Unit Plan

SUBJECT - ANATOMY

**Placement: First year**

**Theory – 90 Hours**

**Course description**:

This course is designed to help the students gain knowledge of the structure and the function of the human body and recognise any deviation from the normal health in order to render effective nursing services

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Competencies**  **The student will be able to** | **Content** | **Hours** | **Method of**  **teaching** | **Teaching learning activities** | **Teaching Aids** | **Method of evaluation** |
| Describe the anatomical terms | **Introduction to anatomical terms** | 2 | Lecture cum discussion | Structured discussion | OHP transperancies.Chart | Quiz |
| Describe the organisation of body cells tissues, organs, systems membranes and glands | **Organization of body cells tissues .organs. systems membranes and glands**   * Applications in Nursing | 2  1 | Lecture cum discussion | Describes the organisation with audiovisual aids | Anatomical charts,  Models | Question and answer |
| Describe the structure and function of anatomical system | **Skeletal system**   * Bones : types . structures ,functions | 2 | Lecture cum discussion | Describes the structure and function | Bones.  Skeleton and power point | Assignment |
| * Axial skeleton | 2 |
| * Appendicular skeleton | 1 |
| * Joints :classification, structure and function | 2 |
| * Applications in Nursing | 1 |
| Describe the structure and function of muscular system | **Muscular system**   * Types ,structure and functions | 2 | Discussion | Describes the structure and function with Audio visual aids | Charts and Models | Written test |
| * Position and action of chief muscles of body | 2 |
| * Applications in Nursing | 1 |
| Describe the structure and function of cardio vascular system | **Cardio-vascular system**   * Blood :composition, clotting and blood group , cross matching blood products and their use | 2 | Discussion | Describes the structure and explains the function of the cardio vascular system | Charts, Working Models and videos | Written test |
| * Heart: position , structure , conduction system , function and cardiac cycle | 3 |
| * Blood vessels : structural differences and position of chief vessels | 2 |
| * Circulation of blood : systemic , pulmonary and portal circulation | 2 |
| * Blood pressure and pulse | 2 |
| * Lymphatic system : lymph vessels , glands , ducts and lymph circulation , lymph tissues in the body , spleen | 2 |
| * Applications in Nursing | 1 |
| Describe the structure and function of respiratory system | **Respiratory system**   * Structure and functions of respiratory organs | 3 | Lecture cum discussion | Describes the respiratory system and explains the physiology of respiration | Anatomical models and videos | Assignment |
| * Physiology of respiration | 2 |  |  |  |  |
| * Characteristics of normal respiration and its deviations | 2 |  |  |  |  |
| * Application in Nursing | 1 |  |  |  |  |
| Describe the structure and function of digestive system | **Digestive system**   * Structure and functions of organs of digestion and accessory * Organs | 3 | Discussion | Structure discussion | Charts, Posters | Written test |
| * Process of digestion and absorption | 2 |  |  |  |  |
| * Metabolism :meaning and metabolism of food constituents | 2 |  |  |  |  |
| * Applications in Nursing | 1 |  |  |  |  |
| Describe the structure and function of excretory system | **Excretory system**   * Structure and functions of organs of urinary system | 2 | Lecture cum discussion | Structured discussion | Models. Videos. Charts and posters | Assignment |
| * Structure and functions of skin | 2 |  |  |  |  |
| * Regulation of body temperature | 1 |  |  |  |  |
| * Fluid and electrolyte balance | 2 |  |  |  |  |
| * Applications in Nursing | 1 |  |  |  |  |
| Describe the structure and function of nervous system | **Nervous system**   * Type, structure and functions of neuron | 2 | Lecture | Describes and discuss | Posters, Powerpoint | Written test |
| * Central nervous system: structure and functions | 3 |  |  |  |  |
| * Autonomic nervous system: structure and functions | 2 |  |  |  |  |
| * Applications in Nursing | 1 |  |  |  |  |
| Describe the structure and function of endocrine system | **Endocrine system**   * Structure and functions of pituitary , pancreas , thyroid, parathyroid, thymus and supra renal glands | 6 | Lecture cum discussion | Discussion | Models.Posters | Written test and assignment on endocrine disorders |
| * Applications in Nursing | 2 |  |  |  |  |
| Describe the structure and function of sense organs | **Sense organs**   * Structure and functions of eye, ear , nose and tongue | 3 | Lecture cum discussion | Structured discussion and visit to ENT OPD | Models, Chart | Written test |
| * Physiology of vision , hearing and equilibrium | 3 |  |  |  |  |
| * Applications in Nursing | 2 |  |  |  |  |
| Describe the structure and function of reproductive system | **Reproductive system**   * Structure and functions of reproductive and accessory organs . | 2 | Lecture cum discussion | Structured discussion | Models, Posters and OHP transperancies | Assignment |
| * Process of reproduction, menstrual cycle and menopause | 2 |  |  |  |  |
| * Reproductive health | 2 |  |  |  |  |
| * Structure and functions of male reproductive system | 2 |  |  |  |  |
| * Applications in Nursing | 2 |  |  |  |  |

References-

1. Yalayyaswamy Anatomy and physiology for nursing

2. Bansal Anatomy and physiology for nursing (Hindi)

3. Ashalata Textbook of Anatomy and physiology for nursing

4. Gray’s Anatomy for students

5. Ross and Wilson anatomy and physiology in health and illness

6. Anthony Textbook of anatomy and physiology

7. Netter’s Atlas of human Physiology