

**Odessa National Medical University**  
**Faculty: International**  
**Department of philosophy and bioethics**

**Syllabus**  
**BASICS OF BIOETHICS AND BIOSAFETY**

<b>Volume</b>	2 credits (60 h)
<b>Semester, year of study</b>	2nd semester, 1st year
<b>Time/place</b>	Time and place (number of the lecture hall, auditorium) of classes is determined according to the approved schedule.
<b>Faculty members</b>	1) Khanzhi Volodymyr; D.Sc., professor; head of the department; 2) Lyashenko Dmitriy; PhD; associate professor.
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<b>Working place</b>	1) Prof. Khanzhi V.: office of the head of the department; 2) Assoc. Prof. Lyashenko D. .: teachers ' office.
<b>Tutoring/ guidance/consultations</b>	<b>Offline:</b> according to the schedule of consultations. <b>Online:</b> by personal appointment (MS Teams, Zoom, Viber, Skype, etc.)

### COMMUNICATION

Communication with students will be carried out remotely (tel., E-mail) and in person (at the teacher's workplace).

### COURSE ANNOTATION

**Subject matter of the discipline:** moral problems of mankind that arise in connection with the use of modern biomedical, industrial, agricultural, etc. technologies in various fields of activity, in particular in the professional activity of a doctor and other medical workers.

**Prerequisites of the course:** the study of the basics of bioethics and biosafety is objectively related to the knowledge of the humanities and natural science disciplines of the first year, both compulsory and elective: 'Philosophy', 'Sociology and Medical Sociology', 'Medical Biology', etc.

**Post requisites of the course:** The course lays the foundation for the study of such disciplines as 'Deontology in Medicine', 'Social Medicine, Public Health and Fundamentals of Evidence-Based Medicine, 'Medical Psychology', 'Medical Law of Ukraine' and others.

**The aim of the course is** to improve the quality of training of modern physicians in the field of bioethics, which will help the physician to further carry out

preventive and curative work at a high professional level, in accordance with modern international requirements and conventions in the field of medical law and bioethics.

**Course objectives:**

- ♦ learn to actively use the categorical apparatus of the course of bioethics and biosafety;
- ♦ to develop the ability to analyze bioethical and ethical-legal problems of the use of biomedical technologies and the skills of applying the relevant norms and principles for their solution;
- ♦ to acquaint with the principles of conducting bioethical examination of scientific projects;
- ♦ to develop the ability to properly use international and domestic regulations, legislation on bioethics for the analysis and solution of ethical and legal problems that arise in the practice of medicine;
- ♦ learn to apply the principles of bioethics in conducting clinical and any research;
- ♦ lay the preconditions for professional activity in accordance with the values and principles of bioethics.

**Expected results:**

As a result of studying the discipline, students should *know*:

- subject matter, main directions, functions, definition of bioethics;
- social and cultural, scientific, and philosophical presuppositions of the development of bioethics;
- content of the main international and domestic normative documents in the field of bioethics;
- functions, structure, powers, role in society of ethics committees;
- ethical and legal issues, bioethical principles, principles of good clinical practice in conducting clinical trials;
- forms, methods of ethical examination of scientific / clinical research.

Students should *understand*:

- features of application of bioethics principles depending on socio-cultural conditions (American and European models of bioethics);
- features of application of bioethical principles depending on the field of medical practice: psychiatry, medical genetics, obstetrics and gynecology, neonatology, oncology, infectious diseases, resuscitation, transplantology, etc.;
- bioethical aspects of animal experiments;
- ethical and legal problems of application of modern biomedical technologies.

Students should *be able to*:

- ✓ use the appropriate course thesaurus in the activity;

- ✓ analyze ethical and legal issues in the use of biomedical technologies and apply appropriate moral and ethical norms and principles for their consideration and solution;
- ✓ build professional activity in accordance with the values and principles of bioethics, the highest international and domestic regulatory standards in the field of bioethics;
- ✓ to use international and domestic normative documents, legislative acts on bioethics for the analysis and the decision of the ethical and legal questions arising in practical activity of the doctor;
- ✓ apply the principles of bioethics, the principles of good clinical practice in conducting clinical trials and any research;
- ✓ draw up an informed consent form for clinical trial participants and obtain the consent of clinical trial participants;
- ✓ to conduct bioethical examination of scientific projects.

## **DESCRIPTION OF THE COURSE**

### **Forms and methods of teaching**

The course will be presented in the form of lectures (10 hours) and seminars (10 hours), organization of independent work of students (40 hours).

The following teaching methods will be used during the teaching of the discipline: lectures, conversations, explanations, visual, practical (e.g., imaginary experiment); inductive, deductive, analytical, synthetic; explanatory-illustrative and problematic presentation, ‘microphone’, ‘brainstorming’.

**Consultations** (collective or individual) are held according to the schedule of consultations.

### **The content of the discipline.**

Topic 1: Bioethics as a modern medical ethics. History of origin, socio-cultural, philosophical, scientific and natural principles of bioethics. Content and basic concepts of bioethics and noo-ethics.

Topic 2: Ethical and legal aspects of the beginning and end of human life.

Topic 3: Values and principles of European bioethics. Implementation of bioethical principles in medical practice in Ukraine.

Topic 4: Features of the application of bioethical principles and rules in various fields of medical practice.

Topic 5: Informed consent (history, forms, legal framework).

### **Recommended literature:**

*Capra F., Luisi P.* The systems view of life: a unifying vision / F. Capra, P.L. Luisi. – Cambridge: Cambridge UP, 2019. – 510 p.

*Gensler H.* Ethics: a contemporary introduction / Harry Gensler / 3 ed. – Bosa Roca: CRC Press Inc, 2017. – 238 p.

Handbook of global bioethics / ed. Henk A.M.J. ten Have, Bert Gordijn. – Dordrecht: Springer, 2013. – 1685 p.

*Lewis M.* Medical law, ethics and bioethics for the health professions / M. Lewis. – Pennsylvania: F.A. Davis Company, 2012. – 256 p.

*Sateesh M.K.* Bioethics and biosafety / M.K. Sateesh. – New Delhi: I K International Publishing House Pvt. Ltd, 2013. – 820 p.

*Zyl V. L.* Virtue ethics: a contemporary introduction / Liezl Van Zyl. – London: Routledge, 2018. – 234 p.

## ASSESSMENT

The grade in the discipline consists of the current performance (arithmetic mean of all student grades).

**Current control.** Assessment of the success of studying each topic of the discipline is carried out on a 4-point scale.

At the seminars there are used various types of objective control of student readiness: fixed speeches, compilation and presentation of abstracts, reports, essays, analysis and solution of situational cases, participation in discussions, as well as various tests, etc.

At the end of the course, the current performance is calculated as the average current score, i.e., the arithmetic mean of all grades obtained by the student on a traditional scale, rounded to 2 (two) decimal places, for example 4.75.

**Assessment of independent work of students (ISW).** Students' independent work, which is provided by the topic of the lesson along with the classroom work, is assessed during the current control of the topic at the seminar class. Understanding of topics that are left for independent work only is checked during the differentiated test. The score for the individual ISW is equated to the usual current score and is graded for the relevant topic.

## COURSE POLICIES

### Deadline and resit policy

- ◆ Absences are atoned with the permission from the dean's office if there are good reasons (for example, a doctor's note) according to the departmental schedule.
- ◆ The student has the right during the semester to resit the current unsatisfactory grades only in order to achieve an average score of 3.00.
- ◆ Current unsatisfactory grades should be 'reworked' by the student to his / her teacher.

### Academic integrity

Adherence of students to academic integrity presupposes:

- ✓ independent performance of educational tasks, tasks of current and final control of learning outcomes (for persons with special educational needs this requirement is applied taking into account their individual needs and opportunities);

- ✓ references to sources of information in the case of the use of ideas, developments, statements, information;
- ✓ providing reliable information about the results of their own (scientific, creative) activities, used research methods and sources of information.

**Inappropriate actions include** use of prohibited auxiliary materials or technical means during checks (cheat sheets, notes, earphones, phones, smartphones, tablets, etc.).

**Mobile devices** may be used in the classroom only during online classes (in the case of distance learning) or as a source of educational information (with the permission from the teacher), etc.

#### **Policies concerning attendance and tardiness**

Attendance is a mandatory component of assessment. The absence is equated to academic debt and requires academic ‘redemption’. It is forbidden to be late for classes and to be ‘retarded’.

#### **Behavior in the auditorium or lecture hall**

- Students must adhere to moral standards, both in interaction with the teacher and in relation to their colleagues.
- To greet the teacher, students must stand up.
- No outside conversations (including on a mobile phone) or other noise that interferes with the lessons are allowed.

Walking in and out of the classroom during the lesson is allowed only with the permission of the teacher.