

Human Anatomy (2)HAN 126

1 st year Semester two				
Course Title	Lecture	Tutorial	Practical	Credit Hours
Human Anatomy (2)	4	-	2	5

Course Description

The course gives abroad overview of the basic elements contained in the course. It is designed to extend the student's knowledge of anatomy in those areas relevant to the Practice of diagnostic radiography, sonography, nuclear medicine and radiotherapy. Students would be taught to locate the human body structures by their surface markings.

Prerequisite

None

Text Book

- (1) Dean, (Basic Anatomy and Physiology for Radiographers) – Blackwell Scientific pub . London.
- (2) O' Rahilly, (basic Anatomy: A Regional Study of Human Structure's).
- (3) Ross, (Founded on Anatomy and Physiology), 4th ed. New York.
- (4) Warwick , (Gray's Anatomy), 35th ed – Longman.
- (5) Last, (Anatomy Regional and Applied), 6th ed. – ELBS.

Course Objective

To enable the student to relate the anatomical structures of the human body to imaging techniques.

Topics covered

Lecture 1,2,3,4

☒ Urinary System

Kidneys, Ureters, Bladder, and Urethra

Lecture 5,6,7,8

☒ Reproductive System

A. Male

External organs and internal organs

B. Female

External organs, internal organs, and Mammary glands

Lecture 9

Demonstration

Lecture 10,11,12,13

☒ Digestive System

- A. Primary organs
 - a. Oral cavity, Esophagus, Stomach, Rectum, small and Large intestine
- B. Accessory organs
 - a. Salivary glands, Pancreas, Liver, Gallbladder, and Spleen.

Lecture 14

Demonstration

Lecture 15

Test

Lecture 16,17,18,19

☒ Cardiovascular System

- A. Blood
 - 1. Composition
 - 2. Clotting system
 - 3. Hematopoiesis
- B. Heart and vessels

Lecture 20

Demonstration

Lecture 21,22,23

☒ Endocrine System

Pituitary gland, Thyroid gland, Parathyroid, Adrenal, Pancreas, Testes, Ovaries, and Placenta

Lecture 24

Demonstration

Lecture 24

☒ Lymphatic System

Lymph vessels and Lymphatic organs

Lecture 25

☒ Broad Lines of Embryonic Development

Lecture 26

Test

Lecture 27,28,29

☒ Sensory System:

1. Orbits, Optic Nerve, and chiasm
2. Hearing and Equilibrium
3. Olfactory Nerve and smell
4. Sensation and nerve ending
5. Tastes

Lecture 30

Demonstration, general course revision

Class/Lab. Schedule

4-hours lecture , 2 practical per week

Computer Application

None.

Laboratory Projects

Demonstration in the museum

Contribution of Course to Meeting the Professional Component

Basic science 5-credit hours.

Relationship of Course to Program Outcomes

The course will enhance the students :

- 1- To apply knowledge about the structures of the human body as seen from diagnostic X-ray films and other available materials primarily to diagnostic radiology science.
- 2- To apply knowledge in the planner anatomy for all the human body parts to be aware to all the radiographic procedures.
- 3- Ability to understand imaging techniques for all the human anatomical parts .

Prepared by

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