



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Allied Medical Sciences Department**

LM251 Introduction To Hematology - JNQF Level: 7

First Semester 2023-2024

**Course Catalog**

3 Credit Hours. The course will provide students with a background in blood and its components, specifically the formed cellular elements including erythrocytes, leukocytes, and thrombocytes. A detailed description of these elements will be provided with a major emphasis on their generation, structure, function, and metabolism. A considerable portion of the course will be focused on intensive specialized knowledge covering the laboratory procedures for enumeration, examination, and identification of blood cellular components.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Hematology: Clinical principles and applications
<b>Author(s)</b>	Bernadette F. Rodak, George A. Fritsma and Kathryn Doig
<b>Edition</b>	6th Edition
<b>Short Name</b>	Text book
<b>Other Information</b>	

**Instructor**

<b>Name</b>	<b>Prof. Nizar Abuharfil</b>
<b>Office Location</b>	PH1L1
<b>Office Hours</b>	Sun : 12:00 - 14:00 Mon : 10:00 - 11:30 Tue : 11:00 - 13:00 Wed : 10:00 - 11:00
<b>Email</b>	harfeil@just.edu.jo

**Class Schedule & Room**

Section 1:

Lecture Time: Mon, Wed : 14:30 - 15:30

Room: NB49

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Explain the hematopoiesis process, hematopoiesis ontogeny, and its regulatory mechanisms. [1SLO1][1L7K1]	20%	
Describe the structure, function, metabolism, and life cycle of cellular blood elements: erythrocytes, leukocytes, and thrombocytes. [1SLO1][1L7K1]	15%	
Experience and be familiar with the routine and specialized laboratory techniques for the evaluation of blood cells. [1SLO2][1L7S2]	25%	
Interpret and analyze obtained results from hematological techniques and implement these for quality control and quality assurance measures. [1SLO3][1L7C4]	20%	
Define the hemostatic system as a host defense mechanism and understand its regulation. [1SLO1][1L7K1]	20%	

Relationship to Program Student Outcomes (Out of 100%)											
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6	MSLO1	MSLO2	MSLO3	MSLO4	MSLO5	MSLO6
55	25	20									

Relationship to NQF Outcomes (Out of 100%)		
L7K1	L7S2	L7C4
55	25	20

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