



School of Medicine
Department of Immunology

Medical Immunology	
Course code and type	Course code: 131- Basic science/Clinical introduction
Type and number of units	8 practical hours (total 38 hours)
Prerequisite courses	Does not have
Contacts	MBBS Medical students
Lesson presentation time	Saturday 13 to 17
Place of classes:	School of Medicine, Immunology Lab
Course leader:	Dr. Mahdi Shabani
Contact information of the course instructor	mshabani@sbmu.ac.ir
Direct phone number of immunology department	+98-21-224339970 extension 2545
The date of the final exam:	
Lesson resources:	<ul style="list-style-type: none"> • McPherson R, Pincus M. Henry's Clinical Diagnosis and Management by Laboratory Methods. Publisher: Elsevier-Saunders; 2016. • Johnstone AP, Thorpe R. Immunochemistry in Practice. Publisher: Wiley-Blackwell. 3rd edition; 1996.
Description:	Comprehensive evaluation method: Conducting a written exam at the end of the semester using four-choice questions.

List of topics, calendar and lecturers

No.	Topic	Day	Time	Date	Lecturer
1	Introduction of serology method and techniques -Introduction of immunology laboratory tests	Saturday	Group 1: 12:30-15:30	9 November / 19 Aban	Dr. Hashemi
2	- Basics of tube agglutination tests - Serological diagnoses of infectious diseases including Wright/Vidal - Wright test	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16 subgroup 3: 16-17	16 November / 26 Aban	Dr. Yegane
3	-Types of slide agglutination reactions - CRP test	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16	23 November / 3 Azar	Dr. Mollahosseini
4	-Basics of direct and indirect grouping tests of the ABO blood group	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16	30 November / 10 Azar	Dr. Hashemi
5	The theoretical basics of the ELISA technique - Types of ELISA methods and their application	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16	7 December / 17 Azar	Dr. Shabani
6	Introduction of serology method and techniques -Introduction of immunology laboratory tests	Saturday	Group 2: 12:30-15:30	14 December / 24 Azar	Dr. Hashemi
7	- Basics of tube agglutination tests - Serological diagnoses of infectious diseases including Wright/Vidal - Wright test	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16 subgroup 3: 16-17	21 December / 1 Dey	Dr. Yegane



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8	-Types of slide agglutination reactions - CRP test	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16	28 December / 8 Dey	Dr. Mollahosseini
9	-Basics of direct and indirect grouping tests of the ABO blood group	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16	4 January / 15 Dey	Dr. Hashemi
10	The theoretical basics of the ELISA technique - Types of ELISA methods and their application	Saturday	Prelab All: 13-14 subgroup 1: 14-15 subgroup 2: 15-16	11 January / 22 Dey	Dr. Shabani

