



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

LM754 Advanced Diagnostic Hematology II

First Semester 2024-2025

**Course Catalog**

3 Credit Hours. This course is intended for students of the graduate program in Medical Laboratory Sciences. The course is designed to provide the students with advanced level knowledge and experience in haematopathological disorders and the major theme of the course is directed towards malignant disorders of blood cells. The course introduces the student to advanced concepts, knowledge and principles in the molecular and biochemical pathogenicity of malignant diseases and the clinical outcomes and prognostic features of these diseases. The laboratory diagnostic and prognostic approaches will be emphasized to provide the student with advanced techniques that aid in accurate and reliable diagnosis and prognosis of the disease. This includes flow cytometry, cytogenetic and epigenetic analysis ? etc. Students will be also familiarized with the quality control and quality assurance measures that are implemented to achieve sufficient management of diagnostic laboratories.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Clinical Laboratory Hematology
<b>Author(s)</b>	Shirlyn B. McKenzie
<b>Edition</b>	2nd Edition
<b>Short Name</b>	1
<b>Other Information</b>	ISBN-10: 0135137322

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
2	Rodak's Hematology, Clinical principle and application	Bernadette F. Rodak, George A. Fritsma and Kathryn Doig	6th Edition	
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**Instructor**

Name	<b>Dr. Mohammad Bani Ahmad</b>
Office Location	M5 L-1 Room 8
Office Hours	Sun : 12:00 - 13:00 Mon : 12:30 - 14:00 Tue : 12:00 - 13:30 Wed : 12:00 - 13:00 Thu : 11:00 - 12:00
Email	mabaniahmad@just.edu.jo

<b>Class Schedule &amp; Room</b>
Section 1: Lecture Time: Wed : 13:00 - 16:00 Room: M3303

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

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