



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

LM742 Advanced Clinical Immunology - JNQF Level: 9

First Semester 2025-2026

Course Catalog

2 Credit Hours. This course is designed to introduce students to the role of the immune system in human health and disease. It will provide an overview of the immune system, immune responses to infections, and diseases caused by inappropriate immune reactions. Additionally, the course will cover immune manipulation, transplantation, and techniques used in clinical immunology laboratories.

Teaching Method: Blended

Text Book

Title	Cellular and Molecular Immunology
Author(s)	Abbas, Lichtman and Pillai
Edition	10th Edition
Short Name	Text book
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref 1	Janeway's Immunobiology	Murphy, Weaver, and Berg	10th Edition	
Ref 2	Clinical immunology and serology : a laboratory perspective	Linda E. Miller, Christine Dorresteyn Stevens.	5th Edition	
Ref 3	Clinical Immunology: Principles and Practice	Robert R. Rich, Thomas A. Fleisher, Harry W. Schroeder Jr., Cornelia M. Weyand, David B. Corry, Jennifer M. Puck	6th Edition	

Instructor

Name	Dr. Hassan Kofahi
Office Location	M6 L0
Office Hours	
Email	hmkofahi@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun : 14:30 - 15:30 Room: U

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3, 4	Overview of immune responses	From Text book
Weeks 5, 6, 7	Immunity to microbes	From Text book
Weeks 7, 8	Immunologic Tolerance and Autoimmunity	From Text book
Weeks 9, 10	Hypersensitivity Disorders	From Text book
Weeks 11, 12	Allergy	From Text book
Weeks 12, 13	Immune Manipulation	From Text book
Weeks 14, 15	Transplantation	From Text book
Week 16	Techniques in Clinical Immunology	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Explain the components and functions of the immune system [1L9K1]	20%	
Describe the main immunological disorders and their related clinical manifestations. [1L9K2]	25%	
Examine clinical case scenarios and conclude potential diagnoses and outcomes. [1L9S2]	15%	
Evaluate the protocol, interpretation, and diagnostic value of current immunological techniques. [1L9S1]	10%	
Evaluate the immunological therapeutic approaches and their potential future applications and developments. [1L9S3]	5%	
Present recent research articles in clinical immunology and critique the data presented in these articles. [1L9C6]	15%	
Implement basic immunological knowledge to explain the etiology and pathogenesis of immunological disorders. [1L9S2]	10%	

Relationship to NQF Outcomes (Out of 100%)					
L9K1	L9K2	L9S1	L9S2	L9S3	L9C6
20	25	10	25	5	15

Evaluation	
Assessment Tool	Weight
Quizzes	20%
Presentations	10%
Research article discussion	20%
Final exam	50%

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