

*Summary of the working program of the academic discipline*

**« NURSING THE THERAPEUTIC AND SURGICAL PROFILE (EDUCATIONAL PRACTICE)»**

General Educational Program of higher education (specialist's degree programs )

31.05.01 General Medicine

Department: FACULTY OF SURGERY AND TRANSPLANTOLOGY

**1. The purpose of mastering the discipline:** participation in the formation of competencies - UC-8, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4

**2. Position of the academic discipline in the structure of the General Educational Program (GEP).**

**2.1.** The discipline refers to the core part of Block 2 of GEP HE

**3. Deliverables of mastering the academic discipline and metrics of competence acquisition**

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

| №  | Competence code | The content of the competence (or its part)   | Code and name of the competence acquisition metric  | As a result of mastering the discipline, the students should:   |   |   |
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|    |                 |   |   | know  | be able to  | possess   |
| 1. | UC-8            | Able to: create and maintain safe living conditions in everyday and professional life for the preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts | IUC 8.1 Knows: factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts; workplace safety rules<br>IUC 8.2 Can: identify dangerous and harmful factors in the framework of ongoing activities, create and maintain safe living conditions in everyday life and in professional activities<br>IUC 8.3 has practical experience: participation in planned exercises to develop rules of conduct in case of emergencies, first aid: complies with safety regulations at the workplace | factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts | identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday and professional life | Has practical experience in: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with safety regulations at the workplace |
| 2. | GPC-1           | Able to implement moral and legal norms, ethical and deontological principles in professional activities  | IGPC 1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of health care; legal aspects of medical practice<br>IGPC 1.2 Able to: apply ethical norms and  | basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects      | apply ethical norms and principles of behavior of a healthcare worker in the performance of their professional duties;                                      | Has practical experience in: solving standard problems of professional activity based on ethical norms and deontological  |

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|    |       |   | <p>principles of behavior of a medical worker in the performance of their professional duties; knowledge of modern legislation in the field of health care in solving problems of professional activity; apply the rules and norms of interaction moral and legal norms, ethical and deontological principles of behavior in the course of professional activity observe moral and legal norms in professional activities; express professional information in the process of intercultural interactions respecting the principles of ethics and deontology the skill of behavior in the implementation of professional activities of behavior in compliance with moral and legal norms, ethical and deontological principles doctor with colleagues and patients (their legal representatives)</p> <p>IGPC 1.3 Has practical experience: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice</p> | of medical practice   | <p>knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)</p> | <p>principles when interacting with colleagues and patients (their legal representatives) , knowledge of the legal aspects of medical practice</p> |
| 3. | GPC-4 | <p>Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the</p> | <p>IGPC 4.1 Knows the methodology for collecting an anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical examination; clinical picture, diagnostic</p>   | <p>the methodology of collecting anamnesis of life and diseases, complaints of patients (their legal representatives)</p> | <p>collect complaints, anamnesis of life and disease of patients (their legal representatives), identify risk factors</p>   | <p>Has practical experience in: collecting complaints, anamnesis of life and disease of patients (their legal representatives) , identifying</p>   |

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|  |  | <p>diagnosis</p> | <p>methods of the most common diseases; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations and (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p> <p>IGPC 4.2 Knows how to: collect complaints, anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of the development of diseases: apply methods of examination and physical examination of patients; interpret the results of the examination and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, etc. taking into account the standards of medical care; refer patients for</p> | <p>es); examination procedure; and physical examination; clinical aspect, methods of diagnosis of the most common diseases; methods of laboratory and instrumental investigations to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification of diseases and health-related problems (ICD); conditions requiring emergency medical care; procedure for the use of medical devices in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery taking into account the</p> | <p>and causes of diseases; apply methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology among patients; identify risk factors for cancer; formulate a preliminary diagnosis, to make a plan for conducting laboratory, instrumental and additional investigations of patients in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; to refer patients to laboratory, instrumental and additional investigations in accordance with the current procedures</p> | <p>risk factors and causes of disease development; examination and physical survey of patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional investigations, consultations of specialist doctors; referral of patients for instrumental, laboratory, additional investigations, consultations of specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international</p> |
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|  |  |  | <p>laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, and, subject to standards of care; refer patients for consultations to specialist doctors in accordance with the procedures for the provision of medical care, clinical recommendations and, taking into account the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of the main (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; use medical devices in accordance with the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, care taking into account the standards of medical care</p> <p>IGPC 4.3 Has practical experience: collecting complaints, anamnesis of life and disease in patients (their legal representatives). identification of risk factors and causes of disease development; examination and physical examination of</p> | <p>standards of medical care</p> | <p>for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures of medical care, clinical recommendations taking into account the standards of medical care; to interpret and analyze the results of consultations by medical specialists of patients; to interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; carry out differential diagnosis of diseases of patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening,</p> | <p>statistical classification of diseases and problems related to health (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care; the use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the issues of medical care delivery, assistance taking into account the standards of medical care</p> |
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|    |       |  | <p>patients; diagnosis of the most common diseases; identification of risk factors for major cancers; I formulated a preliminary diagnosis, drawing up a plan for conducting instrumental</p> <p>lab. laboratory, additional research, consultations of medical specialists; referral of patients for instrumental, laboratory, additional studies, consultations of specialist doctors in accordance with the current procedures for the provision of medical care, clinical guidelines and, taking into account standards of care; interpretation of additional (laboratory and instrumental) examinations of patients; provisional diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations and (treatment protocols) on the provision of medical care, care taking into account the standards of medical care</p> |                                 | <p>requiring medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p> |  |
| 4. | GPC-5 | Able to assess morphofunctional, physiological | IGPC 5.1 Knows: anatomy, histology, embryology, then graph  | anatomy, histology, embryology, | evaluate the basic morphologic  | Has practical experience in: assessment of |

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|    |       | conditions and pathological processes in the human body to solve professional problems   | and chess anatomy, physiology, pathological anatomy and physiology of human organs and systems<br>IGPC 5.2 Able to: evaluate the main morphological and functional data, physiological conditions and pathological processes in the human body<br>IGPC 5.3 Has practical experience: assessment of basic morphofunctional data, physiological states and pathological processes in the human body when solving professional problems   | topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems   | al and functional data, physiological conditions and pathological processes in the human body   | basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems   |
| 5. | GPC-6 | Able to: organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction | IGPC 6.1 Knows: the methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of providing medical care to patients in emergencies, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care, clinical recommendations and, taking into account the standards of medical care; clinical signs of major medical emergencies; principles of medical evacuation in emergency situations, epidemics and in the centers of mass destruction; principles of work in the centers of mass destruction; principles of organization of patient care, provision of primary health care<br>IGPC 6.2 Able to: | methods of collecting complaints and anamnesis of patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of medical care delivery to patients in urgent conditions, in emergency situations, epidemics and in centers of mass destruction in accordance with the procedures for providing medical care, clinical | recognize conditions that require healthcare delivery in an emergency form, including in the conditions of emergencies, epidemics and in the centers of mass destruction, requiring medical assistance in an emergency form; organize the work of medical personnel in emergency situations, epidemics and in centers of mass destruction; provide emergency medical care | Has practical experience in: assessing the condition requiring healthcare delivery in an emergency form, including in emergency situations, epidemics and in the centers of mass destruction; definition of life-threatening conditions, including the state of clinical death (arrest of vital important functions of the human body (blood circulation and (or) breathing) requiring medical care in the emergency form; medical care delivery in emergency form to patients in conditions, constituting life-threatening situations including clinical death |

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|  |  |  | <p>recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping vital functions of the human body (blood circulation and (or) respiration); use medicines and medical devices in the provision of medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment: organize patient care, provide primary health care</p> <p>IGPC 6.3 Has practical experience in: assessing a condition requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction; recognition of conditions that pose a threat to life, including the state of clinical death (stoppage of vital functions of the human body (blood circulation and (or) respiration), requiring emergency medical care; emergency medical care form patients under conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of</p> | <p>recommendations taking into account the standards of medical care; clinical signs of major emergency conditions; principles of medical evacuation in emergency situations, epidemics and in centers of mass destruction; principles of work in centers of mass destruction; principles of organization of patient care, first aid treatment</p> | <p>to patients in conditions that pose a threat to the life of patients, including (blood circulation and (or) respiration); use medicines and medical products when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care, provide primary health care</p> | <p>(arrest of vital functions of human body (blood circulation and (or) respiration); the use of medicines and medical products in the provision of medical care in case of emergency conditions and epidemics; use of personal protective equipment; organization of patient care, first aid measures</p> |
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|    |        |   | the human body (blood circulation and (or) respiration); the use of drugs and medical devices in the provision of medical care in emergency conditions and epidemics; personal protective equipment, organization of patient care, provision of primary health care   |  |   |   |
| 6. | GPC-10 | Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity | <p>IGPC 10.1 knows the capabilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and biological terminology; fundamentals of information security in professional activities</p> <p>IGPC 10.2 able to apply modern information and communication technologies to solve the tasks of professional activity; carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security</p> <p>IGPC 10.3 has practical experience in the use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security</p> | the capabilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and biological terminology; fundamentals of information security in professional activities | apply modern information and communication technologies to solve the tasks of professional activity; carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security | Has practical experience in the use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security |

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| 7. | PC-1 | Able to assess the condition of a patient requiring medical treatment in the emergency form                       | <p>IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency forms</p> <p>IPC 1.2 Able to: identify clinical signs of conditions requiring emergency or emergency medical care</p> <p>IPC 1.3 has methods for assessing the condition of a patient requiring medical care in emergency or emergency forms</p> | <p>etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results of patients requiring medical care in the emergency form</p> | <p>identify clinical signs of conditions requiring medical treatment in the emergency form</p>               | <p>assessment of the patient's condition requiring medical care in emergency or emergency forms</p>                             |
| 8. | PC-2 | Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious | <p>IPC 2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs;</p>  | <p>etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of</p>   | <p>identify clinical signs of conditions requiring emergency medical care; identify conditions requiring</p> | <p>provision of emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases</p> |

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|    |      | <p>signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care</p> | <p>methodology for collecting complaints and anamnesis from patients (their legal representatives); method of physical examination of patients (examination, palpation, percussion, auscultation): a list of laboratory and instrumental research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results: clinical signs of a sudden cessation of blood circulation and / or breathing<br/>IPC 2.2 Able to: identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing</p> | <p>the course, complications and outcomes of diseases of internal organs; methods of collecting complaints and anamnesis in patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of methods of laboratory and instrumental investigations to assess the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of blood circulation and/ or respiration</p> | <p>emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration</p>                  | <p>without obvious signs of a threat to the patient's life; state recognition. posing a threat to the life of the patient, including conditions of clinical death (stopping the vital functions of the human body (blood circulation and / or respiration), requiring emergency medical care; providing emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stoppage of vital functions of the human body (blood circulation and/or respiration)</p> |
| 9. | PC-3 | <p>Able to: provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to</p>   | <p>IPC 3.1 Knows: basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electropulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration</p>   | <p>basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillatio</p>   | <p>perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination</p> | <p>provision of emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping vital functions of the human body</p>   |

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|     |      | the patient's life, provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body (circulation and/or respiration) | IPC 3.2 Able to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)   | n); rules for performing external electrical impulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration   | with electrical impulse therapy (defibrillation)   | (blood circulation and/or respiration)  |
| 10. | PC-4 | Able to use medicines and medical devices for providing medical care in emergency forms  | IPC 4.1 Knows: basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electropulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration<br>IPC 4.2 Able to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation) | modern methods of using medicines, medical devices for diseases and conditions in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care in the provision of medical care in emergency or urgent forms; the mechanism of action of drugs, medical devices, medical indications and contraindications to their use; complication | prescribe medicines, medical devices taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery in emergency or urgent forms | provision of emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping vital functions of the human body (blood circulation and/or respiration) |

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|  |  |  |  | s caused by their use; principles of operation of devices for external electric pulse therapy (defibrillation); rules for performing external electric pulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration |  |  |
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#### 4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 4 CU (144 AH)

| Type of educational work                | Labor intensity             |                               | Labor intensity (AH) in semesters |  |  |  |
|---|-----------------------------|-------------------------------|-----------------------------------|--|--|--|
|   | volume in credit units (CU) | volume in academic hours (AH) | 1                                 |  |  |  |
| Classroom work, including               |                             |                               |                                   |  |  |  |
| Lectures (L)                            | 0,05                        | 2                             |                                   |  |  |  |
| Laboratory practicum (LP)*              |                             |                               |                                   |  |  |  |
| Practicals (P)                          | 1,95                        | 70                            |                                   |  |  |  |
| Seminars (S)                            |                             |                               |                                   |  |  |  |
| Student's individual work (SIW)         | 2                           | 72                            |                                   |  |  |  |
| Mid-term assessment                     |                             |                               |                                   |  |  |  |
| credit/exam ( <i>specify the type</i> ) |                             |                               |                                   |  |  |  |
| <b>TOTAL LABOR INTENSITY</b>            | <b>4</b>                    | <b>144</b>                    |                                   |  |  |  |

#### 5. Sections of the academic discipline and competencies that are formed

| Nº | Competence code  | Section name of the discipline  |
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| 1. | UC-8, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4 | Organization of work of junior medical staff in the surgical and therapeutic department |
| 2. | UC-8, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4 | Caring for patients in the medical and surgical department                              |