

Course Description Template for the subject | **Internal medicine**

University/College Name	AUIQ/ College of Medicine
Subject Name	Internal medicine
Academic Stage	Third Stage
Available Attendance Modes	Lecture and Discussion
Subject System	Yearly
Academic Year for Preparing this Description"	2023-2022

Internal Medicine

3rd stage

A. Theoretical teaching:

The total number of lectures is 60 which cover the following

1. common symptoms and signs in medicine as an introductory lectures, (10 Lec.)

Including common signs and symptoms of the cardiovascular system, respiratory system, gastrointestinal system, genitourinary system and central nervous system.

2. Clinical immunology (9 Lec.)

Functional anatomy & investigations of immune system, Innate & adaptive immune system, Immune deficiency, Inflammatory response, Autoimmune disorders, Allergic disorders, Anaphylaxis & angioedema, Transplantation & graft rejection.

3. Water and electrolyte disturbances: (9 Lec.)

Normal physiology, function of the nephron and water and electrolytes absorption, diuretics (classifications, side effects and diuretic resistance, Sodium disorders, Potassium disorders, calcium disorders, Magnesium and phosphate disorders, Acid base balance disorders, metabolic acidosis, Metabolic alkalosis, respiratory acidosis and respiratory alkalosis causes, clinical features, diagnosis and treatment.

4. Clinical genetic (5 Lec.)

Clinical application, classification, investigations, Autosomal disorders, X linked disorders, gene therapy.

5. Nutritional disorders; (10 lec.)

Energy balance, response to under and over weight, Summary of foods containing fat, proteins and carbohydrate, Obesity, Malnutrition, Malnutrition in hospital, Disease of micronutrient (Vitamins and minerals) – Vitamin A, Vitamin D, E, K, Water soluble vitamin (B1, B2, Nicotinic), Vitamin B6, B12, Folic acid and Vitamin C, Mention every vitamin with the source of it and disease result from its deficiency, Inorganic nutrient: Fluoride, copper, selenium, zinc, calcium, phosphate, iodine, Summary about inorganic nutrient and disease caused by deficiency and excess of each one.

6. Endemic and helminthic infections (17 Lec.)

Presenting problems in infectious diseases, presentations of fever, skin rash, lymphadenopathy and splenomegaly, Pyrexia of unknown etiology, Bacteremia and septicemia, Antimicrobial therapy, Antibiotics, antiviral, antifungal and antihelminth. Amoebiasis, Giardiasis, Malaria, Visceral Leishmaniasis, Cutaneous and mucosal Leishmaniasis, African and American Trypanosomiasis, Toxoplasmosis, Infections caused by helminthes, Classifications, Ancylostomiasis, pathology, clinical features, diagnosis and treatment, Ascariasis and Enterobiasis, clinical features,

diagnosis and treatment Schistosomiasis, pathology, clinical features, diagnosis, treatment and prevention, .

Taenia saginata, Taenia solium, cysticercosis and hydatid disease. **B. Clinical training:**

The clinical training hours are 60 hours. The training introduces the students in groups to the bedside in the wards to be familiar with hospital environments and to begin to approach problem oriented history taking and the general examination.