

ANNOTATION OF ELECTIVE DISCIPLINE

HYGIENE IN PHARMACY AND ECOLOGY

training of specialists of the second (master's) level of higher education
areas of knowledge 22 "Health care"
specialty 226 "Pharmacy, industrial pharmacy"

Discipline abstract EC 57 "Hygiene in pharmacy and ecology" belongs to the cycle of disciplines of professional training of specialists in specialty 226 "Pharmacy, industrial pharmacy"

Final control - credit.

Objectives: the study of the basics of hygiene and ecology, special hygiene issues of pharmacies and pharmaceutical enterprises, ecological problems of the environment, related, in particular, to the production of drugs, is necessary for future masters of pharmacy to understand the patterns of the influence of the environment on individual and population health, ensuring proper working conditions, organization and observance of sanitary and hygienic, anti-epidemic regime in pharmacy establishments, at pharmaceutical enterprises, as well as development, implementation of preventive measures for health preservation and environmental protection, the program is focused on obtaining knowledge about natural and anthropogenic factors of the environment and social living conditions that have an impact on human health, scientific justification and development hygienic standards, rules and measures that promote maximum use, environmental factors that have a positive effect on the human body and elimination and limitation to safe levels that have a negative impact, formation of skills for solving complex problems and critical thinking and solving practical problems in professional pharmaceutical and/or research and innovation activities.

Main tasks:

- Study of patterns of influence of environmental factors and conditions on the human body or population.
- Scientific substantiation and development of hygienic standards, rules and measures that contribute to the maximum use of environmental factors that have a positive effect on the human body and the elimination and limitation to safe levels that have an adverse effect.
- Introduction of the developed hygienic recommendations, rules and standards into the practice of health care, checking their effectiveness and improving them.
- Forecasting the sanitary situation in the near and distant perspective.
- The formation of a modern specialist, the ability to ensure optimal environmental management, which does not violate the permitted loads on the leading characteristics of the environment, fostering a sense of responsibility for the preservation and increase of natural resources.

Competencies, the formation of which contributes to the discipline:

- **integral:** 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 2. Ability to apply knowledge in practical situations.

GC 3. Efforts to preserve the environment.

GC 11. Ability to evaluate and ensure the quality of performed works.

GC12. Ability to conduct research at an appropriate level.

GC 14. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, and its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies, to use different types and forms of motor activity for active recreation and leading a healthy lifestyle.

-professionals:

FC 1. the ability to carry out sanitary and educational work among the population for the purpose of prevention of common diseases, prevention of dangerous infectious, viral and parasitic diseases, as well as for the purpose of promoting timely detection and support of adherence to the treatment of these diseases according to their medical and biological characteristics and microbiological features.

FC 5. The ability to monitor the effectiveness and safety of the use of medicinal products by the population according to the data on its clinical and pharmaceutical characteristics, as well as taking into account subjective signs and objective clinical, laboratory and instrumental criteria for the examination of the patient.

FC 7. The ability to ensure proper storage of medicines and other products of the pharmacy assortment in accordance with their physicochemical properties and the rules of Good Storage Practice (GSP) in health care institutions.

FC 14. The ability to organize and carry out the production activities of pharmacies regarding the manufacture of medicinal products in various dosage forms according to the prescriptions of doctors and orders of medical institutions, including the justification of technology and the selection of auxiliary materials in accordance with the rules of Good Pharmacy Practice(GPP).

Program learning teaching:

PLT 2. Apply knowledge from general and specialized disciplines in professional activity;

PRT 3. To comply with the norms of the sanitary and hygienic regime and the requirements of safety equipment when performing professional activities;

PRT 13. To carry out sanitary and educational work in professional activities in the event of outbreaks of infectious, viral and parasitic diseases;

PRT 19. Predict and determine the influence of environmental factors on the quality of medicines and consumer characteristics of other products of the pharmacy assortment during their storage;

PRT 24. Plan and implement professional activities on the basis of normative legal acts of Ukraine and recommendations of proper pharmaceutical practices;

PRT 25. Contribute to the preservation of health, in particular the prevention of diseases, the rational prescription and use of medicinal products. To conscientiously fulfill one's professional duties, to comply with the legislation on the promotion and advertising of medicinal products. Possess psychological communication skills to achieve trust and mutual understanding with colleagues, doctors, patients, consumers.

Developer: Department of General Hygiene and Ecology (Associate Professor of HEI, Ph.D. Olha BRATKOVA)