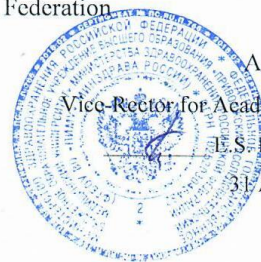


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E. S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **BIOETHICS**

Specialty: **33.05.01 PHARMACY**

Qualification: **PHARMACIST**

Department: **PSYCHIATRY**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **72 academic hours**

Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty **33.05.01 PHARMACY**, approved by Order of the Ministry of Science and Higher Education of the Russian Federation № 219 of March 27, 2018.


Developers of the working program:

Kasimova Lala Narimanovna, Doctor of Medical Sciences, Professor, Head. department of Psychiatry.

Karpukhin Ivan Borisovich, Candidate of Medical Sciences, Associate Professor of the Department of Psychiatry.

The program was reviewed and approved at the department meeting (protocol No. ____,
_____, 20__)

Head of the Department of Psychiatry,

Doctor of Medical Sciences, Professor  L.N. Kasimova
(signature)

01 June 2021

AGREED

Deputy Head of EMA ph.d. of biology  Lovtsova L.V.

01 June 2021

1. The purpose and objectives of mastering the academic discipline bioethics:

1.1. The purpose of mastering the discipline: to give an idea of the moral and ethical norms and principles related to the professional activity of a pharmaceutical worker, to form an idea of modern methods of resolving practical bioethical conflicts in the field of pharmacy.

1.2. Tasks of the discipline:

1. To acquaint students with the spectrum of problems and the latest foreign and domestic research in the field of biomedical ethics, principles and approaches in their solution;

2. To familiarize students with the main international and domestic documents regulating the ethical and legal issues of medicine and pharmacy;

3. To form an idea of modern methods of solving practical bioethical conflicts in the field of pharmacy;

4. To form a sense of the highest social, legal, moral and professional responsibility in the process of future activity;

5. To develop students' communicative abilities and skills aimed at solving the ethical aspects of professional communication in the field of pharmacy;

6. Promote the formation of personal readiness for future professional activity.

1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

Know:

- The main international and domestic documents regulating ethical and legal issues of medicine and pharmacy;

- The content of bioethics as a sphere of knowledge, mechanisms of functioning of bioethics as a social institute of practical biomedicine;

- History of the development of bioethics as a science;

- Basic principles, rules, and norms of biomedical ethics;

- The essence of moral problems of medicine and pharmacy;

- The principles of practical resolution of bioethical conflicts based on the ethical standards of the world and Russian scientific community;

- The models of communication between a pharmacist and a patient;

- Basic communicative and ethical principles of pharmacist's work;

Be able to:

- To be guided by the principles of humanism and universal human values in the implementation of their professional activities;

- To use moral and ethical norms, rules and principles of biomedical ethics and professional conduct in their practical use moral and ethical standards, rules and principles of biomedical ethics and professional conduct in their practice and maintain confidentiality;

- To analyze pharmaceutical practice using conceptual apparatus of bioethics;

- To apply the data of basic ethical documents of international and domestic professional medical associations and organizations;

- To conduct discussions in conditions of pluralism of opinions, applying various ethical ways of conflicts resolution, putting the interests of patients in the center of attention;

- To show tact and sensitivity in communication with patients and colleagues in professional activities

Possess:

- Skills of moral culture, presentation of an independent point of view, analysis and logical thinking, moral and ethical argumentation, conducting discussions;

- The system of knowledge about the main stages of development of biomedical ethics, about the specificity of the modern stage of bioethics, as well as about the specificity of pharmaceutical ethics;

- Skills in organizing research work in the field of pharmacy in accordance with the principles of bioethics;

- Skills in solving moral dilemmas created by the progress of modern biomedicine;
- Ways of tolerant perception of the ethical image of the patient and approaches to interaction with different groups of patients.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline bioethics refers to the variable part of Block 1, mandatory disciplines.

The discipline is taught in 5th semester/ 3rd year of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

1. History of Pharmacy
2. Jurisprudence

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

1. Life Safety. Medicine of Emergency Situations.
2. Pharmacology.
3. Pharmaceutical Technology.
4. Pharmacognosy.
5. Management and Economics of Pharmacy.
6. Psychology and Pedagogy.
7. Educational Practicum.
8. Practice in Pharmacy Counseling and Information.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	GPC-4 Able to carry out professional activities in accordance with ethical norms and moral principles of pharmaceutical ethics	ID-1*. GPC-4.1. Performs interaction in the system "pharmaceutical worker-visitor of the pharmacy organization" in accordance with the norms of pharmaceutical ethics and deontology		basic international and domestic documents regulating ethical and legal issues of medicine and pharmacy; basic principles, rules and norms of	to be guided by the principles of humanism and universal human values in the implementation of their professional	Skills of moral culture; system of knowledge about the main stages of development of biomedical ethics, specifics of the modern stage of bioethics,

	and deontology			<p>biomedical ethics; essence of moral problems of medicine and pharmacy; principles of practical resolution of bioethical conflicts; models of communication between pharmacist and patient; basic communication and ethical principles of pharmacist</p>	<p>activities; to use moral and ethical standards, rules and principles of biomedical ethics and professional behavior in their practice; to analyze pharmaceutical practice with analyze pharmaceutical practice using conceptual framework of bioethics; apply data from main ethical documents of international and national professional medical associations and organizations; discuss and use ethical methods of conflict resolution, focusing on patients' interests; be tactful and</p>	<p>and specifics of pharmaceutical ethics; skills of solving moral dilemmas; ways of tolerant perception of ethical image of the client and approaches to interaction with different groups of clients</p>
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					delicate in dealing with clients	
2.		ID-2*. GPC-4.2. Performs interaction in the system "pharmacist-medical worker" system in accordance with the norms of pharmaceutical ethics and deontology		Basic international and national documents regulating ethical and legal issues of medicine and pharmacy; basic principles, rules and norms of biomedical ethics; essence of moral problems of medicine and pharmacy; principles of practical resolution of bioethical conflicts; communication models for pharmacists and health professionals; basic communication and -ethical principles of pharmacist's work	be guided by the principles of humanism and universal human values in the implementation of their professional activities; use moral and ethical standards, rules and principles of biomedical ethics and professional behavior in their practice use moral and ethical norms, rules and principles of biomedical ethics and professional conduct in their practical activity; analyze pharmaceutical practice using conceptual framework	skills of moral culture; a system of knowledge about the main stages of development of biomedical ethics, the specificity of the modern stage of bioethics, as well as the specificity of pharmaceutical ethics; skills of organizing research work in the field of pharmacy in accordance with the principles of bioethics; skills of solving moral dilemmas; ways of tolerant perception of the ethical image of health workers and approaches to interaction with different groups of health workers

					of bioethics; apply data from main ethical documents of international and national professional medical associations and organizations; discuss and use ethical methods of conflict resolution, focusing on patients interests; show tact and delicacy in dealing with medical workers	
3.						

4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
	GPC-4 GPC-4.1 GPC-4.2	Section 1: Bioethics in Contemporary Health Care	1.1 The subject of bioethics as a theoretical science and medical practice. History of bioethics. Norms of bioethics. 1.2 Current problems of bioethics. 1.3 Principles and rules of biomedical ethics. Models of Bioethics 1.4 Life and health as a value. Ethical issues of extension and termination of life. The problem of quality of life The problem of quality of life. The inner picture of health and illness.
	GPC-4 GPC-4.1 GPC-4.2	Section 2: Bioethics of Clinical Research	2.1 Basic ethical principles for organizing scientific research in pharmacology. 2.2 Ethical and legal problems of biomedical research involving animals and humans. 2.3 Ethical control of clinical research. 2.4. Bioethical problems of production and quality control

			Drugs, criteria for their effectiveness and safety.
	GPC-4 GPC-4.1 GPC-4.2	Section 3. Pharmaceutical deontology	3.1 Psychological and ethical requirements for the personality pharmacist. Professional and personal characteristics and attitudes. Communicative competence of a pharmacist. 3.2 Bioethical models of the pharmacist-client relationship. 3.3 Problems of pharmacist's professional responsibility. Iatrogenic diseases and medical errors. 3.4 Problems of effective communication between pharmacists and subjects 3.4 Problems of effective communication between pharmacists and the subjects of medical discourse (clients, colleagues, management).

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	
Classroom work, including	-	44	44
Lectures (L)	-	12	12
Laboratory practicum (LP)*	-	-	-
Practicals (P)	-	32	32
Seminars (S)	-	-	-
Student's individual work (SIW)	-	28	28
Mid-term assessment	-	-	-
credit	-	2	2
TOTAL LABOR INTENSITY	2	72	72

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					
		L	LP	P	S	SIW	total
1	Bioethics in Contemporary Health Care	2	-	12	-	10	24
2	Bioethics of Clinical Research	4	-	8	-	8	20
3	Pharmaceutical deontology	6	-	10	-	10	26
4	Credit	-	-	2	-	-	2
	TOTAL	12	-	32	-	28	72

* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volume in AH	Semester
1	1.1 The subject of bioethics as a theoretical science and medical practice. History of bioethics. Norms of bioethics.	1	5
2	1.2 Principles and rules of biomedical ethics. Models of bioethics.	1	5

3	2.1. Basic ethical principles for organizing scientific research in pharmacology.	2	5
4	Pharmacology.	2	5
5	2.2 Bioethical problems of production and quality control of medicines, criteria of their effectiveness and safety.	2	5
6	3.1 Psychological and ethical requirements to pharmacist's personality. Professional and personal characteristics and attitudes. Communicative competence of pharmaceutical worker.	2	5
7	2.3 Problems of professional responsibility of pharmacist.	2	5
	TOTAL (total - AH)	12	-

6.2.2. Thematic plan of practicals

№	Name of laboratory practicums	Volume in AH	Semester
1	1.1 The subject of bioethics as a theoretical science and medical practice. History of bioethics. Norms of bioethics.	2	5
2	1.2 Current problems of bioethics.	4	5
3	1.3 Principles and rules of biomedical ethics. Models of bioethics.	2	5
4	1.3 Life and health as a value. Ethical issues of life extension and termination.	2	5
5	1.4 Problem of quality of life. The inner picture of health and illness.	2	5
6	2.1 Basic ethical principles for organizing of scientific research in pharmacology.	2	5
7	2.2. Ethical and legal problems of biomedical research with animals and humans.	2	5
8	2.2. Ethical and legal problems	2	5
9	2.3 Ethical control of clinical research.	2	5
10	2.4 Bioethical problems of production and quality control of medicines, criteria of their effectiveness and safety.	2	5
11	3.1 Psychological and ethical requirements for the personality of a pharmacist. Communicative competence of pharmaceutical worker.	2	5
12	3.2 Bioethical models of the "pharmacist-customer" relationship.	2	5
13	3.3 Problems of pharmacist's professional responsibility. Iatrogenic diseases and medical errors.	4	5
14	Final testing	2	5
	TOTAL (total - AH)	32	-

6.2.3. Types and topics of student's individual work (SIW)

№	Types and topics of SIW	Volume in AH	Semester
1	Work with literary, documentary and other sources Information on the studied section, including in the interactive form	6	5

2	Fulfillment of practical tasks	2	5
3	Preparing reports	2	5
4	Writing essays	6	5
5	Preparing to participate in lessons in an interactive form	6	5
6	Preparing for current and interim control	6	5
	TOTAL (total - AH)	28	-

7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Semester No.	Types of control	Name of section of academic discipline	Assessment formats		
				types	number of test questions	number of test task options
1.	5	Control of mastering the topic	Section 1: Bioethics in Contemporary Health Care	Abstract/Report Terminological Dictation	10	-
			Section 2: Bioethics of Clinical Research	Discussion / Roundtable Case study solutions	5	-
			Section 3. Pharmaceutical deontology	Discussion Role play Case problems solving	5	-
2.	5	Monitoring the student's individual work	Section 1: Bioethics in Contemporary Health Care	Test	20	2
			Section 2: Bioethics of Clinical Research	Test Solution of situational tasks	15 2	2
			Section 3. Pharmaceutical deontology	Test Solution of situational tasks	10 2	2
3	5	Credit	All sections	Test Solution of situational tasks	20 2	2

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library

8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library

8.3. Electronic educational resources for teaching academic subjects

8.3.1. Internal Electronic Library System of the University (IELSU)

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users

8.3.2. Electronic educational resources acquired by the University

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users

8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions

9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

Four training rooms for group practical classes in bioethics with the possibility of using a multimedia complex: 22 Semashko Str., the academic building.

9.2. List of equipment for classroom activities for the discipline

- Multimedia complex (laptop, projector, screen) for lecture classes (1 pcs.);*
- Set of multimedia visual materials (presentation) on the lecture course of the discipline (1 pcs.);*
- Study marker boards (4 pcs.);*
- Furniture (student desks and chairs) in 4 classrooms for practical classes for at least 30 persons.*

9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018

2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
 "Privolzhsky Research Medical University"
 Ministry of Health of the Russian Federation
 (FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of

PSYCHIATRY

CHANGE REGISTRATION SHEET

working program for the academic discipline

BIOETHICS

Field of study / specialty / scientific specialty: **33.05.01 PHARMACY**

Training profile: **PHARMACIST**
(name) - for master's degree programs

Mode of study: **FULL-TIME**

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting
 Protocol No. _____ of _____ 20__

Head of the Department

_____ / _____
 department name, academic title signature print name