

APPENDIX 5**ANNOTATIONS OF THE PROGRAMS OF THE SELECTED COURSE for the 2018-2019 academic year****in the specialty 560003 "Preventive medicine"****1 course 1 semester****Each student is required to gain 4.0 credits (ECTS) during the semester**

№	Department	CPV name	Credits	Annotations
1	Medical psychology, psychiatry and narcology	Fundamentals of Communication Psychology and medical communications	1,0	CPV "Fundamentals of Psychology of Communication and Medical Communications" is the knowledge of oneself, one's communication skills and the opportunity to acquire new knowledge and skills in this direction. The course is aimed at developing practical communication skills of students, acquiring theoretical knowledge and practical skills in the process of building communication and medical communications. Due to difficult socio-economic conditions and other factors at the present time, many people experience tension, instability, insecurity, which often lead to difficulties in communication, to conflict situations.

2	Philosophy and Social Sciences	Fundamentals of Spiritual and Moral Culture for Physicians	1,0	In modern conditions of our life, the role of morality and ethics, their creative potential should increase significantly. Since, unlike all other theoretical forms of knowledge, culture serves as a means of expressing the essence of consciousness and self-awareness of the era. Of course, a change in the character of a social epoch, its historical stage, is a change in the very content of the moral worldview. That is why morality is a specific form of analysis of social processes, their direction. So, the central point of moral problems, in general,
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				is a person and his relationship to the world, society and to himself.
3	Medical biology, genetics and parasitology	Tropical parasitology	1,0	<p>Knowledge of tropical parasitology expands students' holistic understanding of the biology of parasites, parasitic diseases, preventive measures aimed at combating parasites and protecting against pathogens and vectors of diseases. Knowledge of the basics of the ecology of parasites in tropical regions, the life cycles of human parasites, develops the ability to determine invasive stages in the development cycles of parasites, the habitat and the area of distribution of these parasites.</p> <p>Large migration of the population to different parts of the world, the arrival of foreign students from various countries, the presence of transit hosts of parasites and vectors suggest an expansion of the range of parasites and</p>

				the need for additional knowledge of tropical parasitology.
4	Biochemistry with a course in general and bioorganic chemistry	The role of nutrients in the human body	1,0	The main goal of the elective course is to expand and deepen students' knowledge about the role of chemical elements and their compounds in the life of the body, about the most important chemical transformations that underlie metabolism, about the use of some inorganic and organic substances in medicine.
5	Physics, mathematics, computer science and computer technology	Medical information systems	1,0	The content of the elective course covers a range of issues related to the historical development of the problems of medical information systems and technologies; computer methods of presenting medical information; classification of medical information systems; processing of medical knowledge; data transmission technologies, safety of medical information; methods of formalized presentation of medical data.

6	Physicists mathematics, computer science and computer technology	Nanotechnology in medicine preventive and health care	1,0	In an elective course, trainees focus on new and newest methods of prevention, diagnosis and treatment of diseases. These include laser therapy, radiation diagnostics and nanotechnology, etc., without which modern medicine and healthcare are inferior. The nanoscale technology is the molecular interactions of biostructures, correction on a thin structure, “at the root” of biosystems, which allows to detect pathological processes at the very beginning. The course program also discusses general concepts of basic medical devices and devices, and their classification.
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ANNOTATIONS OF OPTIONAL COURSE PROGRAMS

for the 2018-2019 academic year

in the specialty 560003 "Preventive medicine"

2 course 4 semester

Each student is required to gain 4.0 credits (ECTS) during the semester

№	Department	CPV name	Credits	Annotations
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	Hygiene disciplines	Environmental factors and human health	1,0	The course program presents issues that are important for human health and life expectancy. Also presented are factors of the human environment, such as air, water, food, soil, sources of their pollution, as well as diseases associated with a change in the natural composition of these factors associated with the use of various xenobiotics entering the human body and causing damage to his health.
	Normal physiology	Adaptive reactions of the body under conditions highlands	1,0	The lecture material on the topic "Adaptive reactions of the body in high mountains" reflects the factors highlands affecting humans, adaptive reactions of the body during short-term and long-term stay in high mountains. In practical classes, students analyze the stages of adaptation of the body to high mountains, consider urgent adaptive reactions of systems that ensure rapid delivery of oxygen to tissues. SRS allows students to understand the dependence of high-mountain hypoxia on the level of the mountain region, the peculiarities of the adaptive reactions of the body in different phases of adaptation to the high mountains..

	Public health and health care	Medical geography	1,0	<p>Geography and medicine are getting closer and closer every year, as a result of which a new scientific direction has appeared - medical geography.</p> <p>Medical geography is a scientific discipline that studies the impact of natural, economic and social conditions of various territories on the health of people inhabiting them. The main goal is to assist society in improving, including health improvement, the living environment of the population in order to achieve the highest level of its health.</p> <p>Gives knowledge about the influence of the characteristics of the geographical environment on human health, as well as the patterns of the geographical spread of diseases and other pathological conditions of a person</p>
	Clinical Rehabilitation and Physiotherapy	Therapeutic classic massage	1,0	The program is designed for the initial study of massage. It describes all types and techniques of massage, the hygienic basics of massage, the mechanism of the therapeutic effect of massage on the body, recommendations for massage of various parts of the body are given.
	Normal physiology	The participation of the endocrine glands in regulation of metabolism	1,0	The lecture material on the topic "The participation of endocrine glands in the regulation of metabolism" reflects the functions of hormones and the physiological effects of hormones on the human body. In practical classes, students analyze the mechanisms of action of hormones, the participation of certain hormones in the regulation of

				metabolism. CDS allows students to understand the role of hormones in the regulation of homeostasis, body development and reproductive function.
	Histology, cytology and embryology	Critical periods in human embryonic development	1,0	The purpose of the course is to study critical periods in human ontogenesis, to form students' scientific ideas about the patterns of individual development of the body; mechanisms of growth, morphogenesis and cytodifferentiation, causes of developmental abnormalities. The objective of the course is to deepen the knowledge gained in the process of studying the basic program, providing a theoretical foundation for the training and professional activity of a doctor.