Placement –First Year **Time: Theory 60 Hours**

Course Description: The Course is designed to assist the students to acquire knowledge of the normal physiology of various human body systems and understand the alteration in anatomical structure in diseases and practice of nursing.

UNIT	TIME (Hrs.)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
I	5	• Describe the anatomical of term organization of human body and structure of cell, tissues, membranes and glands	**Introduction of Anatomical terms organization of the human body** • Human Cell Structure • Tissues – Definition, Types, Characteristic, classification, location, functions and formation • Membranes and glands classification and structure Alteration in disease • Application and implication in nursing	• Lecture discussion • Explain using charts, microscopic slides, Skeleton and torso • Demonstrate cells, types of issues membranes and glands • Record book	• Short answers questions • Objectives type
II	6	• Describe the structure and function of bones and joints	**The Skeletal System** • Bone types, Structure, Axial and Appendicular Skeleton, • Bone formation and growth • Description of bones • Joints – classification and structure Alterations in disease Application and implication in nursing	• Lecture discussion • Explain using charts, skeleton, loose bones and joints • Record book	• Short answer questions • Objective type
III	7	• Describe the structure and function s of muscles	**The Muscular System** • Types and structure of muscles • Muscle groups Alteration in disease Application and implications in nursing	• Lecture discussion • Explain using charts, models and films • Demonstration of muscular movements • Record book	• Short answer Questions • Objective type

IV	6	• Describe the structure and function of nervous system	**The Nervous System** • Structure of neurologia and neurons • Somatic Nervous system • Structure or brain , spinal nerves, peripheral nerves • Autonomic Nervous System- sympathetic, parasympathetic • Structure ,location Alteration in disease Applications and implications in nursing	• Lecture discussion • Explain using models, charts, slides, specimens • Record boo	• Short answer questions • Objective type
V	6	• Explain the structure and functions of sensory organs	**The Sensory Organs** • Structure of skin, eye , ear, nose, tongue, (Auditory and olfactory apparatus) Alterations in disease Applications and implications in nursing	• Lecture discussion • Explain using models, charts, slides, specimens • Record book	• Short answer questions • Objective type
VI	7	• Describe the structure and function of circulatory system	**Circulatory and lymphatic system** • The circulatory system ▪ Blood – Microscopic structure ▪ Structure of Heat ▪ Structure if blood vessels Arterial and Venous system, ▪ Circulation: systemic, pulmonary, coronary • Lymphatic system ▪ Lymphatic vessels and lymph ▪ Lymphatic tissues - Thymus gland - Lymph nodes - Spleen - Lymphatic nodule Alteration in disease Application and implication in nursing • Lecture discussion • Explain using models, charts, slides, specimens • Record book		• Short answer questions • Objectives type

VII	6	• Describe the structure and function of respiratory system	**The Respiratory system** • Structure of the organs of respiration • Muscles of reparation : Intercostal and Diaphragm Alterations in disease Application and implications in nursing	• Lecture discussion • Explain using models, torso, charts, slides, specimens • Record book	• Short answer question • Objective type
VIII	6	• Describe the structure and function of digestive system	**The Digestive system** • Structure of Alimentary tract and accessory organs of digestion Alteration in disease Applications and implication in nursing	• Lecture discussion • Explain using models, torso, charts, slides, specimens • Record book	• Short answer question • Objective type
IX	4	• Describe the structure and function of excretory system	**The Excretory System (Urinary)** • Structure of organs of urinary • System : kidney, ureters, urinary bladder , urethra structure of skin Alterations in disease Application and implication in nursing	• Lecture discussion • Explain using models, torso, charts, slides, specimens • Record book	• Short answer questions • Objective type
X	4	• Describe the structure and function of endocrine system	**The Endocrine System** • Structure of Pituitary, pancreas, thyroid, Parathyroid, thymus and adrenal glands Alteration in disease Applications and implications in nursing	• Lecture discussion • Explain using models, torso, charts, slides, specimens • Record book	• Short answer questions • Objective type
XI	5	• Describe the structure and function of reproductive system	**The Reproductive system including breast** • Structure of female reproductive organs • Structure of male reproductive organs • Structure of breast Alterations in disease Application and implication in nursing	• Lecture discussion • Explain using models, torso, charts, slides, specimens • Record book	• Short answer questions • Objective type