



In the name of GOD

Immunology Department, School of Medicine,
Iran University of Medical Sciences
First Semester of 1402-1403 (2024)

Head of Department: Dr. Falak
Course Coordinator: Dr. Majid Khoshmirsafa

Theoretical Immunology Course (credit 1.8)
Medical students

Schedule Time: Sunday & Monday 10-12

No	Date			Title	Teacher
1	Feb, 16, 2025	1403/11/28	Sun 10-12	Introduction to the Immune System: Innate and Adaptive immunity	Dr. Falak
2	Feb, 17, 2025	1403/11/29	Mon 10-12	Cells and Tissues of the Immune System	Dr. Mojtavavi
3	Feb, 23, 2025	1403/12/05	Sun 10-12	Antibodies (Structure and Function)	Dr. Falak
4	Feb, 24, 2025	1403/12/06	Mon 10-12	Immunogens and Antigens	Dr. Falak
5	Mar, 02, 2025	1403/12/12	Sun 10-12	Antigen-Antibody reactions and their application in the Laboratory diagnosis	Dr. Delbandi
6	Mar, 03, 2025	1403/12/13	Mon 10-12	Innate Immunity 1: Cells and Receptors	Dr. Mirsafa
7	Apr, 06, 2025	1404/01/17	Sun 10-12	Innate immunity 2: inflammation, phagocytosis, adhesion molecules and migration	Dr. Mirsafa
8	Apr, 07, 2025	1404/01/18	Mon 10-12	Major Histocompatibility Complex molecules and Antigen Presentation to T cells	Dr. Mirsafa
9	Apr, 13, 202	1404/01/24	Sun 10-12	The Complement System	Dr. Assarehzadegan
10	Apr, 14, 202	1404/01/25	Mon 10-12	B cell Biology & Development	Dr. Delbandi
11	Apr, 20, 2025	1404/01/31	Sun 10-12	B cell activation & function	Dr. Delbandi
12	Apr, 21, 2025	1404/02/01	Mon 10-12	T cell Biology & Development	Dr. Safari
13	Apr, 27 2025	1404/02/07	Sun 10-12	T cell activation & function	Dr. Safari
14	Apr, 28, 2025	1404/02/08	Mon 10-12	Immunologic Tolerance	Dr. Mojtavavi
15	May, 04, 2025	1404/02/14	Sun 10-12	Immunity at Epithelial Barriers and in Immune Privileged Tissues	Dr. Jazayeri
16	Exam				

References:

1. **Basic Immunology: Functions and Disorders of the Immune System**, 6th e. 2019 by Abul K. Abbas and Andrew H. H. Lichtman
2. **Cellular and Molecular Immunology**, 10th e. 2021 by Abul K. Abbas and Andrew H. H. Lichtman
3. **Immunology for medical students**. 3 e. 2017. Matthew Helbert

✓ **Student assessment method:**

- Multi-choice exam.
- Practice

Practical Immunology Course (0.2 Unit)

Medical students

Schedule Time: Sunday & Monday 10-12

Practical immunology			
Session	Date	Title	Teacher
1	1404/02/15	Agglutination reactions (application and interpretation of the test)	Dr. Falak/Dr.Najafi
	May, 05, 2025		
2	1404/02/21	Hemagglutination reactions (application and interpretation of the test)	Dr. Mirsafa/Dr. Mogtabavi/ Mrs.Baghernejad
	May,11, 2025		
3	1404/02/22	Precipitation reaction (application and interpretation of the test)/ Skin prick test (SPT) and PPD test	Dr. Delbandi/ Dr. Assarehzadegan Mr.Abdian
	May, 12, 2025		
4	1404/02/28	Labeled Immunoassay (ELISA, chemiluminescence, Immunofluorescence and flow cytometry)	Dr. Safari /Dr.Jazayeri Mrs. Malekpour
	May, 18, 2025		
		Exam	

References:

Clinical Immunology and Serology: A Laboratory Perspective. 5th e. 2021.
By Christine Dorresteyn Stevens; Linda E Miller

✓ **Student assessment method:**

- Multi-choice exam.
- Practice

