

SYLLABUS
Spring semester
2020-2021 ac.yrs.

Educational program of PhD student on specialty Public Health

Code of discipline	Title of discipline	PhD SIW (PIW)	Number of hours			Number of credits	PhD independence work under teacher advising (PIWT)
			Lecture	Class	Lab.		
	Bioethics in Public Health	98	15	30	0	5	7
Type of education	Kind of discipline	Type of lecture		Type of class		Number of PIW	Matrix of summative assessment
Online	Theoretical	Synchroniouse		Vebinar		3	Test/essay/exam
Lecturer	Iskakova Farida						
e-mail	Iskakova.farida@kaznu.kz						
phone	+77011013086						
Academic presentation of the course							
Purpose of the course	Expected Learning Outcomes (LO)			Achievement indicators of learning results (AI)			
	As a result of studying the discipline, the students will be able to:			(no less 2 AI to every RL)			
To build competencies of doctoral students in using knowledge and skills in the field of bioethics in further professional activities, including experimental	1. To understand the principles of bioethics and its role in public health.			1.1 Identify ethical issues in public health. 1.2 Adhere to moral values, principles and rules of ethics in biomedical research. 1.3 Apply the principles of deontology in the medical environment, including in relationships with patients and colleagues.			
	2. To use ethical principles and rules in new			2.1 Adhere to ethical principle and rules in the use of new biotechnologies			

research.	biotechnologies used in public health.	in the field of human reproduction, organ and tissue transplantation. 2.2 Use informed patient consent when undertaking new diagnostic, therapeutic and preventive measures. 2.3 Have your own opinion and be able to defend it on issues of surrogate motherhood, in vitro fertilization, organ donation.
	3. To understand and use the criteria for death and human life.	3.1 To apply knowledge and skills to determine biological and clinical death, brain death. 3.2 To apply knowledge and skills to assess the viability of the newborn (fetus). 3.3 To understand and be able to discuss euthanasia in patients.
	4. To apply ethical principles in experimental research.	4.1 To apply ethical principles in nonclinical animal research. 4.2 To organize animal care and evaluate research outcomes.
	5. To apply ethical principles in clinical trials.	5.1 To participate in clinical trials. 5.2 To be able to plan and organize clinical trials.
	6. To know international regulations.	6.1 To apply international normative documents in practice. 6.2 To present the results of experimental and clinical studies at international conferences.
Prerequisite		
Postrequisite		
Reference and source	1. BIOMEDICAL ETHICS. PRACTICE. Minsk. - 2011.-204 p. 2. Deni Elliot. Ethical Challenges: Building an Ethics Toolkit Authorhouse: 2008 3. Robert J. Spitzer, S.J., Ph.D. Ten Universal Principles: A Brief Philosophy of the Life Issues. Ignatius Press, 2011. 4. Thomas A. Shannon and Nicholas J. Kockler, An Introduction to Bioethics. 4th Edition. Paulist Press, 2009.	
Academic course policy in context	Rules of academic conduct: The deadlines for completing the online course modules must be strictly observed in accordance with the schedule for studying the discipline. ATTENTION! Failure to meet deadlines results in loss of points! The deadline for each assignment is indicated in the calendar (schedule) for the implementation of the content of the training course. Academic values: - Practical / laboratory studies, IWS should be independent, creative. - Plagiarism, forgery, use of cheat sheets, cheating at all stages of control are inadmissible. - Students with disabilities can receive consulting assistance by e-mail Aizhan.Raushanova@kaznu.kz	

**Политика оценивания
и аттестации**

Criteria assessment: assessment of learning outcomes in relation to descriptors (checking the formation of competencies at midterm control and exams).

Summative assessment: assessment of the activity of work in the audience (at the webinar); assessment of the completed assignment.

The final grade for the discipline is calculated using the following formula: $MT1+ME+MT\ 2=Rating\ *0.6+FE*0.4$:

MT – midterm control; ME – midterm exam; FE – final exam.

Grading

Alphabetical Grades	Numerical Grades	Scores (%)	Traditional Grades
A	4,0	95-100	Perfect
A-	3,67	90-94	
B+	3,33	85-89	Good
B	3,0	80-84	
B-	2,67	75-79	
C+	2,33	70-74	
C	2,0	65-69	Satisfactory grade
C-	1,67	60-64	
D+	1,33	55-59	
D-	1,0	50-54	
FX	0,5	25-49	Unsatisfactory grade
F	0	0-24	

Schedule for an implementation of the training course

Week	Topic	LR	IA	Number of hours	Max. scores	Assessment of knowledge	Form of carrying out /Platform
Module I. Bases of Bioethics							
1	Lecture 1. Ethics as a philosophical science.	LO1 LO2	AI 1.1 AI 1.2	1			Vebinar in Zoom
	Seminar I. Ethics as a philosophical discipline. Essence, specificity, structure and functions of morality. The place of biomedical ethics in the structure of ethical knowledge.	LO1	AI 1.1 AI 1.2 AI 1.3	2	10	TT	Vebinar in Zoom
2	Lecture 2. A history of a physician's professional ethics	LO1 LO2	AI 1.1 AI 1.2 AI 1.3	1			Vebinar in Zoom
	Seminar 2. A history of a physician's professional ethics. Medical ethics is as a kind of professional ethics. History of Medical Ethics in Kazakhstan.	LO1	AI 1.1 AI 1.2 AI 1.3	2	10	TT	Vebinar in Zoom
	PIWT 1. Consultation on topics 1-2 for the preparation PIW 1.						
	Lecture 3. Theoretical bases of Bioethics	LO1	AI 1.1 AI 1.2	1			Vebinar in Zoom
	Seminar 3. Theoretical bases of Bioethics. The concept of bioethics and socio-cultural prerequisites for its formation. Features of bioethics. Problematic issues of bioethics.	LO1	AI 1.1 AI 1.2 AI 1.3	2	10	TT	Vebinar in Zoom
4	Lecture 4. Moral values, principles and rules of biomedical ethics.	LO1	AI 1.1 AI 1.2	1			Vebinar in Zoom

Week	Topic	LO	AI	Number of hours	Max. scores	Form of assessment	Form of class/ Platform
	Seminar 4. The highest moral values in medicine. Principles and rules of biomedical ethics.	LO1	AI 1.1 AI 1.2	2	10	TT	Vebinar inZoom
	PIWT 2. Consulting on the preparation of PIW1.						
	PIW 1. Essays on topics 3 and 4 classes.	LO1	AI 1.1 AI 1.2		50		DLS MOODLE
5	Lecture 5. Deontology in the context of bioethics.	LO1	AI 1.1 AI 1.2	1			Vebinar in Zoom
	Seminar 5. Basic concepts and problems of modern medical deontology. Models of interaction between doctor and patient. Patient's rights. Ethics of relationships in the medical team. Medical errors and jatrogenies in the activities of medical workers.	LO1	AI 1.1 AI 1.2	2	10	TT	Vebinar in Zoom
	PIWT 3. Consultation to PIW 2						
	PIW 2. Essay on 4 and 5 class topics.	LO1	AI 1.1				
MT					100		
Module 2. Moral and legal aspects of public health							
6	Lecture 6. Bioethics, culture and religion.	LO1	AI 1.1 AI 1.2	1			Vebinar in Zoom
	Seminar 6. Bioethics, culture and religion.	LO1	AI 1.1 AI 1.2	2	10	TT	Vebinar in Zoom
7	Lecture 7. Life as the highest value.	LO1	AI 1.2 AI 2.3	1	10	TT	Vebinar in Zoom

Week	Topic	LO	AI	Number of hours	Max. scores	Form of assessment of class	Form of class/ Platform
7	Seminar 7. Moral aspects of human reproduction. Ethical and medical problems of abortion. The specificity of the moral problems of medical genetics. In vitro fertilization. Surrogacy Ethical problems of new reproductive technologies.	LO1 LO2 LO3	AI 1.2 AI 2.1 AI 2.2 AI 2.3 AI 3.1 AI 3.2	2	10	TT	Webinar в Zoom
	PIWT 4. Consultation to PIW 3						
8	Lecture 8. Moral aspects of death.	LO 1 LO 3	AI 1.1 AI 3.1. AI 3.3	1	10	TT	Webinar in Zoom
	Seminar 8. The problem of criteria for human death. Biological and clinical death. PLO "brain death" problem. The psychology of terminal patients. The right to the truth about the last diagnosis. Euthanasia concept. Passive and active euthanasia. Palliative medicine. Hospices.	LO 1 LO 3	AI 1.1 AI 3.1. AI 3.2. AI 3.3	2	10	TT	Webinar in Zoom
9	Lecture 9. Moral, legal and organizational issues of organ and tissue transplantation.	LO1 LO2	AI 1.1 AI 2.1 AI 2.2 AI 2.3	1	10	TT	Webinar in Zoom
	Seminar 9. Moral problems of transplantation. Legal models for organ donation from cadaveric donors. Legal basis for transplantation of human organs and tissues in Kazakhstan. Ethics in the handling of dead bodies and anatomical preparations.	LO1 LO2	AI 1.1 AI 2.1 AI 2.2 AI 2.3	2	10	TT	Webinar in Zoom

Week	Topic	LO	AI	Number of hours	Max. scores	Form of class	Form of class/platform
	PIWT 5. Consultation to PIW 3						DLS MOODLE
	PIW 3 по Topic of 6-9 class topics	LO3 LO4	AI3.1 AI 4.1		50		DLS MOODLE
10	Lecture 10. Ethical and legal foundations of cosmetic surgery.	LO2	AI 2.1 AI 2.2	1	10	TT	Vebinar в Zoom
	Seminar 10. Ethical and legal foundations of cosmetic surgery.	LO2	AI 2.1 AI 2.2	2	10	TT	Vebinar в Zoom
MT						100	
Module 3. Biomedical studies							
11	Lecture 11. Ethical and legal foundations of biomedical research.	LO1 LO6	AI 1.1 AI 6.1 AI 6.2	1	10	TT	Vebinar в Zoom
	Seminar 11. International documents on the regulation of biomedical research. Ethics committees: status, functions and tasks.	LO1 LO6	AI 1.3 AI 6.1 AI 6.3	2	10	TT	Vebinar в Zoom
12	Lecture 12. Preclinical studies.	LO4	AI 4.1 AI 4.2 AI 4.3	1	10	TT	Vebinar в Zoom
	Seminar 12. Preclinical studies. Ethical standards for the use of animals in biomedical research.	LO4	AI 4.1 AI 4.2 AI 4.3	2	10	TT	Vebinar в Zoom
	PIWT 6. Consultation on 11-12 Topics						Vebinar в Zoom
13	Lecture 13. Clinical trails.	LO5	AI 5.1 AI 5.2	1	10	TT	Vebinar в Zoom

			AI 5.3					
	Seminar 13. Clinical trails	LO5	AI 5.1 AI 5.2 AI 5.3	2	10	TT	Vebinar в Zoom	
14	Lecture 14. Ethical problems of the application of biotechnologies in medicine.	LO1 LO2	AI 1.2 AI 2.2	1	10	TT	Vebinar in Zoom	
	Seminar 14. Ethical issues and the main risk factors of biotechnology for human health and the environment: GMA, stem cells, cloning of organs and tissues. Biosecurity: structure and legal framework of regulation.	LO1 LO2	AI 1.2 AI 2.2	2	10	TT	Vebinar in Zoom	
	PI WT 7. Consultation on 13-14 topics.							
	PIW 5	LO1 LO2 LO4 LO5	AI 1.2 AI 2.3 AI 4.3 AI 5.3		50		DLS MOODLE	
15	Lecture 15. Ethical and legal problems of modern psychiatry, narcology, oncology and AIDS.	LO1 LO2	AI 1.1 AI 1.2 AI 1.3 AI 2.2	2	10	TT	Vebinar in Zoom	
	Seminar 15. Ethical issues and moral aspects of providing care to cancer patients, HIV-infected patients and people with drug addiction.	LO1 LO2	AI 1.1 AI 1.2 AI 1.3 AI 2.2	2	10	TT	Vebinar in Zoom	
	MT					100		DLS MOODLE
	Final exam					100		DLS MOODLE

Dean of faculty

Zh.A.Kalmatayeva

**Chair of Epidemiology, biostatistics and evidence-
based medicine**

S.A.Mamyrbekova

Chairman of Faculty methodical bureau

A.E.Yaliyeva

Performer

F.A.Iskakova