

AL-FARABI KAZAKH NATIONAL UNIVERSITY

FACULTY OF MEDICINE AND HEALTHCARE

CHAIR OF EPIDEMIOLOGY, BIostatISTICS AND
EVIDENCE-BASED MEDICINE

PROGRAM FINAL EXAM BY DISCIPLINE
Bioethics in Public Health

6 credits

Composer: act. Associate professor F.A.Iskakova

LMC OF COURSE IS APPROVED

On Academic Council of Medicine and Public Care Faculty

Protocol N _____ from “ “ ____ 2021.

**Reviewed and recommended at the meeting of
Epidemiology, Biostatistics and Evidence-Based Medicine**

Department from “ “ _____ 2021, Protocol N _____

Recommended by the faculty methodical bureau

« _____ »2021, Protocol N _____

Almaty, 2021

PROGRAM OF FINAL EXAM ON DISCIPLINE "BIOETHICS IN PUBLIC HEALTH"

Study topics for the exam: The final exam is conducted in the form of an "essay". Thematic content covers all types of work: topics of lectures and seminars, as well as assignments for independent work of PhD doctoral students.

Learning outcomes:

1. To understand the principles of bioethics and its role in public health.
2. To use ethical principles and rules in new biotechnologies used in public health.
3. To understand and use the criteria for death and human life.
4. To apply ethical principles in experimental research.
5. To apply ethical principles in clinical trials.
6. To know international regulatory documents.

List of topics to prepare for the exam

Module 1. Bases of Bioethics

Topic 1. Ethics as a philosophical science.

Ethics as a philosophical discipline. Essence, specificity, structure and functions of morality. The place of biomedical ethics in the structure of ethical knowledge. Ethics in medicine.

Topic 2. History of professional ethics of a doctor.

History and features of the professional ethics of the doctor. Medical ethics as a kind of professional ethics. History of Medical Ethics in Kazakhstan. Topic 3. Theoretical foundations of bioethics.

Theoretical foundations of bioethics. The concept of bioethics and socio-cultural prerequisites for its formation. Features of bioethics. Problematic issues of bioethics.

Topic 4. Moral values, principles and rules of biomedical ethics.

The highest moral values in medicine. Principles and rules of biomedical ethics.

Topic 5. Deontology in the context of bioethics.

Basic concepts and problems of modern medical deontology. Models of interaction between doctor and patient. Patient rights. Ethics of relationships in the medical team. Medical errors and iatrogenies in the activities of medical workers.

Module 2. Moral and legal aspects of public health Topic 6. Bioethics, culture and religion.

The relationship of bioethics, culture and religion.

Topic 7. Life as the highest value.

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.

Topic 8. Moral aspects of death.

The problem of criteria for human death. Biological and clinical death. The problem of "brain death". The psychology of terminal patients. The right to the truth about the last diagnosis. Euthanasia concept. Passive and active euthanasia. Palliative medicine. Hospices.

Topic 9. Moral, legal and organizational issues of organ and tissue transplantation. 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.

Topic 10. Ethical and legal foundations of plastic surgery.

Seminar 10. Ethical and legal foundations of plastic surgery.

Module 3. Biomedical Research

Topic 11. Ethical and legal foundations of biomedical research.

International documents regulating biomedical research. Ethics committees: status, functions and tasks.

Topic 12. Preclinical studies.

Preclinical studies. Ethical standards for the use of animals in biomedical research.

Topic 13. Clinical research.

Clinical research. Research phases.

Topic 14. Ethical problems of the application of biotechnology in medicine. Ethical issues and the main risk factors of biotechnology for human health and the environment: GMR, stem cells, cloning of organs and tissues. Biosecurity: structure and legal framework for regulation.

Topic 15. Ethical and legal problems of modern psychiatry, narcology, oncology and AIDS.

Ethical issues and moral aspects of providing care to cancer patients, HIV-infected patients and people with drug addiction.

EXAM RULES

1. At the time set by the teacher, doctoral students are authorized in the Moodle LMS and get access to the task "Final exam in the discipline".
2. Learn the topics of the instructor's essay.
3. Perform the task within 3 hours
4. Load the completed work on the case study into the LMS Moodle, for this:
 - 4.1 PhD doctoral students are authorized in LMS Moodle,
 - 4.2 open the element "Final exam in the discipline",
 - 4.3 select the item "Add answer to the task",
 - 4.4 upload their works in the file upload field,
 - 4.5 click "Save".

The form of the final control (exam):

WRITTEN- ESSAY

Form of conducting final control (exam) *.	Used platform	For whom recommended	Availability of proctoring, video recording, verification for plagiarism	Possibility automatic	How is done verification of works

				generating of tickets / questions	
WRITTEN: – essay	DLS MOODLE	For PhD students	Proctoring - no. Video recording at individual work - not required. Mandatory check for plagiarism in the works of doctoral students. Provided automatic check work for availability plagiarism with using 2 services: Antiplagiarism (required) and Strike Plagiarism (if necessary). 1 PPP check for 1 time of exam paper. Using Antiplagiarism system. PPP can provide possibility of checking work for a PhD student - 1 attempt configures in system teacher).	No	1. Teacher discipline gets ready files / responses in DLS Moodle. 2. Evaluates the work, checks on the presence of plagiarism. 3. Puts points in DLS MOODLE. 4. Transfer points to IS Univer statements.

Typology and approximate content of exam tasks:

Essay topics

1. Moral and ethical values of a doctor in the Republic of Kazakhstan.
2. Moral and ethical principles of the researcher in biomedical research.
3. Models of interaction between doctor and patient.
4. Ethical problems of new reproductive technologies.
5. Ethical problems of transplantation.
6. Compliance with ethical standards in clinical trials of new drugs.
7. Ethical problems of the application of biotechnology in medicine.

Evaluation policy

Traditional grade	Scores	Essay characteristics
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Perfect	90-100	The work was done independently and at a high scientific and methodological level. The text of the response shows that the doctoral student is capable of reflect (evaluate and process) mastered scientific methods activities and is also able to offer concepts, models and use new ways and professional tools. The work presents the author's vision of the problem and the corresponding argumentation. The work is done neatly, the doctoral student owns professional terminology writing scientific papers.
Good	75-89	The work is generally well written, but the author does not disclose or not fully illuminated individual topic questions. The work does not present the author's vision. Some inaccuracies, but they do not relate to the main content of the work. The answer reveals knowledge and understanding of the material by no less than 75%.
Satisfactory	50-74	The task was generally completed, but the author did not demonstrated problem analysis skills, not disclosed or not highlighted individual topic questions. The work does not represent the author's vision of the problem. The author does not know enough the methodology of scientific research. The answer contains inaccuracies related to the main content of the question.
Unsatisfactory	0-49	The task was not completed, or completed in less than by 50%. The task was not completed correctly.

Reference

Main reference:

1. Handbook of Global Bioethics. Henk A.M.J. ten Have Bert Gordijn. Springer Science+Business Media Dordrecht.- 2014.-234 p.
2. Биоэтика: Учебник /П.В. Лопатин О.В. Карташова. - 4-е изд., перераб. и доп. - М.: ГЭОТАР-Медиа , 2010
3. Шарон Е.Страус, В.Скотт Ричардсон, Пол Глацейо, Р.Брайан Хэйнци. Медицина, основанная на доказательствах. М., ГЭОТАР-Медиа, 2010 г. 320 с.
4. В.И. Петров, С.В. Недогода. Медицина, основанная на доказательствах. Учебное пособие. М., ГЭОТАР-Медиа, 2009 г. 144 с.

Additional reference:

1. Global Bioethics: Building on the Leopold Legacy Paperback – January 31, 1988 343 p.

Websites:

1. www.gapminder.com
2. www.cdc.gov
3. www.who.org
4. www.medline
5. www.cockraine.library
6. www.PubMed.