



**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	Monday 12:30 to 15:30
Place of classes:	School of Medicine
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"> <li>• McPherson R, Pincus M. Henry's Clinical Diagnosis and Management by Laboratory Methods. Publisher: Elsevier-Saunders; 2016.</li> <li>• Johnstone AP, Thorpe R. Immunochemistry in Practice. Publisher: Wiley-Blackwell. 3rd edition; 1996.</li> </ul>
Description:	<b>Comprehensive evaluation method:</b> 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	Monday	All groups: 12:30-15:30	22 April/03 Ordibehesht	Dr. Hashemi
2	- Basics of tube agglutination tests - Serological diagnoses of infectious diseases including Wright/Vidal - Wright test	Monday	Prelab: 12:30-13:30 Group 1: 13:30-14:30 Group 2: 14:30-15:30	29 April/10 Ordibehesht	Dr. Yegane
3	-Types of slide agglutination reactions - CRP test	Monday	Prelab: 12:30-13:30 Group 1: 13:30-14:30 Group 2: 14:30-15:30	06 May/17 Ordibehesht	Dr. Mollahosseini
4	-Basics of direct and indirect grouping tests of the ABO blood group	Monday	Prelab: 12:30-13:30 Group 1: 13:30-14:30 Group 2: 14:30-15:30	13May/24 Ordibehesht	Dr. Hashemi
5	The theoretical basics of the ELISA technique - Types of ELISA methods and their application	Monday	Prelab: 12:30-13:30 Group 1: 13:30-14:30 Group 2: 14:30-15:30	20May/31 Ordibehesht	Dr. Shabani