



In the name of GOD

Immunology Department, School of Medicine,  
Iran University of Medical Sciences  
First Semester of 1401-1402 (2022)

Head of Department: Dr. Falak  
Course Coordinator: Dr. Safari

**Theoretical Immunology Course (credit 1.8)**  
**Medical students**

Schedule Time: Monday 10-12 & Wednesday 8-10

Date		Title	Teacher
<b>Part 1: Basic Immunology</b>			
9/19/2022	<b>Persian</b> 1401/6/28	1. Introduction to the Immune System: Innate and Adaptive immunity	Dr. Falak
9/21/2022	1401/6/30	2. Cells and Tissues of the Immune System	Dr. Mojtabavi
10/3/2022	1401/7/11	3. Antigens & Antibodies	Dr. Falak
10/10/2022	1401/7/18	4. Antigen-Antibody reactions and their application in the diagnosis of diseases	Dr. Mirsafa
10/12/2022	1401/7/20	5. Innate Immunity	Dr. Delbandi
10/17/2022	1401/7/25	6. Major Histocompatibility Complex molecules and Antigen Presentation to T cells	Dr. Mirsafa
10/19/2022	1401/7/27	7. B cell Biology & Development	Dr. Delbandi
10/24/2022	1401/8/2	8. B cell activation & function	Dr. Delbandi
10/26/2022	1401/8/4	9. T cell Biology & Development	Dr. Safari
10/31/2022	1401/8/9	10. T cell activation & function	Dr. Safari
11/2/2022	1401/8/11	11. Immunologic Tolerance	Dr. Mojtabavi
11/7/2022	1401/8/16	12. Immunity at Epithelial Barriers and in Immune Privileged Tissues	Dr. Jazayeri
11/9/2022	1401/8/18	13. The Complement System	Dr. Assarehzadegan
		<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**  
**Medical students**

**Schedule Time: Sundays 13-15**

<b>Practical immunology (0.2 unit)</b>			
<b>Session</b>	<b>Date</b>	<b>Title</b>	<b>Teacher</b>
1	1401/8/8 10/30/2022	Agglutination reactions (application and interpretation of the test)	Dr. Falak
2	1401/8/15 11/6/2022	Hemagglutination reactions (application and interpretation of the test)	Dr. Mirsafa
3	1401/8/22 11/13/2022	Precipitation reaction (application and interpretation of the test)	Dr. Delbandi
4	1401/8/29 11/20/2022	Labeled immunoassay (ELISA and chemiluminescence)	Dr. Safari
5	1401/9/6 11/27/2022	Immunofluorescence and flow cytometry	Dr. Jazayeri
6	1401/9/13 12/4/2022	Skin prick test (SPT) and PPD test	Dr. Assarehzadegan
		<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**