

















| Competence code | Name of competence   | Module code, discipline code       |
|-----------------|--|------------------------------------|
| UC-13           | Apply methods of studying the health of the population for the organization and implementation of preventive and protective behavior   | 2.1.2                              |
| UC-14           | Use the means of physical culture and sports for maintaining and promoting health, as well as preventing diseases  | 2.16.1                             |
| UC-15           | Have the ability to competently use the fundamentals of legal knowledge in various spheres of life, possess the skills of searching for normative legal acts, analyzing their content and applying them in professional activity   | 2.1.2                              |
| UC-16           | Solve standard professional tasks based on the use of information and communication technologies, possess the skills of analysis of the content of scientific publications and apply its results in professional activity  | 1.3                                |
| BPC-1           | Work with optical devices, compile a human(patient) lineage, solve problems in molecular biology, general and medical genetics, parasitology, define pathogens of parasitic diseases and their carriers on macro - and micro-preparations  | 1.4.1                              |
| BPC-2           | Apply the basic biophysical patterns and knowledge concerning the general principles of medical equipment functioning to solve the problems of professional activity   | 1.4.2                              |
| BPC-3           | While providing medical care use knowledge about the patterns of the human body development and anatomical structure, its systems and organs, taking into account age, gender and individual characteristics   | 1.5.1                              |
| BPC-4           | While providing medical care use knowledge about the structure of the human body at tissue, cellular and subcellular levels, human embryogenesis and its pathology   | 1.5.2                              |
| BPC-5           | Use modern chemical, physical & chemical methods to analyze biological fluids, solutions of medicinal substances and biopolymers to make calculations based on the studies conducted   | 1.6.1                              |
| BPC-6           | Assess the properties of natural and synthetic organic compounds, potentially dangerous substances for the human body, predict their behavior in different biological environment  | 1.6.2                              |
| BPC-7           | Assess the indicators of a healthy and sick person physiological state on the basis of knowledge about the patterns of functioning and regulation of the human body vital activity, its organs and systems   | 1.8.2                              |
| BPC-8           | Use knowledge about the laws of the environmental factors impact on human health, apply methods of hygienic assessment of the human environment to develop basic preventive health-preserving measures   | 1.9.1                              |
| BPC-9           | Use knowledge about the pharmacological properties of medicines, master the principles of choosing rational pharmacotherapy to treat and prevent diseases and pathological conditions of the human body  | 1.10.3                             |
| BPC-10          | Apply knowledge about the main characteristics of microorganisms causing human infectious diseases, the patterns of the immune system functioning, the mechanisms of disease development in case of microbiological assessment   | 1.9.2                              |
| BPC-11          | Provide first aid in accidents, injuries, bleeding, poisoning and other conditions threatening human life and health   | 1.7.1                              |
| BPC-12          | Provide medical care for patients, perform nursing medical and diagnostic manipulations, apply methods allowing to organize medical waste collection and sterilization of medical devices  | 1.7.2                              |
| BPC-13          | Use knowledge about the molecular basis of the vital activity processes in the human body in normal and pathological conditions, apply the basic methods of biochemical investigation for disease diagnosis  | 1.8.1                              |
| EPC-1           | Apply regulatory legal acts to regulate legal relations in the field of healthcare, pre-trial settlement of disputes, analysis of corruption risks, prevention of corruption violations  | 2.1.2                              |
| EPC-2           | Use psychological and pedagogical knowledge about the goals and types of communications, the organization of the communicative process in healthcare, apply effective communication methods in resolving conflict situations in medicine   | 2.1.3                              |
| EPC-3           | Use knowledge about the risks of development and pathogenetic mechanisms of formation of radiation and ecology induced pathology, apply the methods of individual and population based prevention of diseases and pathological conditions caused by chronic low-dose physicochemical and biological effects  | 1.9.3                              |
| EPC-4           | Use knowledge about the epidemic process patterns and methods of their study, immunoprophylaxis of infectious diseases, principles of epidemiological examination of infectious diseases focal areas, organize preventive, sanitary and anti-epidemic measures for intestinal, aerosol infections and infections with a predominantly parenteral mechanism   | 1.9.4                              |
| EPC-5           | Use knowledge about the etiology, pathogenesis, morphological features of general pathological processes and diseases at different stages of their development, the causes and mechanisms of dying (thanatogenesis), interpret the results of pathoanatomical methods of sectional, biopsy and surgical material investigation, apply methods of clinical and anatomical analysis to make clinical and pathoanatomical diagnosis | 1.10.1                             |
| EPC-6           | Use knowledge about the etiology and pathogenesis of general pathological processes, typical forms of the human body organs and systems pathology while conducting pathophysiological assessment of the laboratory investigation data  | 1.10.2                             |
| SC-1            | Apply the principles and norms of biomedical ethics, ethical and deontological principles to provide medical care, assess conflict situations in medicine  | 2.1.1                              |
| SC-2            | Assess the current medical theories on the basis of knowledge about the ways and methods of organizing and providing medical care  | 2.1.2                              |
| SC-3            | Apply methods for calculating, analyzing and predicting health indicators of the population, use knowledge about the principles, types, forms and conditions of providing medical care to the population to plan the key performance indicators of health organizations, develop and make management decisions, assess medical, social and economic efficiency   | 2.12                               |
| SC-4            | Perform pathophysiological analysis of disease symptoms and syndromes, including the data of clinical, laboratory and other methods of patient examination   | 2.13.1                             |
| SC-5            | Develop a laboratory examination plan and interpret laboratory indicators  | 2.13.2                             |
| SC-6            | Carry out clinical examination of patients based on the knowledge about the semiotics of adult organs and systems lesions  | 2.2.1                              |
| SC-7            | Examine patients' condition applying radiation diagnostic methods, identify the main radiation symptoms and syndromes of human diseases applying the combined radiation imaging techniques and radiation therapy   | 2.2.2                              |
| SC-8            | Apply methods of examination, diagnosis, and primary care for the most common surgical diseases  | 2.3.1                              |
| SC-9            | Use knowledge about the human body structure, topography, functions of organs and systems taking into account the age aspect while performing basic surgical manipulations   | 2.3.2                              |
| SC-10           | Organize and provide medical assistance in emergency situations  | 2.4                                |
| SC-11           | Use knowledge of clinical symptoms, apply methods of patient examination, diagnosis and differential diagnosis, principles of treatment and prevention, make clinical diagnosis of dermatovenerological pathology, tuberculosis, major neurological and infectious diseases  | 2.5.1-2.5.3, 2.9.1, 2.15.1, 2.15.2 |
| SC-12           | Organize and provide primary medical care of adults on an outpatient basis, conduct examination of temporary disability, provide emergency medical care prior to hospitalization   | 2.5.4, 2.15.1                      |



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|-----------------|--|------------------------------|
| SC-13           | Provide primary and specialized medical care for the most common otorhinolaryngological, dental, eye diseases and injuries, including urgent and life-threatening conditions   | 2.6.1, 2.6.2                 |
| SC-14           | Perform general and local anesthesia, provide intensive care in emergency cases, apply cardiopulmonary resuscitation techniques in terminal conditions   | 2.6.3                        |
| SC-15           | Apply psychodiagnostic and psychocorrective methods, principles of disease treatment and prevention, make a clinical diagnosis in case of mental pathology while providing psychiatric care  | 2.7, 2.15.1                  |
| SC-16           | Provide primary and specialized medical care in cases of internal organs pathology, including urgent and life-threatening conditions, occupational diseases; conduct medical and social expertise of internal organs pathology, including occupational diseases; apply methods of tests interpretation for the diagnosis of autoimmune and allergic diseases, laboratory and immunological control data assessment during pathogenetic therapy | 2.8, 2.15.1                  |
| SC-17           | Provide primary and specialized medical care for endocrine diseases, emergency medical care for precomatose and comatose conditions of the endocrine origin  | 2.9.2, 2.15.1                |
| SC-18           | Assess the functional state and vital activity of the patient in case of the main disabling pathologies, choose the most effective means and methods for medical rehabilitation and physiotherapy  | 2.9.3                        |
| SC-19           | Choose effective and safe medicines for the individual treatment of adult diseases   | 2.9.4                        |
| SC-20           | Diagnose and provide emergency medical care for acute pathological conditions in cardiology, nephrology, gastroenterology and pulmonology  | 2.9.5                        |
| SC-21           | Diagnose and provide primary and specialized medical care for surgical and urological diseases and the most common malignancies  | 2.10, 2.15.3                 |
| SC-22           | Diagnose and apply the principles of the female genital organs pathology treatment, carry on management of pregnancy, provide medical care in childbirth and in the postpartum period, emergency conditions in obstetrics and gynecology   | 2.11, 2.15.3                 |
| SC-23           | Conduct forensic medical examination of corpses and living persons, examine the corpse at the site of its discovery (accident)   | 2.13.3                       |
| SC-24           | Assess clinical symptoms, apply methods of a sick child examination, laboratory and differential diagnosis, make a clinical diagnosis, master the principles of treatment, prevention and medical rehabilitation of children and adolescents   | 2.14, 2.15.2                 |
| SC-25           | Interpret the results of pathological anatomy methods of examination of sectional and biopsy (surgical) material, apply the methods of clinical and anatomical analysis and construction of clinical and pathoanatomic diagnoses   | 2.15.3                       |

Developed on the basis of the standard Curriculum for the specialty 7-07-0911-01 General Medicine. Registration № 7-07-09-001/np.

<sup>1</sup> It is allowed to combine practical sessions with theoretical training.

<sup>2</sup> Sub-Residency disciplines are approved by the Order of the Ministry of Health.

<sup>3</sup> The list of electives are approved by the Order of Higher Educational Institution.

<sup>4</sup> General educational disciplines "Philosophy and methodology of science", "Foreign language", "Fundamentals of information technology" are studied at the choice of the student

Abbreviations: d - differentiated credit tests; UC - universal competence; BPC - basic professional competence; SC - specialized competence  
EPC - extended professional competence

First Vice-Rector

Irina Moroz

11.04.2023

Head of Education Department

Natallia Fomchenko

11.04.2023

Dean of the Medical Faculty for International Students

Oleg Ishutin

11.04.2023

It's recommended for approval by the University Council

Protocol № 4 dated 11.04.2023