

«Approved»
 Head of department
 microbiology, virology, immunology with a
 course of clinical microbiology
 Stepanenko I.S.

Protocol № 10 от 30.01.2024.

**Calendar-thematic lesson plan of seminary type
 in the discipline "Microbiology, Virology"
 for students in the educational program
 specialist in the specialty 31.05.01 General Medicine,
 focus (profile) General Medicine,
 Full-time form of education
 for 2023-2024 academic year
 (2nd course IV semester)**

End of semester – 29.05.2023

№	Thematic blocks	Hours (academic)
1 07.02-10.02	Introduction to particular medical microbiology. Methods for diagnosing infectious diseases. General characteristics of acute intestinal infections and pathogens of bacterial intestinal infections. Causative agents of escherichiosis - taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and non-specific therapy and prevention.	3
2 12.02-17-02	Salmonella typhoid and paratyphoid A and B and pathogens of salmonellosis. Shigella, the causative agent of dysentery. Taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors of pathogens, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention.	3
3 19.02-24.02	Microorganisms that cause cholera. Taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention.	3
4 26.02-02.03	Concluding session: «Causative agents of acute intestinal infections»	3
5 04.03-09.03	Pathogenic gram-positive cocci - staphylococci, streptococci, pneumococci. Pathogenic gram-negative cocci are meningococci and gonococci. Taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention.	3
6 11.03-16.03	Causative agents of bacterial airborne infections. The causative agents of diphtheria and whooping cough. Corynebacteria and Bordetella - taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention.	3
7 18.03-23.03	Pathogenic mycobacteria. The causative agents of tuberculosis and leprosy - taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention.	3
8 25.03-30.03	Concluding session: «Pathogenic cocci. Microorganisms, causative agents of airborne infections»	3
9 01.04-06.04	Highly dangerous zoonothroponozal infections: causative agents of plague, anthrax, tularemia and brucellosis - taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention.	3
10 08.04-13.04	Causative agents of anaerobic infections: tetanus, botulism, gas gangrene. Clostridia - taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and non-specific therapy and prevention.	3

11 15.04-20.04	Microorganisms, pathogens of spirochetosis: syphilis, leptospirosis, borreliosis. <i>Leptospira</i> , <i>borrelia</i> , <i>treponema</i> - taxonomy, morphology, cultivation, biochemical properties, antigenic structure, pathogenicity factors, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention.	3
12 22.04-27.04	Concluding session: «Microorganisms, causative agents of highly dangerous infections. Pathogenic anaerobes. Microorganisms, causative agents of spirochetosis»	3
13 29.04-04.05	Viruses are the causative agents of human infectious diseases. Virological research method. The causative agents of acute respiratory viral infections (ARVI). Viruses, pathogens of influenza, parainfluenza, respiratory syncytial virus, coronaviruses, adenoviruses and other pathogens of acute respiratory viral infections, measles, rubella, mumps virus - taxonomy, morphology, cultivation, antigenic structure, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention. <i>Herpesviridae</i> family.	3
14 06.05-11.05	Neuroviruses, causative agents of poliomyelitis, tick-borne encephalitis and rabies. Taxonomy, morphology, cultivation, antigenic structure of pathogens, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention. Viruses, causative agents of enterovirus infections: Coxsackie and ECHO viruses. Viruses, causative agents of viral hepatitis.	3
15 13.05-18.05	Viruses, causative agents of HIV infection. Taxonomy, morphology, cultivation, antigenic structure of pathogens, epidemiology and pathogenesis of diseases, diagnostic methods, specific and nonspecific therapy and prevention. Oncogenic viruses. Concluding session: «Particular virology»	3