





Course Description Form

1. Course Name:
Anatomy for Nurse
2. Course Code:
ANT103
3. Semester / Year:
First Year/ semester -I
4. Description Preparation Date:
30-1-2024
5. Available Attendance Forms:
Recording the student's attendance in theoretical lectures and practical laboratories
6. Number of Credit Hours (Total) / Number of Units (Total)
(3) hours per week for the theoretical subject and (2) for the practical subject - I for a period of 15 weeks (total 75 hours)
7. Course administrator's name (mention all, if more than one name)
Name:
Email:
8. Course Objectives
<ul style="list-style-type: none"> To have extensive knowledge of the structure of the human body and the systems and organs that make it up. Explaining the anatomical and histological structures of each system in the human body and its constituent organs, leading to the precise composition of these tissues (the cell and its components). Identify the cell, its components, shapes, and the precise structures within it, with the help of illustrations and films. Learn how to use the microscope initially and display histological slides related to the structure of certain organs in the human body.

- ✚ Displaying plastic models of human body structures and identifying the parts and components of these structures for the purpose of clarifying the picture to students.
- ✚ Displaying preserved models of the skeleton and identifying the types, shapes, and structures of each bone.
- ✚ Identify the types of joints found in the human body and the type of joint movement, using plastic models for each joint.

9. Teaching and Learning Strategies

- ✚ Method of delivering the lecture using PowerPoint and illustrative films related to the human body and the plastic devices and organs that make it up (laboratory doll models).
- ✚ Continuous discussion by asking questions and answers in the hall and motivating the student to self-think and thus to self-learning.
- ✚ Using innovative educational means, such as the smart board, data shows, films, and scientific pictures that bring the subject closer to the students' minds.




10. Course Structure

Theoretical = 3 h

Date of Class	Unit to be Covered and/or Activity
Week 1	<p>Introduction to the Anatomy</p> <p>Definition of Anatomy ,Histology, The cell and Tissue. Division of the anatomy The main Tissues of the body, Types of Epithelium</p>
Week 2	<p>The Digestive System</p> <p>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</p>

	Stomach ,Parts and structure of the stomach and the blood and nerve innervation
Week3	<p>The Small intestine</p> <p>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.</p>
Week 4	<p>The Respiratory system</p> <p>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</p>
Week5	<p>The skeletal system</p> <p>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.</p>
Week 6	<p>The Muscular system</p> <p>(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,</p>

	Types of Smooth Muscle , The Differences Between Skeletal Muscle, Cardiac Muscle And Smooth Muscle Tissues.
Week 7	<p>The Nervous system</p> <p>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.</p>
Week 8	<p>The Peripheral Nervous System</p> <p>Describe The Structure, parts and division of Peripheral nervous system ,their location and functions .The Cranial Nerves. The Spinal Nerves.</p>
Week 9	<p>Endocrine system</p> <p>describe the anatomical structure of the endocrine system The classifications of endocrine glands their structure ,location and functions ,Definitions off the glands and Hormones .</p>
Week 10	<p>The Circulatory system</p> <p>(The Heart , valves and The Blood Vessels)</p> <p>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 . ,</p> <p>.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.</p>
Week 11	<p>The Lymphatic system</p>

	<p>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</p>
Week 12	<p>The Urinary system</p> <p>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</p>
Week 13	<p>The Reproductive system :(The Male Reproductive system)</p> <p>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.</p>
Week 14	<p>The Reproductive system :(The Female Reproductive system)</p> <p>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.</p>
Week 15	<p>The Special Sense Organs</p> <p>describe the anatomical structure ,location ,functions of the eye and ear . describe the blood and nerve innervation.</p> <p>The Integumentary system : Describe the Skin the structure, layers and cells of the skin.</p>
<i>Practical = 2 H</i>	
Week 1	<p>The compartment of the cell</p> <ul style="list-style-type: none">  plasma membranes  cytoplasm  nucleus <p>The organelles of the cell</p>

Week 2	Types of human body Tissues <ul style="list-style-type: none"> + Epithelial tissue + connective tissue + muscular tissue + nerves tissue
Week 3	Anatomical terminology <ul style="list-style-type: none"> + anatomical terms are used for precise anatomical description of mutual relationship of the various structures of the body
Week 4	The skeleton <ul style="list-style-type: none"> + Classification of bones + Division of the skeletal system + Appendicular skeleton + Axial skeleton
Week 5	Anatomy of skeletal system shoulder girdle and upper limbs Pelvic girdle and lower limbs The joints
Week 6	The Muscular system
Week 7&8	The Digestive system
Week 9	The Respiratory system
Week 10 &11	The Cardiovascular system
Week 12	The Urinary system
Week 11	The Reproductive system :(The Female Reproductive system)
Week 12	The Reproductive system :(The male Reproductive system)
Week 13	The Lymphatic system
Week 14	Endocrinal system

11. Course Evaluation

First midterm theory exam	10 %
Second midterm theory exam	10%
Quiz	5%
Practical exam	15 %
Final practical exam	20%
Final Exam	40%
Total	100 %

12. Learning and Teaching Resources

1. [Ian Peate, Muralitharan Nair](#), Anatomy and Physiology for Nurses at a Glance, 2015, Wiley Blackwell, England, UK

2. <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.

3. Frederic H. Martini, William C. Ober, M.D., Claire W. Garrison, R.N.K. Athleen Welch, M.D. and Ralph T. Huchings, Fundamental Anatomy & Physiology ".fifth ed. 2010.

4. 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.