

Description of the subject  
 “Fundamentals of bioethics and biosafety”  
 for the list of elective courses.

Specialty	Medicine
Educational level	Master
Terms of study(course)	1
Number of credits	3
Total amount of hours	90
Lectures	20
Practical lessons	20
Individual work	50
Type of final control	credit
Department	Hygiene and ecology

**Why subject should be interesting for you?**

Today’s world is facing more biological, chemical, physical and other threats than ever, from mutations to antibiotic resistance to new diseases and increased access to engineered diseases. It’s vital that scientific research is being carried out safely to protect those who work in the healthcare institutions as well as wider communities.

On this course you will get an introduction to these issues, exploring biosecurity, biological threats and how to counter them in your work. You will also learn about responding to biological challenges and learn to examine issues in the lab.

**What topics will you cover?**

- Bioethics and biosafety studies ethical, social, and legal issues that arise in biomedicine and biomedical research;
- Medical ethics, which focuses on issues in health care;
- Research ethics, which focuses issues in the conduct of research;
- Environmental ethics, which focuses on issues pertaining to the relationship between human activities and the environment;
- Public health ethics, which addresses ethical issues in public health;
- Biosafety and prevention of large-scale loss of biological integrity, focusing on both ecology and human health;
- General patterns of the occurrence of environmental and occupational hazards, methods of prevention and protection against them;
- Creation of health and safe conditions of human life and activity.

**Professional (special) competencies:**

PC6 Ability to determine the principles and nature of treatment of diseases.

PC19 Ability to assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population

