Approved by
Head of the Microbiology Department,
Professor Stepanenko I.S.

by protocol №1, 26. 08. 2024

Syllabus of lectures

in «Microbiology» for the 2nd year students within

English-speaking medium for the 3rd term for Pharmacy Faculty

№	Theme	Lecturer	Time
1	General characteristics of the Family Enterobacteriaceae. Escherichia coli: morphological, cultural, biochemical and antigenic properties. Epidemiology, pathogenesis and clinical syndromes. Laboratory diagnosis, treatment and prophylaxis. Causative agents of bacterial dysentery (Shigella spp.): microbiological characteristics, epidemiology, pathogenesis, laboratory diagnosis, treatment and prophylaxis	PhD Mikhailova L.V.	2h 10:20 – 12:00 02.09 room № 1
2	Causative agents of typhoid and paratyphoid fever, Salmonella-food-poisonings (Salmonella spp.): microbiological characteristics, epidemiology, pathogenesis, laboratory diagnosis, treatment and prophylaxis	PhD Mikhailova L.V.	2h 09.09
3	Clinical microbiology. Clinical specimen. Main methods of microbiological diagnosis. Staphylococci, Streptococci, Pneumococcus, Meningococcus, Gonococcus: biological properties, factors of pathogenicity, laboratory diagnosis, treatment and prophylaxis.	PhD Mikhailova L.V.	2h 16.09
4	Causative agents of diphtheria and whooping cough: biological properties, factors of pathogenicity, clinical forms of diseases, laboratory diagnosis, treatment and prophylaxis.	PhD Mikhailova L.V.	2h 23.09
5	Anthrax. Plaque. Tularemia. Brucellosis: biological properties, factors of pathogenicity, clinical forms of diseases, laboratory diagnosis, treatment and prophylaxis.	PhD Mikhailova L.V.	2h 30.09
6	Anaerobic infections: gas gangrene, tetanus, botulism. Microbiological characteristics, laboratory diagnosis, treatment and prevention.	PhD Mikhailova L.V.	2h 07.10
7	Medical Virology. Orthomyxoviruses. Paramyxoviruses. Adenoviruses. Herpesviruses.	PhD Mikhailova L.V.	2h 14.10

8	Viral hepatitis: HAV, HEV, HBV, HCV, HDV. Human immunodeficiency virus: taxonomy, biological properties, replication cycle, antigens, laboratory diagnosis.	PhD Mikhailova L.V.	2h 21.10