

Summary of discipline
"EPIDEMIOLOGY and BIOSAFETY"

according to the Standard of higher education of the second (master's) level
field of knowledge 22 "Health Care"
specialty 222 "Medicine"
educational program - Master of medicine

The Study program in the discipline "Epidemiology and biosafety" for the training of applicants of the second (master's) level of higher education in the specialty 222 "Medicine" of the field of knowledge 22 "Health care" is compiled in accordance with the Educational and professional program 222 "Medicine" of the second (master's) level of higher education in the field of knowledge 22 "Health care", on the basis of the Order of Danylo Halytsky LNMU № 1053-z dated 03.24.2023 "On the implementation of the training plan for applicants of the second (master's) level of higher education in specialty 222" Medicine" (5th year of study)" and Regulations on the organization of the educational process at Danylo Halytsky LNMU, approved by the Academic Council and approved by the order of the Rector of the University № 2020-z dated 06.23.2021.

The organization of the educational process is carried out according to the credit-transfer system ECTS, which is based on a combination of modular learning technologies and assessment credits - units of measurement of the master's study load required for mastering the module. The study of the discipline "Epidemiology, Biosafety" is carried out during the 5th year of study and lays the foundations for the formation of masters' competencies that are determined by ultimate goals and can be used in further study and professional activities.

The program is compiled in accordance with the following documents:

1. Law of Ukraine "On Higher Education" of 01.07.2014 № 1556-VII.
2. Educational and professional program 222 "Medicine" of the second (master's) level of higher education in the field of knowledge 22 "Health care".
3. Order of Danylo Halytsky LNMU for № 129-z from 13.01.2020 "On the introduction of the curriculum for training of specialists of the II (master's) level of knowledge 22 "Health Care" specialty 222 "Medicine" Vth year of study".

The program of the discipline is structured and presented by one module, which contains three content modules in accordance with the requirements of curriculum development of disciplines. According to the curriculum of the 5th year for the faculty of foreign students ("Medicine") for the study of the discipline "Epidemiology, Biosafety" are given 90 hours, including 12 hours of lectures, 34 hours of practical classes and 44 hours of independent (extracurricular) work of masters.

The thematic plans of lectures, practical classes include issues of general epidemiology, special epidemiology and biosafety.

From the general epidemiology (the first topical module) the study is about the basic laws and manifestations of the epidemic process, modern means of prevention of infectious diseases and methods of their use, anti-epidemic measures in the foci of

infectious diseases, methods of epidemiological diagnosis and principles of evidence-based medicine.

In practical classes on special epidemiology (second topical module) masters, by solving situational problems, study the features of epidemiological investigation and anti-epidemic measures in the foci of respiratory infections (diphtheria, measles, COVID-19), intestinal infections (typhoid fever and paratyphoid fever, hepatitis A), with transmissible (malaria, Lyme borreliosis) and contact mechanisms of transmission (hepatitis B and C, HIV infection), Health Care associated infections (HCAI), extremely dangerous infections (cholera, plague, anthrax).

Biosafety topics (the third content module) are aimed at necessary knowledge by masters on biosafety issues and the organization of preventive and anti-epidemic measures in emergencies in peacetime, including the conditions of introduction of infectious diseases.