

ADDITIONS AND CHANGES TO THE CURRICULUM FOR THE ACADEMIC DISCIPLINE

"Biopharmaceutical Ethics and Communications"

for the specialty "Pharmacy"

for the 2024/2025 academic year

Additions and changes	Base
1. Changes have been made to the explanatory note according to the appendix №1	Educational institution curriculum for the 2024-2025 academic year
2. Changes have been made to the explanatory note according to the appendix №2	Educational institution curriculum for the 2024-2025 academic year
3. Changes have been made to the explanatory note according to the appendix №3	Educational institution curriculum for the 2024-2025 academic year

The elective course curriculum was revised and approved at a meeting of the Department of Pharmacy Organization (protocol №13 of 13.06.2024)

Head of the department of organization of pharmacy



Mushkina O.V.

APPROVED

Dean of the Faculty of Foreign Students



Ishutin O.S.

Changes in the Explanatory Note

In total, 200 academic hours are allocated for studying the academic discipline, of which 110 classroom hours and 90 hours of independent student work. Distribution of classroom hours by type of lesson: 21 hours of lectures (including 6 hours of guided independent work (MSW)), 89 hours of laboratory classes.

DISTRIBUTION OF STUDY TIME BUDGET BY SEMESTER

Code, name specialties	semester	Number of training hours						Form of intermediate assessment
		total	in-class	including			out-of-class self-studies	
				lectures	supervised student independent work	laboratory studies (practical classes and seminars)		
7-07-0912-01 "Pharmacy"	2	110	63	9	3	51	47	credit
	3	90	47	6	3	38	43	exam

THEMATIC PLAN

Section (topic) name	Number of class hours	
	lectures (incl. SSIW)	practical)
Section I. Biopharmaceutical Ethics	12	51
1. Bioethics and biopharmaceutical ethics: status, essence and basic principles	1,5	6
1.1 Moral guidelines for pharmaceutical knowledge and activity. Bioethics, sociocultural prerequisites of bioethics	1,5	3
1.2 Biopharmaceutical ethics: theoretical foundations and principles		3
2. The phenomenon of life and death from the standpoint of bioethics. Main ethical problems in the development of transplantology and genetics		15
3. Problems of biopharmaceutical ethics	7,5	21
3.1 Bioethics and the basics of public policy in the field of health care and drug provision	4,5	3
3.2 Bioethics of drug circulation. Ethical and legal aspects of drug development		3
3.3 Ethical and legal principles of preclinical research and clinical trials of drugs	1,5	6
3.4 Bioethics of registration and production of medicines	1,5	3
3.5 Ethical and legal aspects of the sale of medicines and the provision of pharmaceutical care		6
4. Deontological problems in the context of biopharmaceutical ethics	1,5	9
4.1 Modern pharmaceutical deontology	1,5	3
4.2 The role of the pharmacist in the health care system		6
5. Communication as a phenomenon of reality and a subject of study. Communication as a social practice	1,5	2
Section II. Communications in pharmaceutical activities	9	38
6. Organizational communication in pharmacy	1,5	3
7. Subject areas of communication in pharmacy	3	6
7.1 Information as the basis of the communication process in pharmacy	3	3
7.2 Professional communications in pharmacy: significance for the current stage and development prospects		
8. Business communication tools in pharmacy	1,5	9
8.1 Nonverbal tools for business communication in pharmacy	1,5	3
8.2 Verbal tools for business communication in pharmacy		6
9. Applied aspects of communication in pharmacy	3	18
9.1 Communication with pharmacy visitors. Basic principles	3	6

Section (topic) name	Number of class hours	
	lectures (incl. SSIW)	practical)
<i>9.2 Communication with colleagues and management. Business ethics and effective means of professional communications in pharmacy</i>		6
<i>9.3 Search, preparation and interpretation of information messages in the activities of pharmaceutical organizations</i>		6
Total hours	21	89

EDUCATIONAL AND METHODOLOGICAL CARD OF THE ACADEMIC DISCIPLINE "NAME OF THE ACADEMIC DISCIPLINE" OF THE MODULE "MODULE NAME"

№ п/п	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				lectures
2 semester							
I.	Biopharmaceutical ethics	9	51	3			
1.	Bioethics and biopharmaceutical ethics: status, essence and basic principles	1,5	6				
1-2	Bioethics and biopharmaceutical ethics: status, essence and basic principles. The phenomenon of life and death from the perspective of bioethics. Main ethical problems in the development of transplantology and genetics	1,5	-				
1.1	Moral guidelines for pharmaceutical knowledge and activity. Bioethics, sociocultural prerequisites of bioethics, sociocultural prerequisites of bioethics. Medical ethics and pharmaceutical ethics as types of professional ethics. Sociocultural prerequisites for the formation of bioethics. Bioethics: essence and interdisciplinary nature.	-	3		A reasoned presentation of a personal position on current issues of biopharmaceutical ethics and communication in pharmacy	Solving situational problems, including using the case method	

	Main directions, goals and objectives of bioethics							
1.2	Biomedical ethics: theoretical foundations and principles Content, structure and functions of the discipline of biopharmaceutical ethics. Updating and interrelation of problems of biomedical and biopharmaceutical ethics. A conceptual model of biopharmaceutical ethics. Universal principles of bioethics	-	3					
2.	The phenomenon of life and death from the perspective of bioethics. Main ethical problems in the development of transplantology and genetics Life as the highest value Bioethics of family planning and reproductive technologies. Abortion as an ethical problem. Ethical and legal components in matters of reproductive technologies and contraception	-	15					
	Death as an ethical, philosophical and biomedical problem The problem of death criteria. Clinical and biological death. Brain death: medical and moral problems. Ethics of resuscitation. Euthanasia as a bioethical problem	-	3					
	Basic ethical problems of organ and tissue transplantation. Legal and bioethical basis of legislation on transplantation of human organs and tissues	-	3					
	Specificity of moral problems of genetics. Moral problems of obtaining and using genetic	-	3					

	information. Ethical problems of the international project "Human Genome"								Electronic tests, quiz, colloquium*
	Final lesson on the topics "Bioethics and biopharmaceutical ethics: status, essence and basic principles. Ethical problems of life, death, transplantology and genetics"	-	3						
3	Problems of biopharmaceutical ethics	4,5	21						
3.1-	Bioethics and legal foundations of state policy in the field of health care and drug provision.								
3.2	Bioethics of drug circulation. Ethical and legal aspects of drug development	1,5	-						
3.1	Bioethics and fundamentals of public policy in the field of health care and drug provision Main directions of state policy in the field of circulation of medicines. Laws of the Republic of Belarus "On Health Care", "On the Circulation of Medicines". State pharmaceutical supervision of compliance with the requirements of legislation on the circulation of medicines	-	3	1,5					Electronic tests, situational tasks (case method)
3.2	Main bioethical issues in drug development Biotechnology, biosafety and genetic engineering in pharmaceuticals. Bioethical aspects of the development of original and generic drugs (generics and biosimilars). The problem of protecting the rights of developers of new medicines, methods of their production, industrial designs and trademarks	-	3	1,5					Electronic tests, situational tasks (case method)
3.3	Ethical and legal foundations of preclinical research and clinical trials of drugs	1,5	-						
3.3	Ethical and legal principles of preclinical drug research	-	3						

	Bioethics of the use of animals in medical and pharmaceutical research and humane teaching. The concept of the "three R's". Alternative experimental methods. Good laboratory practice						
3.3	Ethical and legal aspects of clinical trials of drugs Ethical problems of biomedical research on healthy volunteers, patients, embryos, children. Ethical considerations for conducting biomedical research involving vulnerable populations. Good Clinical Practice	-	3				
3.4-	Bioethics of drug production. Ethical and legal aspects of the sale of medicines and the provision of pharmaceutical care	1,5	-				
3.5.							
3.4	Bioethics of registration and production of medicines State registration of medicinal products as a procedure for recognizing the compliance of a medicinal product with the requirements for safety, effectiveness and quality. International standard for Good Manufacturing Practice. Good pharmacy practice. The problem of counterfeit medicines. The problem of uncontrolled distribution of functional food products and biologically active food additives	-	3				
3.5	Ethical and legal aspects of the sale of medicines and the provision of pharmaceutical care Bioethical, legal and organizational basis for regulation in the field of circulation of medicines.	-	3				

	Ethical aspects of unfair competition among drug manufacturers. Distribution ethics. Activities of medical representatives of pharmaceutical companies: ethical and legal aspects. Ethical criteria for drug advertising							
	Final lesson on the topic "Problems of biopharmaceutical ethics"	-	3					Electronic tests, quiz, colloquium *
4.	Deontological problems in the context of biopharmaceutical ethics	1,5	9					
4.1-4.2	Deontological problems in the context of biopharmaceutical ethics	1,5	-					
4.1	Modern pharmaceutical deontology Appearance and general culture of a pharmaceutical worker. The essence, status and content of pharmaceutical ethics and deontology in biopharmaceutical ethics. Basic concepts of pharmaceutical deontology: professional duty and responsibility of the pharmacist. Paternalism and antipaternalism in modern pharmacy. Pharmacist – patient: ethical models of interaction. Ethical professional codes in the field of pharmaceutical activities	-	3			Application of the basic ethical and deontological rules of pharmaceutical consultation of the population and medical workers;	Solving situational problems, including using the case method.	
4.2	The role of the pharmacist in the healthcare system Rights, responsibilities and social protection of pharmaceutical workers.	-	3					

4.2	Ethical requirements for pharmaceutical workers regarding compliance with medical confidentiality. Confidentiality of pharmaceutical care in the context of computerization of modern pharmacy. The problem of corruption in pharmaceutical activities						Electronic tests, quiz, colloquium *
5.	Final lesson on the topics "Bioethics and biopharmaceutical ethics: status, essence and basic principles. Ethical problems of life, death, transplantology and genetics", "Problems of biopharmaceutical ethics", "Deontological problems in the context of biopharmaceutical ethics"	-	3				
5.	Communication as a phenomenon of reality and a subject of study. Communication as a social practice Communication as the basis of social interaction. Basic motives of cooperative communication: request, information, social exchange of emotions. The concept of "communicative action". The problem of understanding and understanding between individuals and different social groups	1,5					
3 семестр							
II	Communications in pharmaceutical activities	6	38	3			
5.	Communication as a phenomenon of reality and a subject of study. Communication as a social practice Communication as the basis of social interaction. Basic motives of cooperative communication: request, information, social exchange of emotions.		2				

	The concept of "communicative action". The problem of understanding and understanding between individuals and different social groups						
6.	Organizational communication in pharmacy Communications between a pharmaceutical organization and its environment. Organizational structure and main participants in communication interaction in the pharmaceutical healthcare sector. Horizontal and vertical communication links. Internal and external communications in pharmacy and pharmaceutical organizations				Using the basic principles and methods of organizing communication in the field of pharmaceutical activities;	Solving situational problems, including using the case method.	
7.	Subject areas of communication in pharmacy	1,5	6				
7.1-7.2	Subject areas of communication in pharmacy	1,5	-	1,5			Electronic tests, situational tasks (case method)
7.1	Information as the basis of the communication process in pharmacy Category of "information": interpretation and meaning. Information theory, basic properties. Organization of the communication process. Information culture in pharmacy. Barriers to interpersonal communications. The right of the health care consumer to receive understandable and reliable information				Conducting analysis and substantiation of methods for forecasting, planning and developing communication campaigns aimed at solving the problems of modern healthcare in the field of maintaining health and providing medicines to the population;	Solving situational problems, including using the case method.	
7.2	Professional communications in pharmaceutical organizations Target audience in the activities of pharmacy and pharmaceutical organizations. Levels of Communication	-	3	-			
8	Business communication tools in pharmacy	1,5	9				

8.1-8.2	Business communication tools in pharmacy	1,5	-					
8.1	Nonverbal tools for business communication in pharmacy Methods of decoding nonverbal communication. Emotional communication. Symbols as part of nonverbal systems. Tactical means of communication: control influence, manipulation and methods of protection against it, modeling of stable perception	-	3					
8.2	Verbal tools for business communication in pharmacy Traditional means of verbal communication in pharmacy Speech culture of a pharmaceutical worker Internal documents containing information for personnel Business communication in pharmacy and professional ethics	-	3					
	Final lesson on the topic "Communications in pharmaceutical activities"	-	3					Electronic tests, quiz, colloquium*
9	Applied aspects of communication in pharmacy	1,5	18					
9.1-9.3	Business ethics and effective means of professional communications in pharmacy. Communication with pharmacy visitors. Communication with colleagues and management	1,5	-	1,5				Electronic tests, situational tasks (case method)
9.1	Communication with pharmacy visitors. Basic principles Communication competencies as an integral part of the professional culture of a pharmacist.	-	3	-				

	Basic communication skills in the relationship between a pharmacist and a pharmacy visitor. Main types of pharmacy visitors. Pharmaceutical consulting of the population						
9.1	Conflict management in pharmacy and pharmaceutical organizations Conflict as a mechanism of social regulation. Methods of conflict management in the process of social communication. Modeling of communicative scenarios of reaction to various conflict situations. Reflection and self-analysis	-	3	-			
9.2	Business ethics. Communication with colleagues Rules of communication "horizontally". Corporate culture. Team building and effective team building. Personal characteristics in communication. Preventing conflicts in communication with colleagues	-	3	-			
9.2	Business ethics. Communication with management Rules of communication "vertically". Corporate culture. Team building and effective team building. Personal characteristics in communication. Prevention of conflicts in communication with management	-	3				
9.3	Search, preparation and interpretation of information messages in the activities of pharmaceutical organizations Criteria for the reliability of the information source.	-	3	-			

	Public speaking in the social communication system. Preparation of information messages (reports, presentations) for colleagues, business partners, investors and consumers							
9.3	Final lesson on the topic "Applied aspects of communication in pharmacy"	-	3	-				electronic tests, quiz, colloquium *
	<i>Final lesson</i>							Exam *