

Course Title:	Hematopoietic system-Immune system
Course Code:	HMIM-224
Program:	Bachelor of Medicine and Bachelor of Surgery (MBBS)
Department:	Basic Medical Sciences
College:	College of Medicine
Institution:	Al-Maarefa University

Course Identification

1. Credit hours: 6								
2. Course type								
a.	University	<input type="checkbox"/>	College	<input checked="" type="checkbox"/>	Department	<input type="checkbox"/>	Others	<input type="checkbox"/>
b.		Required	<input checked="" type="checkbox"/>	Elective	<input type="checkbox"/>			
3. Level/year at which this course is offered: Year 2 – Level 4								
4. Pre-requisites for this course (if any): ANA-214 – PHSL-215 – PATH-216 Blocks								
5. Co-requisites for this course (if any): None								

Course Objectives

1. Course Description

This course introduces students to human body systems as it represents the first integrated body system taught in basic medical sciences department. The course describes the anatomy, histologic features, and normal physiologic and biochemical processes of Hematopoietic-Lymphatic system, as well as the most important diseases associated with this body system considering the related clinical manifestations, the expected diagnostic Laboratory results and the therapeutic management of each disease. Medical Laboratories teaching the most important practical procedures which applied in hospitals and required for diagnosis of most common diseases of this body system.

2. Course Main Objective

This course is designed to:

- 1-Describe the Hematopoietic-Lymphatic system including anatomy and histologic features of lymphatic system and lymphoid organs, the normal process of blood cells and hemoglobin production, the normal coagulation process of blood, and the major components of immunity and immune cells interaction.
- 2-Recognize the most common abnormalities of Hematopoietic- Lymphatic system focusing on anemia, malignant tumors, coagulopathy, inherited diseases, autoimmune disorders, allergic diseases, immunodeficiency, and infectious diseases.
- 3- Outline the Laboratory investigations required for diagnosis of Hematopoietic- Lymphatic system diseases, and interpret of Laboratory results based on clinical manifestations of different diseases.
- 4-Recognize the therapeutic agents used in management of Hematopoietic-Lymphatic system disorders.