



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

LM355 Diagnostic Hematopathology (1) Practical - JNQF Level: 7

First Semester 2023-2024

**Course Catalog**

1 Credit Hours. This course provides the students with routine and special laboratory tests for the differential diagnosis and follow-up of erythrocytic and hemostatic disorders including the morphological abnormalities that require microscopic examination through details of stained blood film and the correlation with other routine tests.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Rodak's Hematology Clinical Principles and Applications.
<b>Author(s)</b>	Elaine M.Keohane, Larry J.Smith , Jeanine M.Walenga.
<b>Edition</b>	5th Edition
<b>Short Name</b>	Ref #1
<b>Other Information</b>	Manual Handouts are available

**Instructor**

Name	<b>Mrs. Ruba Abedaljawad</b>
Office Location	-
Office Hours	
Email	reabdeljawad@just.edu.jo

**Class Schedule & Room**

Section 1:  
Lecture Time: Mon : 10:30 - 12:30  
Room: LAB M 6A

Section 2:  
Lecture Time: Mon : 12:30 - 14:30  
Room: LAB M 6A

Section 3:  
Lecture Time: Tue : 10:30 - 12:30  
Room: LAB M 6A

Section 4:  
Lecture Time: Tue : 12:30 - 14:30  
Room: LAB M 6A

Section 5:  
Lecture Time: Wed : 08:30 - 10:30  
Room: LAB M 6A

### Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Revision of Basic Hematology: Blood and its components and basic laboratory tests/Introduction to anemias and Bone marrow.	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 2	Microcytic Hypochromic anemias.	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 3	Thalassemia.	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 4	Thalassemia.	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 5	Sickle cell anemia.	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 6	Other types of Hemolytic anemias	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 7	Other types of Hemolytic anemias	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 8	Megaloblastic and Aplastic anemias.	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 9	Hemostasis and Coagulation tests.	<b>Manual Handouts</b> From <b>Ref #1</b>
Week 10	Other Coagulation tests and Hemostatic disorders	<b>Manual Handouts</b> From <b>Ref #1</b>

<b>Mapping of Course Outcomes to Program Outcomes and NQF Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
Understanding erythrocytic and hemostatic disorders with a major emphasis on their diagnostic approach which will be extensively described. [10SLO1] [10L7K1]	10%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Ability to interpret the laboratory findings including CBC. [10SLO2, 10SLO3] [10L7S1, 10L7S2]	20%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Ability to recognize morphological abnormalities of red blood cells and platelets that require microscopic examination through details of stained blood film. [10SLO2, 10SLO3] [10L7S1, 10L7S2]	20%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Ability to perform the special definitive assays and coagulation tests. [10SLO2, 10SLO3] [20L7C2]	20%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Applying Quality control and quality assurance measures to achieve a precise and accurate diagnosis of diseases with no or minimized errors and false results. [10SLO4] [10L7S3]	10%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Correlate between the results of the different diagnostic tests in order to help in the final diagnosis of diseases. [20SLO3] [20L7C4]	20%	Midterm exam, Final exam, Reports, Quizzes and Evaluation

<b>Relationship to Program Student Outcomes (Out of 100%)</b>											
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6	MSLO1	MSLO2	MSLO3	MSLO4	MSLO5	MSLO6
10	30	50	10								

<b>Relationship to NQF Outcomes (Out of 100%)</b>						
L7K1	L7S1	L7S2	L7S3	L7C2	L7C4	
10	20	20	10	20	20	

<b>Evaluation</b>	
<b>Assessment Tool</b>	<b>Weight</b>
Midterm exam	25%
Final exam	50%
Reports, Quizzes and Evaluation	25%

<b>Policy</b>	
Attendance policy	No points will be count for points attendance of this class, however attending the lectures will greatly enhance your grade. The student is responsible for any information discussed in lecture sessions. It is imperative to attend all classes! University regulations will be applied. Students are not allowed to be absent for more than 20% of lectures for any reason or excuse. If a student exceeds the absence limit, he or she will not be allowed to sit for future course exams. (Please review university regulation for more details).
Make-up Exam policy	Make-up exams is entitled for students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details)
Feedback	Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor using the e-mail or during office hours

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