

MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION

PENZA STATE UNIVERSITY

MEDICAL INSTITUTE



AGREED:

Director of the Medical Institute

A.N. Mitroshin

» March 2016 г.

STUDY PROGRAMME

C1.1.2 Bioethics

Course – 31.05.01 – General Medicine

Graduate's Degree - specialist

Type of study – full-time

Penza, 2016

1. Aims and goals

The aims and goals of the discipline Bioethics are as follows the formation of moral-ethical norms, rules and principles of professional conduct in the medical community. Tasks of the study of the discipline are:

- the study of the basic ethical documents of international and domestic professional medical associations and organizations;
- studying of bases of mutual relations "doctor-patient", "doctor-relatives";
- understanding of ethical issues in medical genetics, transplantation of human organs and tissues, entrepreneurial activities in medicine and other.

2. Links to other disciplines of the general curriculum

Academic discipline refers to the humanitarian, social and economic cycle C.1. Required during the development of the discipline "Bioethics" are the knowledge, skills and readiness in the disciplines of Psychology and pedagogics", "History of Fatherland", "Philosophy", "Jurisprudence". Competences acquired in the course of study of discipline "Bioethics" prepare students for the development of professional competencies. The main provisions of discipline should be used for further study the following disciplines: "of Faculty therapy, occupational diseases", "Of faculty surgery, urology, Neurology, medical genetics, neurosurgery, Psychiatry, medical psychology", "Pediatrics", "Outpatient treatment", "Dermatovenerology", "Ophthalmology", "Obstetrics and gynecology", "hospital therapy, endocrinology", "Phthysiology", "Forensic medicine", "Infectious diseases", "Stomatology", "Outpatient therapy, Oncology, radiation therapy, Otolaryngology, Traumatology and Orthopaedics", and also in preparation of final qualifying work.

3. Student competences, developed during learning discipline "Bioethics" **In the result of studying the discipline student must:**

Know:

- basic ethical terms and ethical;
- basic ethical documents professional medical associations and organizations;
- the ethical foundation of biomedical research and application of new medical technologies;
- notions of professional responsibility of doctors, professional medical error;
- ethical and legal basis of the status of the patient and the doctor;
- ethical and professional culture of a doctor;
- ethical standards of professional medical ethics.

Student need to be able:

- to defend their scientific and medical position;
- to protect the civil rights of doctors and patients of different age;
- lead a discussion, using various ethical methods of conflict resolution;
- to build and maintain working relationships with other team members.

The student must have the skills of:

- principles of medical deontology and medical ethics;
- skills and principles of moral culture, of presenting an independent point of view, analysis and logical thinking, ethical reasoning, debate;
- reasoning to problem solving ethical and legal issues of medical practice, protect the interests of the patient;
- methods the ethical analysis of professional activity of doctor;
- ways of permission of problem situations and conflicts;
- the skills of philosophical interpretation of the scientific and practical medical problems.

The study of bioethics is aimed at the formation of the following competences in accordance with FSES HPE in this specialty:

Co mpe- tence code	Name of the compe- tence	Structural elements of the competence (knowledge, skill, application as a final learner outcome)
1	2	3
GCC -2	the ability to use the basics of philosophical knowledge for the formation of ideological positions	Know: <ul style="list-style-type: none">- basic ethical terms and concepts, ethical theories;- the core ethical documents of international and national professional medical associations and organizations;- the ethical foundation of biomedical research and application of new medical technologies.
		Be able to: <ul style="list-style-type: none">- to defend their scientific and medical position;- to protect the civil rights of doctors and patients of different ages.
		Master: <ul style="list-style-type: none">- principles of medical deontology and medical ethics;- skills and principles of moral culture, of presenting an independent point of view, analysis and logical thinking, ethical reasoning, of debate.
GCC -4	the ability to act in emergency situations, bear	Know: <ul style="list-style-type: none">- notions of professional responsibil-

	social and ethical responsibility for decisions	ity of doctors, professional medical error; - ethical and legal basis of the status of the patient and the doctor.
		To be able to: - to debate in terms of pluralism of opinions, applying a variety of ethical methods of conflict resolution;
		Master: - reasoning to problem solving ethical and legal issues of medical practice, protect the interests of the patient; - methods ethical analysis of professional activity of the doctor.
GCC - 8	willingness to work in a team, tolerant to perceive social, ethnic, confessional and cultural differences	Know: - ethical and professional culture of a doctor; - ethical standards of professional medical ethics.
		Be able to: - to build and maintain working relationships with other team members.
		Master: - ways of permission of problem situations and conflicts; - the skills of philosophical interpretation of the scientific and practical medical problems.

4. Structure and content of the discipline « Bioethics»

4.1. Structure of the discipline (module)

Overall workload equals 2 ECTSs, 72 hours.

№	Names of parts and topics of the discipline	Semester	Week of the semester	Types of learner activities, including students' individual work and workload (in hours)									Forms of current assessment (divided in weeks)							
				Class study				Individual work					Discussion	Tutorial	Test assessment	Test paper grading	Research paper assessment	Essays and other creative work assessment	term paper (project)	other
				Total	Lectures	Practical classes	Laboratory classes	Total	Preparation for class study	Abstract, essay	Term paper (project)	Exam preparation								
1.	Part 1. Bioethics as a science	3	1,2	4	2	2	-	3	2	1	-	-	2			-	2	-	-	-
2	Topic 1.1. Bioethics as a science	3	1	2	2	-	-	1,5	1	0,5	-	-	2			-	-	-	-	-
3	Topic 1.2. The moral dimension of being human and moral motivation medical practice in biomedical ethics	3	2	2	-	2	-	1,5	1	0,5	-	-	2			-	2	-	-	-
4	Part 2. Statiment of general principles in biomedical research involving human participans	3	3,4	4	2	2	-	3	2	1	-	-	4			-	4	-	-	-
5	Topic 2.1. Statiment of general principles in biomedical research involving human participans	3	3	2	2	-	-	1,5	1	0,5	-	-	4			-	-	-	-	-
6	Topic 2.2. Ethical theory and biomedical ethics. The nature and main types of ethical conflicts in modern biomedicine	3	4	2	-	2	-	1,5	1	0,5	-	-	4			-	4	-	-	-
7	Part 3. Ethical review of biomedical	3	5,6	4	2	2	-	5	4	1	-	-	6			-	6	-	-	-

	research																		
8	Topic 3.1. Ethical review of biomedical research	3	5	2	2	-	-	1,5	1	0,5	-	-	6			-	-	-	-
9	Topic 3.2. Rights and obligations of doctors and patients from the point of view of bioethics	3	6	2	-	2	-	3,5	3	0,5	-	-	6			-	6	-	-
10	Part 4. General ethical issues	3	7,8	4	2	2	-	3	2	1	-	-	8			-	8	-	-
11	Topic 4.1. General ethical issues	3	7	2	2	-	-	1,5	1	0,5	-	-	8			-	-	-	-
12	Topic 4.2. Medico-ethical features of doctor-patient communication. Man and disease. Colloquium, testing.	3	8	2	-	2	-	1,5	1	0,5	-	-	8	8	8	-	8	-	-
13	Part 5. Statement of specific principles for clinical evaluation of drugs	3	9, 10	4	2	2	-	3	2	1	-	-	10			-	10	-	-
14	Topic 5.1. Statement of specific principles for clinical evaluation of drugs	3	9	2	2	-	-	1,5	1	0,5	-	-	10			-	-	-	-
15	Topic 5.2. Moral and ethical problems of clinical trials and experiments on human subjects	3	10	2	-	2	-	1,5	1	0,5	-	-	10			-	10	-	-
16	Part 6. Statement of specific principles for epidemiological studies	3	11,12	4	2	2	-	3	2	1	-	-	12			-	12	-	-
17	Topic 6.1. Statement of specific principles for epidemiological studies	3	11	2	2	-	-	1,5	1	0,5	-	-	12			-	-	-	-
18	Topic 6.2. Epidemiology, and human rights. AIDS as a global problem of modernity. Features ethics of psychiatry and psychotherapy.	3	12	2	-	2	-	1,5	1	0,5	-	-	12			-	12	-	-
19	Part 7. Statement of specific principles for human genetics and genomics research	3	13,14	4	2	2	-	3	2	1	-	-	14			-	14	-	-
20	Topic 7.1 Statement of specific principles for human genetics and genomics research	3	13	2	2	-	-	1,5	1	0,5	-	-	14			-	-	-	-
21	Topic 7.2. Genetic engineering, its impact on the status of a person. The specificity of the moral challenges of medical genetics.	3	14	2	-	2	-	1,5	1	0,5	-	-	14			-	14	-	-

4.2. Content of the discipline

Part 1. Bioethics as a science

Topic 1.1. Bioethics as a science.

Ethics: definition, subject, main tasks, principles, methods, main types. The main range of problems of biomedical ethics. The story of the basic ethical teachings. The history of biomedical ethics. Bioethics in modern world.

Topic 1.2. The moral dimension of human life and moral motivation of medical activity in bio ethical ethics.

Goal and objectives of the training course. The methodology for the study of bioethics at the University. The concept of bioethics, its subject, tasks, principles, methods. The moral dimension of human life and moral motivation of medical activity. Forms of social regulation of medical activity. The oath of Russian physician 1999. The world medical Association and its documents on bioethics. Modern biomedical technology and new situations of moral choice in medicine.

Part 2. Statement of general principles in biomedical research involving human participants.

Topic 2.1. Statement of general principles in biomedical research involving human participants.

The essence, the content of morality. Ethics as a system of principles, norms, ideals. The structure and function of morality. The historical model and moral principles of biomedical ethics.

Topic 2.2. Ethical theory and biomedical ethics. Character and main types of ethical conflicts in modern Biomedicine.

Moral principles as basic understanding of proper human behavior. Character and main types of ethical conflicts in modern medicine. Idealistic-ethical, religious, moral consciousness. Ethical theory and biomedical ethics.

Part 3. Ethical review of biomedical research

Topic 3.1. Ethical review of biomedical research

Health - individual and social. The basic criteria of General and mental health at who. The doctor as the guardian of public health. Regulation of health - laws and ethics. The expansion of the legislative and new areas of ethical regulation in health care. The law and ethics of health of the USSR and modern Russia.

Topic 3.2. Right and duties of doctors and patients from the point of view of bioethics.
The concept of human health, its definition, the basic criteria, types. The disease as a phenomenon in human life. The moral responsibilities of doctors. The main forms of social regulation in medicine. The rights of patients and doctors, the basic rules of biomedical ethics. The patient's right to refuse medical intervention. Medical secrecy (confidentiality). The rule of truthfulness. The rule of respect for privacy.

Part 4. General bioethical issues.

Topic 4.1. General bioethical issues.

Basic models the relationship doctor-patient. The principle of informed consent. Informed consent: the procedure to the doctrine. The definition, structure, elements and scope of the required information of the patient. The concept of "voluntary" and "competence" in bioethics.

Topic 4.2. Medico-ethical features of doctor-patient communication. Man and disease. Colloquium, testing.

The man and the disease. The main types of relationships doctor-patient. The principle of informed consent and the standard of competence. The patient's right to information and the duties of physicians and researchers to inform. Paternalism and antimaterialism in modern medicine. Engineering (technical), pastoral, collegial, contractual and contractual models attitudes of doctors and patients on R. the Vitsajärvi. Medical and ethical features of providing primary health care. The problem of medical errors. The man and the disease. The Colloquium, testing.

Part 5. Statement of specific principles for clinical evaluation of drugs.

Topic 5.1. Statement of specific principles for clinical evaluation of drugs.

The code of ethics of clinical trials and medical and biological experiments on human subjects. Basic ethical principles and rules of testing and experimentation. Rules of clinical trials of medicinal products. Eth-

ical principles of conduct experiments on animals.

Topic 5.2. Ethical problems of clinical trials and biomedical research involving human subjects.

Experiment scientific method. The history of medical experiment. The Nuremberg code, the Declaration of Helsinki and other international documents guaranteeing protection of the rights and dignity of the test. Russian national legislation regulating biomedical research. Typology of experiments in medicine Negative impact experiments on people's health. Ethical aspect of placebo. Legislative support of achieving the voluntary informed consent in experiments with human participation. The role of ethics committees in monitoring the experiments with participation of people. Moral principles of biomedical experiments on animals. The concept of the "three R" in experiments involving animals (replacement, reduction, improvement of quality).

Part 6. Statement of specific principles for epidemiological studies.

Topic 6.1. Statement of specific principles for epidemiological studies.

Epidemiology and ethics. AIDS - ethical problems. Ethics in psychiatry and psychotherapy. Ethical aspects of epidemiology, preventive control measures. Socio-cultural aspects of the history of immunization. The problem of AIDS as a global society. Features ethics of psychiatry and psychotherapy. Epidemiology and human rights.

Topic 6.2. Epidemiology, and human rights. AIDS as a global problem of modernity. Features ethics of psychiatry and psychotherapy.

The right to a favourable environment. The right to epidemiological information, responsible for epidemiological misinformation. Infectious diseases as a potential source of social danger. Prevention and control measures. Socio-cultural context of the history of immunization. Two approaches in the fight against AIDS: model obligatory state registration and medical monitoring (for and against) and a model based on the priority of the autonomy of the patient (for and against). Moral problems of physical and mental integrity of the patient: the ethical aspect of the history of psychiatry. Protect the legitimate rights and interests of the mentally ill. Voluntary psychiatric assistance. "Therapeutic cooperation" with the patient and his family and friends. The specificity of medical secrecy in psychiatry. Ethical, legal and social guarantees of protection of professional independence psychiatrist. Treatment for alcoholism and drug dependence: the rights of patients receiving voluntary informed consent.

Part 7. Statement of specific principles for human genetics and genomics research introduction.

Topic 7.1. Statement of specific principles for human genetics and genomics research introduction.

The moral problems of realization of the international human genome project. Ethical problems of application of techniques used in medicine for diagnosis and correction of genetic disorders (genetic screening and testing, the genealogical method, prenatal diagnosis, etc.). The ownership of genetic information. Model health-genetic counselling. Ethical issues of cloning. The status of "clone". Ethical-legal regulation of medical experiments on human cloning. Public funding of cloning human embryos in China. Therapeutic cloning and its moral justification.

Topic 7.2. Genetic engineering, its impact on the status of a person. The specificity of the moral challenges of medical genetics.

Genetic engineering as a technology of the future. Moral problems of medical genetics. Eugenics, the improvement of human nature. History of the idea of improving the human species (Tomaso Campanella, developments in the field of eugenics, the National Socialist Party of Germany 1933-1945 and deskritycia of eugenics as a branch of medical science, the notion of "racial hygiene"). The "resurrection" of eugenics in 80-th years of XX century. Modern developments in the field of eugenics. Positive and negative eugenics.

Part 8. Statement of specific principles for research in transplantation introduction.

Topic 8. 1. Statement of specific principles for research in transplantation introduction.

Medical diagnostics death. Background the death of man from ancient times to modern times. Legal aspects of the death of a person in modern Russia. Stage of dying, psychology terminal patients. Euthanasia, its definition, kinds. Attitude to euthanasia and suicide in various public confessions. Background and legal framework of Transplantology. Moral problems of Transplantology.

Topic 8.2. The ethical problem of human death. Euthanasia: history, ethical and legal issues. Moral issues of transplantation.

The attitude of the doctor to the dying patient in traditional medical ethics (Hippocrates, Paracelsus). The definition of death: replacement of the old definition of death (no pulse and respiration) on new - brain death. Life-supporting technology (haemodialysis device in the centre "Artificial kidney" , Seattle, ventilator and others) and dying. Palliative medicine in Russia and abroad. Euthanasia: definition, history problems. The history of the autopsy. Transplantology: development history, the basic ethical problems and dilemmas. The moral justification of Transplantology. Ethics recipient. Ethical problems of xeno ransplantation and the risk of xenotransplantation.

Part 9. Statement of specific principles for assisted reproductive technologies

Topic 9.1. Statement of specific principles for assisted reproductive technologies.

The specificity of moral problems in the allocation of resources in different health systems. Moral problems of equitable distribution. The problem of corruption in medical activities. The concept of micro and macro levels in resource allocation medicine. Commercialization of medical activity and its influence on the moral climate in medicine. Moral bases of medical business.

Topic 9.2. Medical interventions in human reproduction. Colloquium, testing.

The ethical aspects of medical interventions in human reproduction. Moral status of the embryo, embryo-and fruit. Criteria for the recognition of the embryo a human being: the emergence of nervous strips (14 days), the ability to feel pain, religious beliefs (destiny of the soul in the embryo). Abortion and its types: normal, vacuum aspiration, medical. Liberal, conservative and moderate approaches to abortion. Moral and ethical problems of contraception. The point of view of religion on contraception: Judaism, Christianity, Islam, Buddhism. Ethical problems of prenatal diagnosis, in vitro fertilization (IVF). This problem is directly related to the question of the status of pre-embryos and embryos, as disputes go on whether ethical disposal of pre-embryos, not entered into the uterus, as well as to their use in experiments or freezing. If, as a result of the transfer of embryos into the uterus of a multiple pregnancy, the question arises: does the right of a woman to choose an abortion of one or more embryos. The ECO is also a choice of sex (gender), the newborn and the question of the moral side of that choice. Ethical problems of sexual material donation and surrogacy. The legal basis of regulation of surrogacy in Europe, the United States and Russia. Sperm donation and moral issues, the consequences for society. Freeze sexual gametes and ethical challenges of the future. The problems associated with prenatal diagnosis: indications for abortion in the case of genetic diseases and congenital diseases. Possible gender discrimination.

5. Teaching forms and techniques

Teaching the discipline "Bioethics" is conducted with the use of the following types of educational technologies:

- 1) lectures with the use of multimedia technologies;
- 2) practical classes;
- 3) execution of the written work;
- 4) individual consultations with the teacher in performing tasks in practical classes;
- 5) independent work of students;
- 6) case studies.

5.1. In order to implement an individual approach to the teaching of students who carry out the learning process on their own trajectory within the framework of an individual work plan, the study of this discipline is based on the following possibilities: providing out-of-class work with students in the electronic educational environment using appropriate software equipment, distance learning forms, resources, individual consultations, etc.

6. Teaching and learning materials for students' individual work.
Forms of current and interim assessment.

6.1. Outline of students' individual work

№	Topic	Type of individual work	Task a	Suggested reading material	Hours
1	Topic 1.1. Bioethics as a science	Preparation for class-room work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 c. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant", by password. 2. Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant", by password.	1,5
2	Topic 1.2. The moral dimension of being human and moral motivation medical practice in biomedical ethics	Summary, essays, preparing to test	Preparation of papers on the subject, preparing for the test lesson 1	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 c. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics. The philosophy of saving life and saving health 1. [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant", by password.	2
3	Topic 2.1. Statement of general principles in biomedical research involving human participants	Preparation for class-room work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 1	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 c. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant". 3. Biomedical Ethics [Electronic resource] / Shamov IA -M. : GEOTAR Media,2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant".	1,5
4	Topic 2.2. Ethical theory and biomed-	Summary,	Preparation of papers on	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 c. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html -	2

	ical ethics. The nature and main types of ethical conflicts in modern biomedicine	essays, preparing to test	the subject, preparing for the test lesson 1	EBS "Student consultant". 2. Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant". 3. Biomedical Ethics [Electronic resource] / Shamov IA -M.: GEOTAR Media,2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant".	
5	Topic 3.1. Ethical review procedures	Preparation for classroom work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 1	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M.: GEOTAR-Media, 2014. – 286 c.: ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant". 3. Biomedical Ethics [Electronic resource] / Shamov IA -M.: GEOTAR Media,2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant".	1,5
6	Topic 3.2. Rights and obligations of doctors and patients from the point of view of bioethics	Summary, essays, preparing to test	Preparation of papers on the subject, preparing for the test lesson 1	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M.: GEOTAR-Media, 2014. – 286 c.: ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant". 3. Biomedical Ethics [Electronic resource] / Shamov IA -M.: GEOTAR Media,2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant".	2
7	Topic 4.1. General ethical issues	Preparation for classroom work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 1	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M.: GEOTAR-Media, 2014. – 286 c.: ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics. The philosophy of saving life and saving health [Electronic resource]: textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant".	1,5

8	Topic 4.2. Medico-ethical features of doctor-patient communication. Man and disease. Colloquium, testing.	Summary, essays, preparing to test	Preparation of papers on the subject, preparing for the test lesson 1	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 с. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant".	2
9	Topic 5.1. Statement of specific principles for clinical trials and experiments on human subjects	Preparation for classroom work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 2	1. Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant". 2. Bioethical Workshop [Electronic resource]: a tutorial / Mikhalovsk-Karlova EP, Gorelova L.E. - M.: Litterra, 2012. - http://www.studmedlib.ru/book/ISBN9785423500580.html	1,5
10	Topic 5.2. Moral and ethical problems of clinical trials and experiments on human subjects	Summary, essays, preparing to test	Preparation of papers on the subject, preparing for the test lesson 2	1. Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant". 2. Bioethical Workshop [Electronic resource]: a tutorial / Mikhalovsk-Karlova EP, Gorelova L.E. - M.: Litterra, 2012. - http://www.studmedlib.ru/book/ISBN9785423500580.html	2
11	Topic 6.1. Statement of specific principles for epidemiological studies	Preparation for classroom work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 2	1. Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant". 2. Bioethical Workshop [Electronic resource]: a tutorial / Mikhalovsk-Karlova EP, Gorelova L.E. - M.: Litterra, 2012. - http://www.studmedlib.ru/book/ISBN9785423500580.html	1,5
12	Topic 6.2. Epidemiology, and hu-	Summary,	Preparation of papers on	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 с. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html -	2

	man rights. AIDS as a global problem of modernity	essays, preparing to test	the subject, preparing for the test lesson 2	EBS "Student consultant". 2. Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant". 3. Biomedical Ethics [Electronic resource] / Shamov IA -M.: GEOTAR Media,2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant".	
13	Topic 7.1 Statement of specific principles for human genetics and genomics research introduction	Preparation for classroom work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 2	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M.: GEOTAR-Media, 2014. – 286 c.: ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant". 3. Biomedical Ethics [Electronic resource] / Shamov IA -M.: GEOTAR Media,2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant".	1,5
14	Topic 7.2. Genetic engineering, its impact on the status of a person. The specificity of the moral challenges of medical genetics.	Summary, essays, preparing to test	Preparation of papers on the subject, preparing for the test lesson 2	1. Bioethics. The philosophy of saving life and saving health [Electronic resource]: textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant". 2. Bioethical Workshop [Electronic resource]: a tutorial / Mikhalovsk-Karlova EP, Gorelova L.E. - M.: Litterra, 2012. - http://www.studmedlib.ru/book/ISBN9785423500580.html	2
15	Topic 8.1. Statement of specific principles for research intransplantation introduction	Preparation for classroom work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 2	1. Bioethics. The philosophy of saving life and saving health [Electronic resource]: textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant". 2. Bioethical Workshop [Electronic resource]: a tutorial / Mikhalovsk-Karlova EP, Gorelova L.E. - M.: Litterra, 2012. - http://www.studmedlib.ru/book/ISBN9785423500580.html	1,5
16	Topic 8.2. The eth-	Sum-	Preparation	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M.: GEOTAR-Media, 2014. – 286 c.:	2

	ical problem of human death. Euthanasia: history, ethical and legal issues. Moral issues of transplantation	mary, essays, preparing to test	of papers on the subject, preparing for the test lesson 2	ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant".	
17	Topic 9.1. Tatement of specific principles for assisted reproductive technologies introduction	Preparation for classroom work, preparation for the classification and testing	Read lecture plans and relevant sources of recommended literature, preparation for the test session 2	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 c. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - M.: GEOTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant".	3
18	Topic 9.2. Medical interventions in human reproduction. Colloquium, testing.	Summary, essays, preparing to test	Preparation of papers on the subject, preparing for the test lesson 2	1. Biomedical Ethics [Electronic resource] / Shamov I.A. M. : GEOTAR-Media, 2014. – 286 c. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant". 2. Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant". 3. Biomedical Ethics [Electronic resource] / Shamov IA -M. : GEOTAR Media,2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant".	3

6.2. Instructional guidance for individual students' work

Preparation for classroom work is carried out accordingly to the issues of the subjects, the material read teacher's lectures, and also with use of basic and additional literature on the given topic. Preparation for the competition is carried out weekly on theoretical issues to the test classes 1 and 2 and the issues to the test. Preparation of the essay, essay is on the topics suggested by the teacher. In the preparation of paper you are using a recommended basic and additional literature on the study discipline, and other literary sources. The volume of abstract is 7-10 pages of A4 format, the text and a half. The composition of the abstract must include: title page, table of contents, introduction, main part, conclusion, references.

6.3. Current and interim assessment materials

Competence development assessment

No	Type of assessment	Topics (parts) assessed	Competences and elements assessed
1	Check abstracts	Part 1-9	GCC -2, GCC -4, GCC -8
2	Interview	Part 1-9	GCC -2, GCC -4, GCC -8
3	Discussion	Part 1-9	GCC -2, GCC -4, GCC -8
4	Validation tests	Part 1-9	GCC -2, GCC -4, GCC -8

Demo variant of test №1

1. Ambulance Brigade left the call: a woman 40 years lost 2 fingers of the right hand that hang on the skin loskute (concrete slab fell on his hand). Emergency physician, being himself ailing, naturally wanted to finish the job quickly. But, when a woman was taken to the hospital, and it turned out that there does not produce mikrohirurgiû brushes, he refused to leave the woman in the hospital and, overcoming her own illness, was instructed to go to another hospital, where a woman could obtain a valid help.

What are the moral and ethical view gave rise to the action of a doctor?

2. Most of the patients at the clinic about critical limb ischemia due to pronounced their atherosclerotic lesions, shows surgical treatment-şuntiruûsâ surgery to restore blood flow in the blood. However, approximately half of the patients treatment limited the conservative method as preferred in young patients, who will be able in the future to comply with the prescribed regime, give up smoking, will be able to acquire the expensive antiagregatnye drugs, that will cost the State money that purchased expensive prostheses. Why is this approach?

3. A physician-intensivist recommends parents to improve newborn with respiratory distress syndrome buy surfactant imported production, which will receive compensation from the manufacturer. He does not tell parents information about the existence of other equally effective and cheaper analogues of domestic production. What incentives determine the recommendation of a doctor?

4. The resources available for examination and treatment of patients with limited scope of the compulsory health insurance. In some cases, this means that the patient cannot undergo such a survey. The law restricts the actions of a doctor who is forced to either abandon the appointment required, from his point of view, either look for ways how to get around this law. He particularly negative impact on patients of large hospitals, where people come from all over the country. What are the ethical foundation of the Act?

5. Working in the Institute of surgery. A. Vishnevsky, a young intern was a witness to the next case. During duty suffered a relapse of bleeding in a patient underwent 3-4 day ago complicated surgery on the hip. His doctor immediately aircraft arrived in Office, although he lived on the other side of Moscow, and an operation to stop the bleeding could be carried out and the officer then surgeon, qualified specialist, candidate of medical science. And after a while it became clear that the arrival of the doctor and his family did not get to the most interesting show, tickets for which were almost impossible to get hold of, and for which he really wanted to go. Than was determined by the Act of a physician, sacrificing family holiday?

6. The 35-year-old patient with benign tumor of cervical spinal cord during surgery a complete interruption of the spinal cord. The patient only craniocerebral nerves and completely preserved consciousness. Within 2 years of artificial ventilation (AV), and the patient insists on its termination. The doctor decides not to continue. What ethical views has been determined by decision of the doctor?

7. In the Emergency Department of the hospital with accident scene machine ambulance in critical condition transported 25 years girl. He was pronounced dead during clinical death, resuscitation did not bring the positive effect. From the donor Center received a proposal to withdraw intact organs for transplantation, but rheumatologists continued resuscitation. What moral and ethical views has guided physicians rheumatologists?

8. The clinic received a house call to male 47 years old, suffering from arterial hypertension. Was examined by a local therapist, diagnosis "hypertensive crisis". Appointed as consulting neurologist. On examination the neurologist was suspected subarachnoid hemorrhage, but the patient has categorically refused hospitalization, saying that it is normal and it will cost the KRIZ. Only through the perseverance of neurologist and head of the Clinic patient persuaded go to hospital, where the diagnosis of subarachnoid hemorrhage was confirmed, assigned the appropriate treatment, and after a course of therapy, the patient was discharged almost healthy. What moral concepts has been the insistence of doctors?

9. The first aid hospital is missing 24-endoscopic service, but patients with emergency surgical diseases, including gastrointestinal bleeding, are available 24 hours a day. The most effective and safest way to stop bleeding is recognized by endoscopic hemostasis. In the absence of the last patient trying to treat conservatively and with poor performing surgery for negatives in terms of anemia, violations vodno-elektrolitnogo balance extremely unfavorable. When a patient with gastrointestinal hemorrhage responsible surgeon calls endoskopistu, which at any time of the day arrives at the hospital and stops the bleeding. It should be noted that night work endoscopist not paid. What are the moral and ethical views define the behavior of the endoscopist?

10. Head nurse suffers a brain disease demieliniziruûsim. Against the backdrop of the therapy can achieve the minimum of progressive change, but irreversible changes already, and they limit the labour regime. She continues to work at the Office, but was unable to cope with its responsibilities. Part of the team feels sorry for her, some believed that it should go in the post below or leave. Every day there are conflicts against a backdrop of inconsistencies in the work of the staff of the Office. Doctors are evaluating the situation of conflict, advised her to leave the post. Given the scarcity and lack of personnel head office left a woman to serve as her older sister. What motives have identified the head of the Department?

Demo variant of questions for the tutorial №1

1. Ethics. The definition of the subject of ethics. The main tasks of ethics.
2. Morality. The definition. The essence. Specificity. The content.
3. Ethics as a system of principles, norms, ideals, moral principles of the moral norms, moral ideal).
4. The structure of morality: the moral relationships, moral consciousness, moral behavior.
5. Functions of morals (human nature and humanizing, regulatory, educational, cognitive, communi-

cative).

6. The patient's right to information and the duties of physicians and researchers to inform.
7. The patient's right to refuse medical intervention. Medical secret (rule of confidentiality).
9. The rule of truthfulness. The rule of respect for privacy.
10. Paternalism and antimaterialism in modern medicine.

Questions and tasks for the pass-fail exam

1. History and development of medical ethics. Factors for the formation of contemporary medical ethics.
2. Moral dilemmas and moral reasoning. Tests of ethical theories. Moral and non-moral action-guides.
3. Teleological (Consequentialist) ethical theories. Utilitarianism. Act utilitarianism. Situational ethics. Rule utilitarianism. Advantages and limitations.
4. Deontological theories. Kant s “categorical imperative”, Limitations of deontological ethics.
5. The language of rights. Human rights in medical context. Positive and negative rights Patient s rights..
6. The principle of autonomy. The concept of autonomy. The medical model dominated by autonomy. Informed medical of treatment.
7. Informed consent. Functions and elements-disclosure of information, comprehension of information, voluntary concept, competence to consent.
8. Euthanasia as a moral problem. Killing and letting die obligatory and optional means of treatment. Ethical and legal regulations.
9. The principle of beneficence. Positive beneficence as a moral duty or a desirable act. The principle of utility. Cost-benefit analysis.
10. Paternalism. The paternalistic medical model. Strong and weak paternalism.
11. The principle of justice. The concept of justice. Comparative justice and the problem of scarce resources. Formal and material principles of justice. John Rawls s theory of justice.
12. Microallocation. Access to scarce resources. Criteria and standards-Interdependence of macro and micro levels.
13. Ethical problems in transplantations. Donors and recipients. Ethical guidelines and legal regulations.
14. Ethical problems in human reproduction: contraception, sterilization, abortion, artificial insemination, in vitro fertilization and embryo transfer, surrogate motherhood.

7. Information materials for the discipline Bioethics.

№ п/п	Name and brief description of electronic publications and information databases	Number of ac- cess points
	Basic reading:	
1	Biomedical Ethics [Electronic resource] / Shamov I.A. - М. : GEOTAR-Media, 2014. – 286 с. : ил. - ISBN 978-5-9704-2976-1. http://www.studentlibrary.ru/book/ISBN9785970429761.html - EBS "Student consultant", by password.	Not limited
2	Bioethics. The philosophy of saving life and saving health [Electronic resource] : textbook / Yu.M. Khrustalev. - М.: GE- OTAR-Media, 2015. - http://www.studmedlib.ru/book/ISBN9785970433287.html - EBS "Student consultant", by password.	Not limited

3	Bioethics [Electronic resource]: Textbook. allowance for students studying in the specialties of higher education. prof. the formation of the group "Public Health" / V. V. Sergeev and others - M.: GEOTAR-Media, 2013. - http://www.studmedlib.ru/book/ISBN9785970425961.html - EBS "Student consultant", by password.	Not limited
4	Biomedical Ethics [Electronic resource] / Shamov IA -M.: GEOTAR Media, 2014 http://www.studmedlib.ru/book/ISBN9785970429761.html - EBS "Student consultant", by password.	Not limited
5	History and modern issues of the development of bioethics [Electronic resource]: textbook / Balalykin DA, Kiselev AS - M.: GEOTAR-Media, 2012. - http://www.studmedlib.ru/book/ISBN9785970420577.html - EBS "Student consultant", by password.	Not limited
	Supplementary reading:	
1	Bioethical Workshop [Electronic resource]: a tutorial / Mikhalovsk-Karlova EP, Gorelova L.E. - M.: Litterra, 2012. - http://www.studmedlib.ru/book/ISBN9785423500580.html - EBS "Student consultant", by password.	Not limited
2	Bioethics [Electronic resource]: a textbook / Ed. P.V. Lopatin. - 4 th ed., Pererab. and additional. M.: GEOTAR-Media, 2011. - http://www.studmedlib.ru/book/ISBN9785970417690.html - EBS "Student consultant", by password.	Not limited
	Software and internet resources	
1	www.studmedlib.ru - EBS "Student consultant", digital library	Not limited
2	http://elibrary.ru/ – Scientific electronic library-eLibrary.ru	Not limited
3	«Microsoft Windows»; registration number 00037FFEBA CF8FD7, treaty № LED -130712001 or 12.07.2013; free software : OpenOffice; Adobe Acrobat Reader	

8. Material and technical support of the discipline (module) Bioethics

№ п/п	Audiences (Housing 17)	Name of material and technical support
.	17-202; 17-204 for conducting lectures, practical exercises, group and individual consultations, ongoing monitoring and intermediate certification	A set of educational furniture: desks, a teaching table, chairs, a board. Multimedia learning tools (multimedia projector, screen, laptop)

Study program for the discipline "Bioethics".

The program developers:

Associate Professor



Vorobyova E.E.

The study program for the discipline "Bioethics" is drawn in accordance with the federal state educational standard of higher education and academic plan for the course 31.05.01 – General Medicine.

The present study program is protected by copyright and cannot be reproduced in any form without written consent of the department-developers of the program.

The program was discussed and agreed at the department meeting

Records № 6 on "5" March 20 16

Head of the Dentistry Department



P.V. Ivanov

The program is agreed with the Dean of the Medical Faculty of PSU

Dean of the Medical Faculty

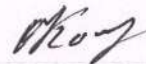


L.Ya. Moiseeva

The program was approved by methodological commission of the Medical Institute



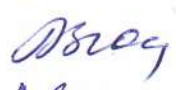
Records № 7 on "05" March 2016.

Chair of the methodological commission



O.V. Kalmin

Information on re-approval of educational program and registration of changes and amendments for the next academic year.

Academic year.	Sub-department's decision (№ record, signature of sub-departments head)	Changes and amendments	Page numbers		
			changed	added	annulled
2016/2017	Протокол № 9 от 13.06.2017 г.  П.В.Иванов	Изменение титульного листа в связи с приказом Мин. Обр.РФ № 320 от 10.04.2017 г. с «Врач - стоматолог общей практики» на «Врач - стоматолог»	1	1	-
2017/2018	Протокол № 1 от 30.08.2017 г.  П.В.Иванов	Переутверждена на 2017/2018 уч.год. Без изменений	-	-	-
2018/2019	Протокол № 2 от 2.07.2018  А.А. Золотарев	Переутверждено на 2018/2019 уч. год. Основан раздел №7 Учебно-методического и методического обеспечения дисциплины	2	-	-