



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**  
Medical students (credit 1.8)

Schedule Time: Sunday & Monday 10-12

No	Date			Title	Teacher
1	Mar, 01, 2026	1404/12/10	Sun 10-12	Introduction to the Immune System: Innate and Adaptive immunity	Dr. Falak
2	Mar, 02, 2026	1404/12/11	Mon 10-12	Cells and Tissues of the Immune System	Dr. Mojtabavi
3	Mar, 08, 2026	1404/12/17	Sun 10-12	Antibodies (Structure and Function)	Dr. Falak
4	Mar, 09, 2026	1404/12/18	Mon 10-12	Immunogens and Antigens	Dr. Falak
5	Apr, 05, 2026	1405/01/16	Sun 10-12	Antigen-Antibody reactions and their application in the Laboratory diagnosis	Dr. Delbandi
6	Apr, 06, 2026	1405/01/17	Mon 10-12	Innate Immunity 1: Cells and Receptors	Dr. Mirsafa
7	Apr, 12, 2026	1405/01/23	Sun 10-12	Innate immunity 2: inflammation, phagocytosis, adhesion molecules and migration	Dr. Mirsafa
8	Apr, 13, 2026	1405/01/24	Mon 10-12	Major Histocompatibility Complex molecules and Antigen Presentation to T cells	Dr. Mirsafa
9	Apr, 19, 2026	1405/01/30	Sun 10-12	The Complement System	Dr. Assarehzadegan
10	Apr, 20, 2026	1405/01/31	Mon 10-12	B cell Biology & Development	Dr. Delbandi
11	Apr, 26, 2025	1405/02/06	Sun 10-12	B cell activation & function	Dr. Delbandi
12	Apr, 27, 2025	1405/02/07	Mon 10-12	T cell Biology & Development	Dr. Safari
13	May, 03, 2026	1405/02/13	Sun 10-12	T cell activation & function	Dr. Safari
14	May, 04, 2026	1405/02/14	Mon 10-12	Immunologic Tolerance	Dr. Mojtabavi
15	May, 10, 2026	1405/02/20	Sun 10-12	Immunity at Epithelial Barriers and in Immune Privileged Tissues	Dr. Jazayeri
16	<b>Exam</b>				

## References:

1. **Basic Immunology: Functions and Disorders of the Immune System, 6<sup>th</sup> e. 2019** by Abul K. Abbas and Andrew H. H. Lichtman
2. **Cellular and Molecular Immunology, 10<sup>th</sup> 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**

<b>Practical immunology</b>			
<b>Session</b>	<b>Date</b>	<b>Title</b>	<b>Teacher</b>
<b>1</b>	<i>1405/02/21</i>	Agglutination reactions (application and interpretation of the test)	<b>Dr.Najafi</b>
	<i>May, 11, 2026</i>		
<b>2</b>	<i>1405/02/27</i>	Hemagglutination reactions (application and interpretation of the test)	<b>Dr. Mirsafa/ Mr. Farahani</b>
	<i>May,17, 2026</i>		
<b>3</b>	<i>1405/02/28</i>	Precipitation reaction (application and interpretation of the test)/ Skin prick test (SPT) and PPD test	<b>Dr.Najafi/</b>
	<i>May, 18, 2026</i>		
<b>4</b>	<i>1405/03/03</i>	Labeled Immunoassay (ELISA, chemiluminescence, Immunofluorescence and flow cytometry)	<b>Dr.Najafi</b>
	<i>May, 24, 2026</i>		
		<b>Exam</b>	

## 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**