Course Specifications

General Information

Course name	Digestive System
Course number	MDCN3611
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	5
Credit hours (practical)	2
Course Prerequisites	

Course Objectives

1 - Identify and describe the macroscopic appearance of different parts of the digestive system

2 - Describe the microscopic appearance of different parts of the digestive system

3 - Describe the normal embryological development of digestive respiratory system and common congenital abnormalities

4 - Describe and understand the physiology of digestive system (digestion, secretion and absorption).

5 - Recognize the characteristics of microorganisms that cause infection of the digestive system, their pathogenicity and methods of identification

6 - Understand and discuss various disease affecting digestive system with emphasis liver disease, peptic ulcer, chronic bowel inflammatory diseases and digestive system tumors

Intended Learning Outcomes

Knowledge and Understanding	* Describe the anatomical and histological structure, development, and function of the different organs of the GI system
	* Describe the various pathologic diseases and infections of the GI system and understand their mechanisms.
Intellectual Skills	* Explain signs, symptoms and investigations related to GI disorders and explain the scientific bases for common disease
Professional Skills	* Describe drugs used in the treatment of various GI diseases
General Skill	* Respect superiors, colleagues and any other members of the health profession.

Course Contents

1 - Anatomy of oral cavity, salivary glands Mandible & muscles mastication
2 - The anterior abdominal walls and inguinal region The abdominal cavity and peritoneum
3 - Histology of digestive system
4 - Gastro-Intestinal motility, secretions and digestion
5 - Anatomy of the esophagus and stomach Anatomy of small and large intestine
6 - Diseases of the oral cavity Diseases of the esophagus
7 - Diseases of stomach
8 - Anatomy of large intestine, rectum and the anal canal Anatomy of the accessory organs of GIT
9 - Control mechanisms: Neuronal and Hormonal
10 - GIT blood supply and portal circulation Nerves and lymphatic drainage of the GIT Anatomy
11 - Histology of digestive system
12 - Liver function and bile secretions.
13 - Embryology of the coelomic cavity and peritoneum
14 - Metabolic diseases of the liver
15 - Drug-induced liver injury

Teaching and Learning Methods

1 - case scenario simulation of common clinical cases
2 - videos and simulation labs
3 - interactive lectures

Teaching and Learning Methods for the Disabled Students

1 - Help each student according to his needs and his condition
2 - Lectures

Students Assessment

Assessment Method	TIME	MARKS
paper 1 exam	60	40
paper 2 exam	60	40
practical exam	60	20

Books and References

Course note	doctors lectures notes
Essential books	GRANTS ATLAS OF ANATOMY OR ANY OTHER REASONABLE COLORED ATLAS OF HUMAN ANATOMY. - TEXTBOOK OF MEDICAL PHYSIOLOGY BY GUYTON AND HALL (LATEST EDITION). - LEHNINGER PRINCIPLES OF BIOCHEMISTRY, LEHNINGER,NELSON AND - PHARMACOLOGY, LIPPINCOTT'S ILLUSTRATED REVIEW, (LATESTEDITION). - BASIC HISTOLOGY BY CARLOS JUNQUIEIRA, JOSE CARNEIRO, ROBERT O.KELLEY (LATEST EDITION) - REVIEW OF MEDICAL MICROBIOLOGY AND IMMUNOLOGY, LEVINSONW. (LATESTEDITION).