

PLAN OF PRACTICAL LESSONS
of microbiology, virology and immunology
for 2nd year students of Faculty of Foreign Students
in spring term of 2023/2024 academic year

Date	No of lesson	Practical lesson topic
12-17 february	1	The main morphological groups of microorganisms. Morphology and ultrastructure of bacterial cell.
19-24 february	2	Research methods of bacterial morphology. Microscopical method of investigation.
26 february- 2 march	3	Morphology of Spirochetes, Actinomycetes, Rickettsia, Chlamydia, and Mycoplasma.
4-9 march	4	Physiology of microorganisms. Bacteriological (cultural) method of investigation.
11-16 march	5	Biochemical properties of microorganisms. Identification methods of pure cultures for aerobic and anaerobic bacteria. Bacteriophages.
18-23 march	6	Genetics of microorganisms.
25-30 march	7	Microbiological bases of chemotherapy for the bacterial infections. Antiseptics.
1-6 april	8	Conclusive lesson on sections "Morphology, physiology and genetics of microorganisms".
8-13 april	9	Ecology of microbes. Infection. Pathogenic microorganisms. Toxins of microbes. Biological (experimental) method of investigation.
8-13 april	10	Immunocompetent organs and cells. Cytokines
22-27 april	11	B-lymphocytes. Antibody-mediated (humoral) immune response.
29 april- 4 may	12	T-lymphocytes. Cell-mediated immune response. Immunological diagnostic methods of infectious diseases.
6-11 may	13	Serological reactions with complement participation. Serological reactions with use of labeled components
13-18 may	14	Allergy. Diagnostic methods of allergic diseases. Immunoprophylaxis and immunotherapy of infectious diseases.
20-25 may	15	The foundations of clinical immunology. Immunodeficiencies. Autoimmune diseases. Graft-specific and antitumoral immunity.
27 may - 1 june	16	Conclusive lesson on sections "General infectology. Theoretical and applied medical immunology".
3-8 june	17	Gram-positive cocci. Microbiological diagnostics of diseases caused by staphylo- and streptococci. Gram-negative cocci. Microbiological diagnostics of diseases caused by Neisseria.

Head of the department

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