

**Thematic lesson plan of lecture type  
in the discipline "Microbiology, Virology"  
for students entered 2023  
according to the educational program  
05.31.01 General medicine,  
profile General Medicine  
(specialty),  
Full-time form of education  
2024-2025 academic year.**

№	Lecture-type topics	Hours (academic)
1 semester		
1.	Microbiology as a science, stages of development of microbiology. Prokaryotic cell structure.	2
2.	Physiology of microorganisms.	2
3.	Morphology and physiology of viruses.	2
4.	Ecology of microorganisms and sanitary microbiology.	2
5.	The doctrine about antibiotics.	2
6.	The doctrine about infectious process.	2
7.	The doctrine of immunity.	2
2 semester		
8.	General characteristics of acute intestinal infections and causative agents of bacterial intestinal infections.	2
9.	Pathogenic cocci. Staphylococci, streptococci, meningococci and gonococci - comparative characteristics. Diseases caused by pathogenic cocci. Microbiological diagnostics, specific prevention.	2
10.	Causative agents of airborne infections. The causative agents of diphtheria and tuberculosis. Microbiological characteristics, etiopathogenesis of diseases, laboratory diagnostics, specific prevention and therapy.	2
11.	Causative agents of highly dangerous zoonothroponozal infections. The causative agents of plague, anthrax, brucellosis and tularemia. Biological properties, microbiological diagnostics, specific prevention and treatment.	2
12.	The causative agents of spirochetosis - syphilis, leptospirosis, borreliosis. Microbiological characterization. Laboratory diagnostics.	2
13.	Viruses are the causative agents of acute respiratory viral infections (ARVI). General and comparative	2

	characteristics.	
14.	Viruses, pathogens of hepatitis - general and comparative characteristics. Laboratory diagnostics.	2
15.	Viruses, causative agents of HIV infection (AIDS). Microbiological characterization. Laboratory diagnostics.	2
16.	Итого	14

Рассмотрено на заседании кафедры микробиологии, вирусологии, иммунологии с курсом клинической микробиологии «26» августа 2024г., протокол №1

Заведующий кафедрой



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