

ANNOTATION OF THE ELECTIVE DISCIPLINE
FUNDAMENTALS OF BIOETHICS AND BIOSAFETY

training of specialists of the second (master's) level of higher education
field of knowledge 22 "Health care"
specialty 222 "Dentistry"

Annotation of the discipline: EC2.2 "Fundamentals of bioethics and biosafety" belongs to the cycle of disciplines of professional training of specialists in specialty 222 "Dentistry"

Final control - credit.

Aims: obtaining basic knowledge covering the moral issues of human activity in medicine and biology, as well as the issue of ensuring the safety of existence and preservation of human health and life.

Main tasks:

-studying the laws, principles and rules regulating the professional behavior of medical workers and researchers, which contributes to the safety of the use of new medical technologies and warns doctors and scientists about the inadmissibility of harming a person, his offspring, all humanity and the biosphere as a whole.

- formation of respect for the life and dignity of healthy and sick people, whose interests should always be valued higher than the interests of science or society;

- able not only to identify and analyze conflict situations arising at the intersection of medicine, biology, philosophy and jurisprudence, but also to determine specific ways of their resolution.

- the ability to be regulated by new ethical principles (that is, nooethics) to prevent a global ecological crisis, essentially a noosphere crisis, which can take on a catastrophic and irreversible nature.

- demonstrating the ability to communicate with colleagues, patients and their relatives, taking into account their psychological characteristics, to contribute to the creation of a healthy psychological climate in the medical environment;

- use moral, ethical and deontological principles of communication with patients with skin, venereal, infectious, oncological, internal, pediatric, surgical, genetic, mental, neurological diseases.

General competencies (GC) of the discipline:, the formation of which is facilitated by the discipline:

- **integrated** – the ability to solve complex problems and critically consider and solve practical problems in professional pharmaceutical and/or research and innovation activities using the provisions, theories and methods of fundamental, chemical, technological, biomedical and socio-economic sciences; integrate knowledge and solve complex issues, formulate judgments based on insufficient or limited information; clearly and unambiguously convey one's own knowledge, conclusions and their validity to a professional and non-professional audience.

- **general:**

GC 1. Ability to abstract thinking, analysis and synthesis.

GC 2. Knowledge and understanding of the subject area and understanding of professional activity.

GC 3. Ability to apply knowledge in practical situations.

GC 6. Skills in using information and communication technologies.

GC 8. Ability to adapt and act in a new situation.

GC 9. The ability to identify, pose and solve problems.

GC 11. Ability to work in a team.

GC 12. Efforts to preserve the environment.

GC 13. The ability to act socially responsibly and consciously

- professionals:

PC 10. Ability to organize and conduct medical evacuation measures

PC 11. Ability to determine tactics, methods and provide emergency medical assistance.

PC 13. The ability to assess the impact of the environment on the condition population health (individual, family, population).

PC 14. Ability to maintain regulatory medical documentation.

PC 15. Processing of state, social and medical information.

PC 18. The ability to provide medical care according to tactical protocols of medicine

Program learning outcomes:

PRO 7. Analyze the epidemiological situation and carry out measures of mass and individual, general and local medicinal and non-medicinal prevention of dental diseases.

PRO 12. To organize medical evacuation measures among population, military personnel, in emergency situations, including martial law during the deployed stages of medical evacuation, taking into account the existing system medical evacuation support.

PRO 15. Assess the impact of the environment on the health of the population in under the conditions of a medical institution according to standard methods.

PRO 17. Follow a healthy lifestyle, use techniques self-regulation and self-control.

PRO 19. To comply with the requirements of ethics, bioethics and deontology in one's specialty activity

PRO 20. Organize the necessary level of individual security (own and persons, which is taken care of) in case of occurrence of typical dangerous situations in an individual field of activity.

Developer: Department of General Hygiene and Ecology (Assoc. prof Olha BRATKOVA)