



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

LM233 Immunology - JNQF Level: 7

Second Semester 2025-2026

Course Catalog

2 Credit Hours. This course explores the fundamental concepts, components, and principles of the immune system. It examines the development and key elements of both innate and adaptive immunity, as well as the mechanisms by which the body defends itself against microorganisms. The course also addresses immune system disorders and their roles in autoimmunity and hypersensitivity.

Teaching Method: Blended

Text Book

Title	Basic Immunology: Functions and Disorders of the Immune System
Author(s)	Abbas, Lichtman and Pillai
Edition	7th Edition
Short Name	Text book
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref 1	Immunology: A Short Course	Richard Coico	8th Edition	
Ref 2	Cellular and Molecular Immunology	Abul K. Abbas, Andrew H. Lichtman, Shiv Pillai, Sarah Henrickson	11th Edition	
Ref 3	Kuby Immunology	Jenni Punt, Sharon Stranford, Patricia Jones, Judy Owen	8th Edition	
Ref 4	Janeway's Immunobiology	Kenneth M. Murphy, Casey Weaver, Leslie J. Berg	10th Edition	

Instructor

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

Class Schedule & Room
Section 1: Lecture Time: Tue : 12:00 - 13:00 Room: NB49

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3, 4	INTRODUCTION TO THE IMMUNE SYSTEM	From Text book
Weeks 1, 2, 3, 4	INNATE IMMUNITY	From Text book
Weeks 5, 6	ANTIGEN CAPTURE AND PRESENTATION TO LYMPHOCYTES	From Text book
Weeks 5, 6	ANTIGEN RECOGNITION IN THE ADAPTIVE IMMUNE SYSTEM	From Text book
Weeks 7, 8	T CELL MEDIATED IMMUNITY	From Text book
Weeks 7, 8	EFFECTOR MECHANISMS OF T CELL MEDIATED IMMUNITY	From Text book
Weeks 9, 10	HUMORAL IMMUNE RESPONSES	From Text book
Weeks 9, 10	EFFECTOR MECHANISMS OF HUMORAL IMMUNITY	From Text book
Weeks 11, 12	IMMUNOLOGICAL TOLERANCE AND AUTOIMMUNITY	From Text book
Weeks 13, 14	HYPERSENSITIVITY	From Text book

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Define the basic concepts and terminology in immunology. [1SLO1] [1L7K1]	10%	
Compare the different effector functions of the immune system [1SLO1] [1L7K1]	25%	
Identify the types and components of the innate and adaptive immunity. [1SLO1] [1L7K1]	20%	
Explain the mechanisms of the initiation, progression, and control of the immune responses. [1SLO1] [1L7K1]	25%	
Use the basic immunological knowledge to explain the principles of immunological applications and disorders. [1SLO2] [1L7C4]	20%	

Relationship to Program Student Outcomes (Out of 100%)											
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6	MSLO1	MSLO2	MSLO3	MSLO4	MSLO5	MSLO6
80	20										

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7C4
80	20

Policy	
Attendance Policy	Students are expected to attend at least 80% of lectures.
Missed Exam Policy	Students who miss the first or second exam without a legitimate excuse will automatically receive 0 points for that exam. Those who miss the final exam will receive an 'incomplete' result for the course. Only students with legitimate excuses will be permitted to make up missed exams. It is the student's responsibility to promptly initiate the excuse acceptance process in accordance with university regulations and to contact the course instructor to schedule the makeup exam.

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