PLAN OF PRACTICAL LESSONS

of microbiology, virology and immunology for 2nd year students of Faculty of Foreign Students in spring term of 2024/2025 academic year

Date	Nº of	Practical lesson topic
Date	lesson	i ractical lesson topic
10-15	1	The main marphological groups of migrographisms. Marphology
	ı	The main morphological groups of microorganisms. Morphology
february		and ultractructure of bacterial cell.
17-22	2	Research methods of bacterial morphology. Microscopical method
february		of investigation.
24 february- 1	3	Morphology of Spirochetes, Actinomycetes, Rickettsia, Chlamydia,
march		and Mycoplasma.
3-8 march	4	Physiology of microorganisms. Bacteriological (cultural) method of investigation.
10-15 march	5	Biochemical properties of microorganisms. Identification methods of
		pure cultures for aerobic and anaerobic bacteria. Bacteriophages.
17-22 march	6	Genetics of microorganisms.
24-29 march	7	Microbiological bases of chemotherapy for the bacterial infections.
		Antiseptics.
31 march-5	8	Conclusive lesson on sections "Morphology, physiology and
april		genetics of microorganisms".
7-12 april	9	Ecology of microbes. Infection. Pathogenic microorganisms. Toxins
·		of microbes. Biological (experimental) method of investigation.
14-19 april	10	Immunocompetent organs and cells. Cytokines
21-26 april	11	B-lymphocytes. Antibody-mediated (humoral) immune response.
28 april- 3	12	T-lymphocytes. Cell-mediated immune response. Immunological
may		diagnostic methods of infectious diseases.
5-10 may	13	Serological reactions with complement participation. Serological
		reactions with use of labeled components
12-17 may	14	Allergy. Diagnostic methods of allergic diseases.
		Immunoprophylaxis and imunotherapy of infectious diseases.
19-24 may	15	
		The foundations of clinical immunology. Immunodeficiencies.
		Autoimmune diseases. Graft-specific and antitumoral immunity.
26-31 may	16	Conclusive lesson on sections "General infectology.
		Theoretical and applied medical immunology".
2-7 june	17	Gram-positive cocci. Microbiological diagnostics of diseases
_ / ,		caused by staphylo- and streptococci. Gram-negative cocci.
		Microbiological diagnostics of diseases caused by Neisseria.
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