The Peripheral Nervous System, Describe The Structure , parts and division of Peripheral nervous system ,their location and functions .The Cranial Nerves. The Spinal Nerves . | | The Anatomy of The  Nervous System part 2 | | |  |  |
| **W9** |  | Endocrine system : describe the anatomical structure of the endocrine system The classifications of endocrine glands their structure ,location and functions ,Definitions off the glands and Hormones | | The Anatomy of The  Endocrine System | | |  |  |
| **W10** |  | The Circulatory system ( The Heart , valves and The Blood Vessels )  Describe The location of the heart , parts and structure of the heart , Chambers of the Heart, The valves, Their structure , location and function ,the structure of the Cardiac Muscle, Sulci of the Heart , Fibrous skeleton of the Heart, Blood supply to the heart, Nerve Supply to the heart .,.Describe The type of Blood Vessels structure ,the Pericardium ,the layers of blood vessels, study the differences between types of Blood vessels . The Haemopoitic system ,the structure ,components and functions of the Haemopoitic system. | | The Anatomy of The Cardiovascular system | | |  |  |
| **W11** |  | The Lymphatic system, Definition , Functions, and the Components of the Lymphatic System .The Lymph , Lymphatic Vessels,. Lymph Nodes, Structure of lymph Node, Cells of Lymph Nodes, Functions of Lymph Nodes, Lymphatic Organs,( The Spleen and The thymus gland) their structure and functions . Organs of Immune System, Cells of Immune System, Types and functions of T- Lymphocytes | | The Anatomy of The  Lymphatic system | | |  |  |
| **W12** |  | The Urinary system Describe The Structure , location , of the Kidneys , ureter ,urinary bladder and urethra also describe their , shape, and function. also describe the blood and nerve innervation | | The Anatomy of The  Urinary System | | |  |  |
| **W13** |  | The Reproductive system :( The Female Reproductive system)  Describe the anatomical structure ,location,, shape and functions of the Female Reproductive organs Describe the parts of Female Reproductive organs and the accessory sex glands also describe the blood and nerve innervation. | | The Anatomy of The Female Reproductive system | | |  |  |
| **W14** | n | The Reproductive system :( The Male Reproductive system)  Describe the anatomical structure ,location and functions of the male reproductive organs ,The Parts of the male reproductive organs and the accessory sex glands also describe the blood and nerve innervation | | The Anatomy of The Male Reproductive system | | |  |  |
| **W15** |  | The anatomy of the sense organ  The Special Sense Organs : describe the anatomical structure ,location ,functions of the eye and ear . describe the blood and nerve innervation.  The Integumentary system : Describe the Skin the structure, layers and cells of the skin | | The Anatomy of The sense organ | | |  |  |
|  |  | **B. Practical Laboratory** | |  | | |  |  |
| **Week**  **1** |  | Describe the Parts of Microscope and how to use it | | Lab 1The Microscope | | |  | Practical exam and quiesces |
| **Week**  **2** |  | The compartment of the cell  1-plasma membranes  2-cytoplasm  3-nucleus  The organelles of the cell | | Lab 2/  The cell | | |  |  |
| **Week**  **3** |  | 1-Epithelial tissue  2-connective tissue  3-muscular tissue  4-nerves tissue | | Lab 3/ Types of human body Tissues | | |  |  |
| **Week**  **4** |  | anatomical terms are used for precise anatomical description of mutual relationship of the various structures of the body | | Lab4/Anatomical terminology | | |  |  |
| **Week 5** |  | Classification of bones  Division of the skeletal system  Appendicular skeleton  Axial skeleton | | Lab 5/The skeleton | | |  |  |
| **Week 6** |  | shoulder girdle and upper limbs  Pelvic girdle and lower limbs  The joints | | Lab 6/Anatomy of skeletal system | | |  |  |
| **Week 7** |  | Bones of the Axial Skeleton ( Bones of the Vertebral Colum , Ribes and The Skull ). | | Lab 7/Anatomy of skeletal system | | |  |  |
| **Week**  **8** |  | The muscles of the upper and lower limbs  The muscles of the abdominal region | | Lab8/The Muscular system | | |  |  |
| **Week 9** |  | Demonstration the Gastrointestinal tract (GIT) component: Oral cavity, esophagus, stomach, Small and large Intestine also Demonstration the accessory organs (Liver and Pancreas) (using plastic models ) | | Lab 9/The Digestive system | | |  |  |
| **Week 10** |  | Demonstration the parts of the Respiratory system  Nasal cavity,treachea,bronchi and lungs. (using plastic models ) | | Lab 10/ The Respiratory system | | |  |  |
| **Week**  **11** |  | Demonstration the structure of the heart ,champers and heart valves (using plastic models ) | | Lab 11/- The Cardiovascular system., The Anatomy of the Heart | | |  |  |
| **Week 12** |  | The Blood supply to the upper and lower limb  The Blood supply to the head and neck | | Lab 12/ The Cardiovascular system. ( The Anatomy of the Blood Vessels: Anatomy of the Arteries and The veins ) | | |  |  |
| **ek 13** |  | Demonstration the structure of the kidney ,ureter and urinary bladder (using plastic models ) | | Lab 13) The Urinary system | | |  |  |
| **Week 14** |  | Demonstration the structure of the Female sex organs (using plastic models ) | | Lab 14/ The Reproductive system :( The Female Reproductive system) | | |  |  |
| **Week 15** |  | Demonstration the structure of the male sex organs (using plastic models ) | | Lab 15/ The Reproductive system :( The male Reproductive system) | | |  |  |
| 1. Course Evaluation | | | | | | | | |
| Two written exams for the theoretical and practical subjects  Quizes at least 3 times during the semester ,quiesces ad activities | | | | | | | | |
| 1. Learning and Teaching Resources | | | | | | | | |
| Required textbooks (curricular books, if any) | | | | | * Waugh, A., & Grant, A. (2018). Ross and Wilson: Anatomy and Physiology in Health and Illness. (13th edition). Churchill Livingstone. * Frederic H.Martini,Willam C.Ober,M.D,Claire W.Garrison,R.NK.athleen Welch,M.D.and Ralph T.Huchinges,Fundamental Anatomy & Physiology ".fifth ed.2010. * [IanPeate](https://www.google.com/search?q=Ian+Peate&stick=H4sIAAAAAAAAAOPgE-LVT9c3NEwyS0kqNMowUuLSz9U3MK1Mia9K15LJTrbST8rPz9YvL8osKUnNiy_PL8q2SiwtycgvWsTK6ZmYpxCQmliSCgD_N8RzRwAAAA&sa=X&ved=2ahUKEwity7CGkJflAhVBK1AKHa4cBFUQmxMoATASegQIDBAK), [Muralitharan Nair](https://www.google.com/search?q=Muralitharan+Nair&stick=H4sIAAAAAAAAAOPgE-LVT9c3NEwyS0kqNMowUoJw06qSjAzSKvO0ZLKTrfST8vOz9cuLMktKUvPiy_OLsq0SS0sy8osWsQr6lhYl5mSWZCQWJeYp-CVmFgEAbkJE-VIAAAA&sa=X&ved=2ahUKEwity7CGkJflAhVBK1AKHa4cBFUQmxMoAjASegQIDBAL), Anatomy and Physiology for Nurses at a Glance,2015 , WileyBlack well,England .UK   Harold Ellis., CBE, MA, DM, MCh, FRCS, FRCP, FRCOG, FACS (Hon) Clinical Anatomist, Guy’s, King’s and St Thomas’ School of Biomedical Sciences; Emeritus Professor of Surgery, Charing Cross and Westminster Medical School, London; Formerly Examiner in Anatomy, Primary FRCS (Eng) **.Clinical Anatomy Applied anatomy for students and junior doctors**., Eleventh Edition.,2006 | | | |
| Main references (sources) | | | | | Waugh, A., & Grant, A. (2018). Ross and Wilson: Anatomy and Physiology in Health and Illness. (13th edition). Churchill Livingstone | | | |
| Recommended books and references (scientific journals, reports...) | | | | |  | | | |
| Electronic References, Websites | | | | | **2.**[**http://cnx.org/content/col11496/1.8**](http://cnx.org/content/col11496/1.8)  **OpenStax book**  J. Gordon Betts, Peter Desaix, Eddie Johnson, Jody E. Johnson, Oksana Korol, Dean Kruse, Brandon Poe, James A. Wise, Mark Womble, Kelly A. Young, Anatomy and Physiology ,2017. | | | |