Syllabus
COURSE: 1ST SEMESTER
SUBJECT: APPLIED ANATOMY

Sl. no	Hrs	UNIT TITLE	MUST KNOW (70%)	DESIRABLE TO KNOW (20%)	NICE TO KNOW (10%)
1	8	**I**ntroduction to anatomical terms and organization of the human body	● Introduction to anatomical terms relative to position – anterior, ventral, posterior dorsal, superior, inferior, median, lateral, proximal, distal, superficial, deep, prone, supine, palmar and plantar ● Cell structure and cell division ● Tissue – Definition, types, characteristics, classification and location ● Identify major surface and bony land marks in each body region and organization of human body ● Membrane, glands – classification and structure ● Hyaline, fibro cartilage and elastic cartilage ● Features of skeletal, smooth and cardiac muscle ● Application and implication in nursing	● Anatomical planes (axial/ transverse/ horizontal, sagittal/vertical plane and coronal/frontal/oblique plane)	● Movements (flexion, extension, abduction, adduction, medial rotation, lateral rotation, inversion, eversion, supination, pronation, plantar flexion, dorsal flexion and circumduction
2	6	The Respiratory system	● Structure of the organs of respiration ● Application and implication in nursing	Muscles of respiration	

3	6	The Digestive system	● Structure of alimentary canal and accessory organs of digestion ● Application and implications in nursing		
4	6	The Circulatory and Lymphatic system	● Structure of blood components, blood vessels – Arterial and venous system ● Veins used for IV injections ● Chambers of heart and layers of heart ● Nerve and blood supply to heart ● Application and implication in nursing	● Lymphatic tissue ● Heart valves and coronary arteries	● Position of heart relative to the associated structures ● Important arteries in each region
5	4	The Endocrine system	● Structure of thyroid, parathyroid, pancreas and adrenal glands ● Application and implications in nursing		Structure of hypothalamus, pineal gland, pituitary gland ,thymus
6	4	The Sensory organs	● Structure of skin, eye	● Structure of ear, nose and tongue	
7	10	The Musculoskeletal system: The Skeletal system The Muscular system	● Anatomical positions ● Types and structure of muscles ● Joints – classification, major joints and structure ● Major muscles involved in nursing procedures ● Application and implications in nursing	● Principal muscles – Deltoid, biceps, triceps, respiratory, abdominal, pelvic floor, pelvic floor muscles, gluteal muscles and vastus lateralis	● Axial and appendicular skeleton ● Bones – types, structure, growth and ossification ● Muscle groups – Muscles of the head, neck, thorax, abdomen, pelvis, upper limb and lower limbs
8	5	The Renal system	● Structure of kidney, ureters, bladder and urethra		

			● Application and implication in nursing		
9	5	The Reproductive system	● Structure of female reproductive organ ● Structure of breast ● Structure of male reproductive organs		
10	6	The Nervous system	● Review structure of neurons ● Structure of brain ● Structure of spinal cord, cranial nerves, spinal nerves, peripheral nerves and functional areas of cerebral cortex ● Blood supply of brain ● Application and implication in nursing	● Ventricular system – formation, circulation and drainage	● CNS, ANS and PNS (Central, Autonomic and Peripheral)