

Courses Description

College: Medicine

Department:

Couse ID: 111501104 **Description:** General Anatomy

Full Course Description: This course covers introduction in gross anatomy to all parts of the body (upper limb & lower limb, thorax, abdomen, head & neck, and microanatomy) including terms, regions, muscles, blood vessels, and nerves. It also provide an introduction to the nervous system. This course also covers general embryology including the development of embryo starting from the zygote, the fetal membranes, placenta and congenital malformations.

Couse ID: 111501105 **Description:** Histology and Molecular Biology

Full Course Description: This course covers the cell with respect to structure, function and classification, epithelial cells, cell structure of endocrine glands, peripheral blood, connective tissues, bone and cartilage, muscles, nerves, blood vessels, lympho-reticular tissue and skin and appendages.

Couse ID: 111501106 **Description:** General Physiology

Full Course Description: This course covers the definition of physiology and the systems involved. It includes the study of basic principles of physiology that involve subjects like, physiological units, biological membranes, transport, homeostasis, body fluids, membrane potentials, hemodynamics and laws of blood flow.

Couse ID: 111501107 **Description:** General Biochemistry

Full Course Description: This course covers the study of the structure and classification of carbohydrates, lipids, and amino acid, structure and characteristics of proteins, hemoglobin, fibrous proteins, enzymes including their general properties, classification, kinetics, mechanisms of inhibition and regulation. It also covers nucleic acids and nucleotides and gene structure. Furthermore, it covers energy metabolism including cellular bioenergetics, tricarboxylic acid cycle and oxidative phosphorylation. The course also covers carbohydrate and lipid metabolism, nitrogen, amins, acids in addition to nutritions and vitamins.

Couse ID: 111501201 **Description:** Principles of Genetics and Molecular Biology

Full Course Description: This course covers the study of chromosomes and heredity, genetic linkage, chemistry of the gene, mitosis and meiosis, gamete formation, mechanisms of transfer of genetic traits, genetic code and its transcription and translation, protein synthesis, mutations, genetic map, sex determination, sex-linked characteristics, human genetic disorders and their diagnosis and management, and genetic engineering.

Couse ID: 111501303 **Description:** Skin and Locomotors System

Full Course Description: This course covers the study of the locomotor system and skin including the anatomy and histology of nerves, muscles and skin; the physiology of nerves and muscles, the biochemistry of muscle contraction and neurotransmission. It also covers the diseases of the skin, muscles and nervous tissues including bacterial, viral, parasitic and fungal infections, together with disturbances of metabolism and genetics of the locomotor system and tumors of muscles, bones and joints. The course covers also the therapeutics of such diseases and their clinical aspects including signs and symptoms, and disease presentation.

Couse ID: 111501305 **Description:** Neurosciences (1

Full Course Description: Theis course is an intensive, multidisciplinary, and integrated course taught to students of the College of Human Medicine in the basic stage. The course consists of 4 credit hours and is designed to provide students with the basic sciences and clinical framework of central nervous system topics.□
The course topics were prepared in a combined and integrated manner, taking into account not to repeat information in the lectures and laboratories of the different specializations in each part of the course, and include anatomy, physiology, pathology, pharmacology, biochemistry, and community medicine.

Courses Description

College: Medicine

Department:

Couse ID: 111501306 **Description:** Neurosciences(2)

Full Course Description: This course covers the study of the peripheral nervous system and special senses from the stand points of anatomy, histology and organization of the peripheral nervous system including nerves their motor and sensory functions in addition to the study of vision, hearing including its chemistry, receptors and neurotransmitters, and chemistry of vision. The course is concluded by covering the clinical aspects of disease that affect the special senses.