# MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

# SUMY STATE UNIVERSITY

Medical Institute

Department of Surgery, Traumatology, Orthopedics and Phthisiology

Department of Pediatrics

Department of Family Medicine with a course in dermatovenereology

## WORKING PROGRAM OF THE ACADEMIC DISCIPLINE

**NURSING**

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| --- | --- |
| **Higher education level** | Second level |
| **Specialty: Educational program** | 222 Medicine: Medicine |

Approved by the decision of the Medical Institute Quality Council

Protocol of \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ 202\_\_ y. № \_\_\_\_

Chairman of the Medical Institute Quality Council

\_\_\_\_\_\_\_\_\_\_\_\_  Petrashenko V. O.

(signature)

REVIEWS AND AGREEMENTS

WORKING PROGRAM OF THE ACADEMIC DISCIPLINE

Developers: Kravets Oleksandr, Bokova Svitlana, Manko Yuliіa

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| --- | --- | --- | --- |
| Reviewing the work program of the discipline | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Surname, initials, position of reviewer and / or date and number of protocol of the meeting of the Expert Council of Employers | | |
| Reviewed and approved at the meeting of the working project group (WРG) of the educational program  **"Nursing"** | Protocol of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.№\_\_\_ | | |
| Head of WPG  (guarantor of educational program) | **\_\_\_\_\_\_\_\_\_**  (signature) | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (surname, initials) |
| Considered and approved at the inter-departmental meeting of the departments of surgery, traumatology, orthopedics and phthisiology; pediatrics; family medicine with a course of dermatovenereology. | Protocol of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.№\_\_\_ | | |
| Head of  Department of Surgery,  orthopedics, traumatology  and phthisiology  Head of  Department of Pediatrics  Head of  Department of Family  medicine with course  dermatovenereology | **\_\_\_\_\_\_\_\_\_\_**  (signature)  **\_\_\_\_\_\_\_\_\_\_**  (signature)  **\_\_\_\_\_\_\_\_\_\_**  (signature) | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (surname, initials)  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (surname, initials)  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (surname, initials) |

Data on revision of the work program of the discipline:

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| --- | --- | --- | --- | --- | --- |
| The educational year in which changes are being made | Work program attachment number describing changes | Changes reviewed and approved | | | |
| Date and number of WPG meeting protocol. | Signature of WPG head (guarantor of educational program) | Date and number of the protocol of the meeting of the department | Head of Department |
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**Syllabus**

1. **General information**

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| --- | --- |
| **Full name** | Nursing |
| **Full official name of a higher education institution** | Sumy State University |
| **Full name of a structural unit** | Academic and Research Medical Institute. Кафедра хірургії, травматології, ортопедії та фтизіатрії |
| **Author(s)** | Kravets Oleksandr, Bokova Svitlana, Manko Yuliіa |
| **Cycle/higher education level** | The Second Level Of Higher Education, National Qualifications Framework Of Ukraine – The 7th Level, QF-LLL – The 7th Level, FQ-EHEA – The Second Cycle |
| **Semester** | 10 weeks across 6 semester |
| **Workload** | 3 ECTS, 90 hours. For full-time course 10 hours are working hours with the lecturer (10 hours of seminars), 80 hours of the individual study. |
| **Language(s)** | English |

1. **Place in the study programme**

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| **Relation to curriculum** | Compulsory course available for study programme "Medicine" |
| **Prerequisites** | Necessary knowledge of: medical terminology, medical biology, medical informatics, human anatomy, physiology, histology, cytology and embryology, biological and bioorganic chemistry, microbiology, virology and immunology, pathomorphology, pathophysiology, pharmacology hygiene and ecology. |
| **Additional requirements** | There are no specific requirements |
| **Restrictions** | There are no specific restrictions |

1. **Aims**

The purpose of the discipline is to master the student's basic techniques of professional activity of a nurse based on knowledge of age anatomical and physiological characteristics of the patient, medical biology, normal anatomy, normal physiology, histology and embryology, biochemistry, microbiology and virology, pathomorphology, pathophysiology, pharmacology and skills of clinical, laboratory and instrumental examination of the patient in compliance with the principles of medical ethics and de

1. **Contents**

MODULE 1. THE MAIN RESPONSIBILITIES AND PROFESSIONAL ACTIONS OF A NURSE

IN THE THERAPEUTIC DEPARTMENT. Тopic 1 Moral and ethical principles of nursing in Ukraine. Тopic 2 Responsibilities and actions of the post and manipulation nurse of the therapeutic department. Тopic 3 Duties of the nurse to ensure the diagnostic process in the therapeutic department. Тopic 4 Features of work of the procedure room of the therapeutic department and the duty of the nurse to provide them. Topic 5 Final control modul MODULE 2. THE MAIN RESPONSIBILITIES AND PROFESSIONAL ACTIONS OF THE NURSE OF THE SURGICAL

DEPARTMENT. Тopic 1 Work organization of the nurse in the surgical department. Sanitary and hygienic regime of the surgical department. Organization the work of a ward nurse. Тopic 2 Organization of work of the nurse in the admission department of the surgical clinic. Organization of the work of a nurse in a manipulation room. Тopic 3 Preparation of patients for urgent and planned operations. Patient care in the dressing room. Desmurgy. Topic 4 Care of patients in the postoperative period. Nutrition of patients in the postoperative period. Care for the elderly. Topic 5 Final control modul MODULE 3. BASIC RESPONSIBILITIES AND PROFESSIONAL

ACTIONS OF A PEDIATRIC NURSE. Тopic 1 Organization of work a nurses post. Medical documentation, procedure for management. Тopic 2 Duties and actions of the pediatric manipulation nurse. Тopic 3 Providing of medical and diagnostic process in a pediatric department. Тopic 4 Providing of medical and diagnostic process in a pediatric department. Topic 5 Final control modul

1. **Intended learning outcomes**

After successful completion of the internship, a student will be able to:

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| --- | --- |
| LO1 | Be able to apply ethical and deontological norms and principles in professional activity. |
| LO2 | To be able to conduct a conversation with the patient, his examination, palpation, percussion, auscultation based on algorithms and standards. |
| LO3 | Be able to analyze the results of laboratory studies. |
| LO4 | Perform medical manipulations by the nurse of the department. |
| LO5 | Be able to ensure the necessary work and rest regime determined by the doctor during the treatment of the disease; the patient's diet and eating conditions. |
| LO6 | To be able to organize work on the sanitary-hygienic and treatment-security regimes of the main units of the hospital. |
| LO7 | Be able to provide emergency medical aid in an emergency - perform indirect heart massage and artificial respiration, use various types of bleeding stops |
| LO8 | Be able to prepare a dressing room for work and apply different types of bandages. |
| LO9 | Be able to carry out pre-sterilization preparation and sterilization of surgical instruments and surgical linen. |
| LO10 | To be able to prepare the patient for surgery and carry out care and observation of the patient in the postoperative period. |
| LO11 | Be able to prepare the patient for various types of examinations |
| LO12 | To be able to fill in the documentation that is kept in the hospital |

1. **Role in the achievement of programme learning outcomes**

Programme learning outcomes:

For 222 Medicine:

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| PO1 | To detect and identify the leading clinical symptoms and syndromes; to establish the most probable nosological or syndromic preliminary clinical diagnosis of diseases using standard methods, preliminary data of the patient's anamnesis, patient's examination data, and knowledge about a human, his organs and systems. |
| PO2 | To collect information about the patient's general condition; to assess the patient's psychomotor and physical development and the state of organs and systems of the body; to assess information on the diagnosis based on laboratory and instrumental findings. |
| PO3 | To order and analyze additional (mandatory and optional) examinations (laboratory, radiological, functional and/or instrumental) in order to perform a differential diagnosis of diseases. |
| PO4 | To detect the key clinical syndrome or the reason for patient's condition severity via informed decision and evaluation of the person's state under any circumstances (at home, in the street, at a healthcare facility), including under emergency and military operation conditions, in the field, with a lack of information and limited time. |
| PO5 | To detect the key clinical syndrome or the reason for patient's condition severity via informed decision and evaluation of the person's state under any circumstances (at home, in the street, at a healthcare facility), including under emergency and military operation conditions, in the field, with a lack of information and limited time. |
| PO9 | To determine an appropriate approach, plan, and management of physiological pregnancy, physiological delivery, and postpartum period by making a reasonable decision according to existing algorithms and standard procedures. |
| PO10 | To assess the general condition of a newborn child by making an informed decision according to existing algorithms and standard schemes and adhering to the relevant ethical and legal norms. |
| PO14 | To perform medical procedures at a medical facility, at home or at work on the basis of a provisional clinical diagnosis and/or health parameters through making an informed decision and adhering to the relevant ethical and legal norms. |
| PO16 | To plan and implement a system of sanitary and preventive measures against the occurrence and spread of diseases among the population. |
| PO17 | To analyze epidemiological situation and carry out measures of mass and individual, general and local prevention of infectious diseases. |
| PO21 | To organize an appropriate level of individual safety (own and of those cared for) in case of typical dangerous situations in the individual field of activity. |

1. **Soft Skills**

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| SS1 | Ability to learn, master modern knowledge, and apply the knowledge in practice. |
| SS2 | Knowledge and understanding of the subject area and professional activity comprehension. |
| SS3 | Ability to adapt and act in a new situation. |

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| SS4 | Ability to make reasoned decisions; teamwork ability; interpersonal skills. |
| SS5 | Determination and persistence on the tasks and commitments undertaken. |
| SS6 | Ability to maintain and multiply moral, cultural, scientific values and achievements of society based on understanding the history and development patterns of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies using different types and forms of physical activity for active recreation and a healthy lifestyle. |

1. **Learning activities**

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| LA1 | Interpretation of laboratory (clinical analysis of blood, urine, biochemical blood analysis, etc.) examination methods |
| LA2 | Preparation for practical classes |
| LA3 | Analysis of clinical cases |
| LA4 | Practical work with the patient in specialized departments of the hospital |
| LA5 | Electronic learning in systems (the list is specified by the teacher, for example, Google Classroom, Zoom and in the YouTube channel format) |
| LA6 | Work with textbooks and relevant information sources |
| LA7 | Performance of a group practical task |
| LA8 | Practicing practical skills in the simulation center |

1. **Teaching methods**

Provides learning through:

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| TM1 | Case-based learning |
| TM2 | Team Based Learning |
| TM3 | Research Based Learning |
| TM4 | Practical training |
| TM5 | Self-study |
| TM6 | Gamified learning |

The discipline is taught using modern teaching methods (CBL, TBL, RBL), which contribute not only to the development of professional abilities, but also stimulate creativity thinking. Acquisition of soft skills by students is carried out during the entire period of studying the discipline. Ability to analytical and critical thinking, teamwork, perseverance is formed during team-, practice- and case-oriented training, knowledge and understanding of the subject area is acquired during practical classes, self-study. Electronic education stimulates the ability to use information technologies. training on the basis of research encourages the development of certainty and persistence in relation to the set tasks and assumed responsibilities.

1. **Methods and criteria for assessment**
   1. Assessment criteria

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| National scale | Rating scale |
| 5 (Excellent) | 170 ≤ RD ≤ 200 |
| 4 (Good) | 140 ≤ RD < 169 |
| 3 (Satisfactory) | 120 ≤ RD < 139 |
| 2 (Fail) | 0 ≤ RD < 119 |

* 1. Formative assessment

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| --- | --- | --- | --- |
|  | **Description** | **Deadline, weeks** | **Feedback** |
| FA1  Peer assessment | Partnership interaction aimed at improving the results of educational activities by comparing one's own current level of success with previous indicators. Provides an opportunity to analyze one's own educational activities. | During the entire period of studying the discipline | Adjustment of approaches to learning together with students, taking into account the results of the assessment |
| FA2  Instructions of the teacher in the process of performing practical tasks | The guidelines reveal the methods of pedagogical control over the professional activities of applicants. Efficiency is determined by compliance with all stages of practical tasks. The effectiveness of the formation of the necessary practical skills and abilities depends on the level of formation of practical competence. | During the entire period of studying the discipline | Counseling of students in working with a standardized patient, direct and indirect observation of the work of applicants "at the patient's bedside" with further determination of the level of practical training |
| FA3  Survey and teacher's oral comments based on his results | It provides an opportunity to identify the state of educational experience acquired by students in accordance with the set goals, to find out the prerequisites for the state of formation of the obtained results, the causes of difficulties, to adjust the learning process, to track the dynamics of the formation of learning results and to forecast their development. | During the entire period of studying the discipline | According to the obtained data on the results of training, based on their analysis, it is proposed to determine the evaluation as an indicator of the achievements of the  educational activities of the applicants |

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| FA4  Solving clinical cases | The case method allows you to reveal and form the qualities and abilities of medical students necessary for further work, forms clinical thinking, analytical abilities, independence in decision-making, communication skills, and skills in working with a sufficiently large amount of information. | During the entire period of studying the discipline | Assessment of the student's ability to think clinically, justify their decisions, clearly express their opinions, determine the level of theoretical training, which is reflected in the corresponding assessment |
| FA5  Tests (automated tests) to control the educational achievements of applicants | A method of effective verification of the level of assimilation of knowledge, abilities and skills from the skills of each topic of the academic discipline. Testing allows you to check the assimilation of educational material from each subject. | During the entire period of studying the discipline | The student must provide 60% of the correct answers, which is an admission to the practical part of the lesson |
| FA6  The task of assessing the level of theoretical training | Assessment of acquired theoretical knowledge on the subject of the discipline. It is conducted at each practical session in accordance with the specific goals of each topic based on a comprehensive assessment of the student's activity, which includes monitoring the level of theoretical training, performing independent work according to the thematic plan | During the entire period of studying the discipline | Feedback is aimed at supporting students' independent work, identifying shortcomings and assessing the level of acquired theoretical knowledge |
| FA7  Practical skills test | Practicing practical skills on various mannequins and simulators. | During the entire period of study. | Practical skills test Practicing practical skills on various mannequins and simulators. During the entire period of study. It is an integral part of every lesson and assessment. |

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| FA8  Discussions in focus groups | The method makes it possible to involve all participants in the process of discussion and justification of one's own opinion through multilateral communication, to develop the ability to conduct a professional discussion, to cultivate respect for colleagues and the ability to generate alternative ideas and proposals. | During the entire period of studying the discipline | Assessment of the student's ability to work in a team, the ability to justify their decisions, determination of the level of theoretical training, which is reflected in the corresponding assessment |

* 1. Summative assessment

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|  | **Description** | **Deadline, weeks** | **Feedback** |
| SA1  Current evaluation of the level of theoretical and practical training | Includes oral interview, interpretation of laboratory methods of examination, solution of clinical individual and group cases, work with phantoms, current testing. | During the entire period of studying the discipline | At each lesson, the result of the ND performance affects the comprehensive assessment for the practical lesson |
| SA2  Final control: credit | Compilation of practical-oriented assessment. Applicants who have successfully mastered the material of the discipline and do not have current debts are allowed to take the test. It includes a final computer test, passing practical skills and answering theoretical questions. | According to the schedule | The applicant can receive 80 points for the credit. The minimum number of points a student must receive is 48 points |

Form of assessment:

Form of assessment:

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| --- | --- | --- | --- | --- |
|  | | Points | Minimum points | Можливість перескладання з метою підвищення оцінки |
| **6 semester** | | **200 scores** | | |
| SA1. Current evaluation of the level of theoretical and practical training | | **120** | | |
|  |  | 120 | 78 | No |
| SA2. Final control: credit | | **80** | | |
|  | computer testing | 10 | 6 | No |

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| --- | --- | --- | --- | --- |
|  | answer to theoretical questions | 40 | 24 | No |
|  | answer to the question of practical training | 30 | 18 | No |

When learning the materials of the module, the student is awarded a maximum of 5 points for each practical session (the grade is given in the traditional 4-point grading system). At the end of the academic year, the student's arithmetic average is calculated. The maximum number of points that a student can receive in practical classes during the academic year is 120. A student is admitted to credit if he meets the requirements of the educational program and if he has scored at least 72 points for the current educational activity. Practice-oriented assessment is conducted according to the schedule. Exam tickets contain 4 theoretical questions on various topics and cover all sections of the academic discipline (10 points each), 1 practical task (30 points) and testing (10 points). A credit is given to a student if he scored at least 48 points out of 80. Incentive points are added to the grade in the discipline for the implementation of an individual research project (defense of a student thesis 10 points, speech at a conference, poster presentation at a conference, theses of reports - 5 points). The total score for the discipline cannot exceed 200 points. The possibility of re-crediting the points obtained under the system of non-formal education is provided in accordance with the Regulations.

1. **Learning resources**
   1. Material and technical support

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| MTS1 | Information and communication systems |
| MTS2 | Library funds. Software (to support distance learning) |
| MTS3 | Computers, computer systems and networks |
| MTS4 | Simulation center (phantoms) |
| MTS5 | Sumy Regional Clinical Hospital, Saint Zinaida Children's Clinical Hospital, Children's Polyclinic No. 2 of Sumy City Clinical Children's Hospital, Sumy Regional Clinical Hospital of War Veterans. |
| MTS6 | Multimedia, video and sound reproduction, projection equipment (video cameras, projectors, laptop screens) |
| MTS7 | Medical equipment (spirometer, electrocardiograph, height meter, scales, tonometer, phonendoscope, etc.) |

Facilities and learning tools are provided at internship bases.

* 1. Information and methodical support

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| **Essential Reading** | |
| 1 | Patient Сare (Practical Coursе): textbook. – 2nd edition / O. M. Kovalyova, V. M. Lisovyi, S. І. Shevchenko et al. — К., 2018. — 320 p. |

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| 2 | Kravets О. V. Care of the Patient in Surgery. Тest questions: study guide / О. V. Kravets, G. I. Pyatikop, R. A. Moskalenko. – Sumy: Sumy State University, 2020.  – 158 p. |
| 3 | Methodical instructions for practical exercises in the discipline «Nursing» / compilers: G.A. Sumtsov, S. I. Bokova. – Sumy : Sumy State University, 2020. – 30 p. |
| 4 | Methodological instructions on the topic “Care for the Surgical рatients» / Pyatikop G. I., Shevchenko V. P., Kravets O. V., Gresko I.Ya. Sumy: Sumy State University, 2019. – 29 p. |
| 5 | O. I. Smiyan. Methodological instructions for practical lessons “The rules of drug administration. Drugs calculation and preservation rules. Administration of drugs through skin and mucous tunic, enteral and inhalation methods. The technique of parenteral methods of drug administration“ / O. I. Smiyan, O. K. Romaniuk. Sumy  : Pub. SSU, 2018 – 38p. |
| **Supplemental Reading** | |
| 1 | General patient care and medical manipulation techniques, University I-III years - 7th ed., corrected for order. V. I. Litvinenko., K.: Medicine, 2017. - 424 p. |
| 2 | Methodological instructions on the topic “Care for the Surgical рatients» / Pyatikop G. I., Shevchenko V. P., Kravets O. V., Gresko I.Ya. Sumy: Sumy State University, 2019. – 29 p. |
| 3 | Healthcare for surgical patients: Educational-methodological textbook / B. V. Guzenko, V. P. Kryshen, М. V. Trofimov, І. V. Haponov. – Dnipro ‘Drukar’ SE “DMA MHCU”, 2017. – 100 p. |
| 4 | Principles of Pediatric Nursing. Techniques for Medical Procedures and Manipulations : study guide (III–IV a. l.) / O. V. Tiazhka, A. M. Antoshkina, M.  M. Vasiukova et al.; edited by O. V. Tiazhka. – K. : AUS Medicine Publishing, 2016. – 144 p. |
| 5 | Hinkle Janice L. Brunner & Suddarth's Textbook of Medical-Surgical Nursing / Janice L. Hinkle, Kerry H. Cheever. Philadelphia, United States Lippincott Williams and Wilkins, 2017. – 2352 p. |
| 6 | Linnard-Palmer, Haile Coats G. Safe Maternity & Pediatric Nursing Care. – Faculty Authored Books and Book Contributions. – 2017. – 117 p. |
| 7 | Smith B. Nursing Care. An Essential Guide for Nurses and Healthcare Workers in Primary and Secondary Care / Smith B., Field L. – London: Routledge, 2019. - 348 p. |

1. **Bases**

Departments of surgical, therapeutic and pediatric profiles of hospitals, which are the bases of departments of the medical institute.

1. **Policies**
   1. Academic Integrity Policy

Participants must complete all tasks identified in the internship program independently. Reporting for passing the internship should not contain plagiarism, facts of fabrication, falsification, cheating.

During the internship period, manifestations of other types of academic dishonesty determined by the Academic Integrity policy are also unacceptable. If a supervisor reveals violations of academic integrity of students during the practice, he has the right to conduct one of the following actions:

* to reduce by up to 40% points received during the fulfillment of internship assignments;
* to give recommendations for a retake of submitted internship assignments with a decrease by up to 25% of received points;
* do not count the results of the internship without giving the right to revise them;
* appoint a retake with a decrease by up to 15% of received points;
* refuse to retake of internship
  1. Політика щодо використання інструментів штучного інтелекту при виконанні завдань

Політика використання інструментів штучного інтелекту (ChatGPT, Tome тощо) оголошується викладачем на початку курсу.

Несанкціоноване використання інструментів штучного інтелекту є порушенням академічної доброчесності.

* 1. Політика щодо використання матеріалів з джерел відкритого доступу

При використанні здобувачами освіти матеріалів з джерел відкритого доступу для підготовки робіт, визначених силабусом та регламентом навчальної дисципліни, вони обов'язково мають дотримуватись умов ліцензій Creative Commons на використання об'єктів авторського права.

* 1. Attendance policy

Attendance to the internship base is mandatory. Supervisors from an enterprise (organization, institution) determine a student’s schedule of stay at the internship base.

* 1. Deadline and recompilation policy

Deadline and recompilation policy

* 1. Assessment appeals policy

The results of the internship assessment are subject to appeal. For this, a student must submit a request to a director/dean on the day of certification or after announcing the results, but no later than the next working day.

An appeal commission is established by the order of a director/dean. The appeal commission's decision may change the grade in the event of violations revealed during the attestation.

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