Speciality “General Medicine”

ACADEMIC DISCIPLINE “EPIDEMIOLOGY”
of the Medical and Preventive Module

Academic discipline outline	"Epidemiology" is an academic discipline containing systematized scientific knowledge about the epidemic process, methods of studying it, anti-epidemic measures, and their implementation for the purpose of preventing infectious diseases, reducing the incidence of infectious diseases in the population, and eliminating certain infections.
Resulting skills	Basic professional competence: to apply knowledge of the patterns of the epidemic process, methods for studying it, immunoprophylaxis of infectious diseases, and the principles of epidemiological investigation of infectious disease outbreaks; to organize preventive and sanitary-anti-epidemic measures for intestinal, airborne infections, and infections with a predominantly parenteral transmission mechanism.
Learning outcomes	A student must: **know:** the basic concepts of epidemiology: the epidemic process, the source of infection, the mechanism of transmission, routes of transmission, transmission factors, and the epidemic focus; modern theory of the epidemic process; the main groups of sanitary and anti-epidemic measures; the factors, mechanisms of development, and manifestations of the epidemic process; the main sanitary and anti-epidemic measures for certain intestinal, aerosol, transmissible, and parenteral infections; a general description of the main groups of disinfectants and antiseptics, methods and types of disinfection and sterilization, rules of hand hygiene, asepsis, and antisepsis; the fundamentals of immunoprophylaxis of infectious diseases; the fundamentals of the epidemiology of infections associated with healthcare; **be able to:** epidemiologically justify programs for the prevention of infectious and non-infectious diseases in the population; organize prophylactic vaccinations using various immunobiological drugs and regimens; substantiate and organize disinfection and sterilization

	measures depending on the epidemiological characteristics of the infection; conduct primary sanitary and anti-epidemic measures for various infectious diseases; conduct medical prophylaxis of infectious diseases with various transmission mechanisms; **master:** methods of medical prophylaxis for current infectious diseases; methods of disinfection and sterilization of medical devices; hand hygiene skills.
Semester(s)	5 semesters
Prerequisite	General hygiene Microbiology, virology, immunology
Credit value	3 credits
Academic hours	108 academic hours, of which: 48 class hours
Forms of midterm attestation	Test