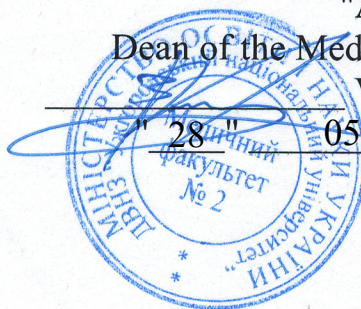


**STATE UNIVERSITY  
"UZHGOROD NATIONAL UNIVERSITY"  
MEDICAL FACULTY 2  
Department of Internal Medicine  
Department of General Surgery  
Department of Childhood Diseases**

**"APPROVED"**

**Dean of the Medical Faculty 2  
Vasyl KALIY**

**" 28 " 05 2025**



**SYLLABUS**

**CC. 27. NURSING PRACTICE**

Educational level	<b>Second (Master)</b>
Subject area	<b>22 "Health" / I "Health and Social Welfare"</b>
Specialty	<b>222 "Medicine" / I2 "Medicine"</b>
Educational program	<b>"General Medicine"</b>
Discipline status	<b>Compulsory</b>

**Uzhhorod 2025**

"Nursing practice" syllabus for higher education seekers of the subject area 22 "Health" / I "Health and Social Welfare", specialty 222 "Medicine"/ I2 "Medicine", educational program "General medicine".

Authors:

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The syllabus was discussed and approved at the meeting of the Department  
of Internal Medicine

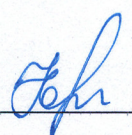
The syllabus was discussed and approved at the meeting of the Department of Internal Medicine

Minutes № 11 of "28" May 2025

Head of the Department  /Marianna TOVT-KORSHYNSKA/

Approved by the Scientific-Methodical Commission of the Medical Faculty 2

Minutes № 9 of "28" May 2025

Head of the Scientific-Methodical Commission  /Nataliia MALETS/

## 1. DESCRIPTION OF THE EDUCATIONAL SUBJECT

Name of indicators	Distribution of academic hours according to the curriculum	
	Full-time study	Extramural form of study
ECTS credits – 6	Year of training:	
Total number of hours – 180	<b>3</b>	
Number of modules – 3	Semester:	
Weekly academic hours for full-time study:  class-room academic hours– 3  student's self-study hours – 6	<b>6</b>	
	Lectures:	
	Practical classes (seminars):	
Type of final control: credit	Laboratory classes:	
	Individual work	
	60	
Form of final control: complex	Self-study	
	<b>120</b>	

## 2. THE PURPOSE OF DISCIPLINE

The purpose and objectives of discipline «Nursing practice» is an achievement of the main skills required in a hospital or an outpatient clinic for the nursing practice in patients with different diseases, both adults and children.

According to educational discipline, study of discipline leads to competence formation in educational applicants:

### **General competencies (GC):**

GC 2. Ability to learn and master modern fields of knowledge..

GC 3. Ability to apply knowledge in practical situations.

GC 4. Knowledge and understanding of the subject area and understanding of professional activity.

GC 5. The ability to adapt and act in a new situation.

GC 7. The ability to work in a team.

GC 10. Use of information and communication technologies.

GC 12. Definition and perseverance about tasks and responsibilities.

GC 13. The ability to act socially responsible and consciously

### **Professional competencies of the specialty (PC):**

PC 1. The ability to collect medical information about the patient and analyze clinical data.

PC 2. The ability to determine necessary panel of laboratory and instrumental research and to evaluate their results.

PC 3. The ability to establish a preliminary and a clinical diagnosis of the disease.

PC 4. The ability to determine the required mode of work and rest in the treatment of diseases.

PC 5. The ability to determine therapeutic nutrition in the treatment of diseases.

PC 6. The ability to determine the principles and nature of disease treatment and prevention.

PC 10. The ability to perform medical manipulations.

PC 11. The ability to solve medical problems in new or unfamiliar environments having incomplete or limited information, taking into account aspects of social and ethical responsibility.

PC 13. The ability to carry out sanitary and preventive hygienic measures.

PC 14. Ability to plan and carry out preventive and anti-epidemic measures for infectious diseases.

PC 16. Ability to maintain medical documentation, including electronic forms.

PC 24. Compliance with ethical principles when working with patients and laboratory animals.

PC 25. Maintenance of professional and academic integrity, bear responsibility for the reliability of the obtained scientific results

## 3. PREREQUISITES FOR STUDYING THE EDUCATIONAL SUBJECT

Prerequisites for studying discipline «Nursing practice» are mastering the following educational subjects (ES) of the educational program (EP):

ES 6 Medical Biology.

ES 7. Medical and Biological Physics.

ES 8. Medicinal chemistry.

ES 9. Bioorganic chemistry.

ES 10. Human Anatomy.

ES 11. Histology, cytology and embriology.

ES 12. Physiology.

ES 13. Microbiology, virusology and immunology.

ES 14. Biochemistry.

ES 16. Patient care (practice).

ES 28. Radiology.

ES 17. Hygiene and ecology,

ES 20. Pathophysiology,

ES 22. Pharmacology,

ES 25. General Surgery (with clinical anatomy and operative surgery).

#### 4. EXPECTED LEARNING OUTCOMES

According to the educational program "Nursing Practice", the study of the educational subjects should ensure the achievement of the following program learning outcomes (PLO) by higher education seekers:

Program learning outcomes	PLO code
To have thorough knowledge of the structure of professional activity. To be able to carry out professional activities that requires knowledge updating and integration. To be responsible for professional development as well as to be able to carry out further professional training with a high level of autonomy.	PLO 1
To collect complaints, history of life and diseases, evaluate psychomotor and physical development of the patient, state of organs and systems of the body, based on the results of laboratory and instrumental studies, evaluate information regarding the diagnosis (according to the list 4), taking into account the age of the patient.	PLO 5
Assess and monitor the child's development, provide recommendations on feeding and specifics of nutrition depending on age, organize preventive vaccinations according to the calendar.	PLO 13
To perform medical manipulations (according to the list 5) within a medical facility, at home or at work based on a previous clinical diagnosis and/or indicators of the patient's condition by making a reasoned decision, upholding relevant ethical and legal standards	PLO 17
To determine the state of functioning and limitations of a person's vital activities and the duration of work incapacity with the preparation of relevant documents, within a health care facility, based on data about the disease and its history, peculiarities of the person's professional activity, etc. To maintain medical documentation regarding the patient and the contingent of the population on the basis of the regulatory documents.	PLO 18

#### List 4 (laboratory and instrumental studies)

1. pleural fluid analysis
2. analysis of ascitic fluid
3. analysis of synovial fluid
4. urine analysis according to Zimnytskyi
5. urine analysis according to Nechiporenko
6. alpha-amylase activity in blood and urine, fecal elastase 1
7. blood proteins and their fractions, C-reactive protein
8. blood glucose, glycosylated hemoglobin
9. oral glucose tolerance test
10. blood lipids and lipoproteins and their fractions
11. blood hormones
12. serum ferritin, iron and copper
13. creatinine, blood and urine urea, glomerular filtration rate
14. blood electrolytes
15. blood aminotransferases
16. total blood bilirubin and its fractions
17. coagulogram
18. blood uric acid
19. blood alkaline phosphatase
20. histomorphological study of lymph node biopsy
21. histomorphological study of a biopsy of parenchymal organs
22. histomorphological study of biopsy of mucous membranes
23. histomorphological study of muscle and skin biopsy
24. histomorphological examination of the placenta
25. study of the indoor environment (indicators of microclimate, natural and artificial lighting, bacteriological and chemical air pollution).
26. pulmonary function testing
27. standard ECG (in 12 leads)
28. bronchoscopy
29. esophagogastroduodenoscopy, colonoscopy
30. echocardiography and doppler
31. fecal microscopy
32. complete blood count
33. urinalysis
34. glucose and acetone in urine
35. general analysis of cerebrospinal fluid
36. general analysis of sternal punctureary
37. sputum testing
38. general immunological blood profile
39. serological reactions in infectious diseases
40. express tests for viral diseases
41. amplification methods for infectious diseases (PCR, LLR)
42. serological reactions in autoimmune diseases

43. chemical and bacteriological studies of the human environment (atmospheric air, water bodies, soil)
44. microbiological investigations of biological fluids and secretions
45. measurement of radiation (sound, vibration, ionizing), individual radiometry.
46. methods of instrumental visualization of the thyroid gland
47. X-ray contrast angiography
48. methods of instrumental visualization of abdominal organs
49. methods of instrumental visualization of chest cavity organs
50. methods of instrumental visualization of the genitourinary system
51. методи інструментальної візуалізації плода
52. methods of instrumental visualization of the skull, spine, spinal cord, bones and joints
53. methods of instrumental visualization of the mammary gland
54. tuberculin skin testing
55. stomach and esophagus pH-metry and bile investigation
56. chemical, organoleptic, bacteriological research of food products and drinking water
57. cytological examination of the cervix
58. measurement of ergonomic indicators of difficulty and intensity of work.

#### List 5 (medical manipulations)

1. perform indirect heart massage
2. perform artificial respiration
3. perform defibrillation using a manual automatic cardioverter defibrillator
4. register a standard 12-lead ECG
5. to temporarily stop external bleeding
6. carry out primary surgical treatment of the wound, dressing, removal of skin sutures, including in field conditions
7. apply hemostatic tourniquets and use hemostatic agents, including in field conditions
8. install a nasogastric and orogastric tube
9. perform transport immobilization
10. administer drugs (intravenous infusion and drip, intraosseous), incl. in field conditions
11. peripheral venous access
12. blood pressure measurement
13. to restore the patency of the respiratory tract
14. bladder catheterization with a soft probe
15. carry out anterior tamponade of the nose, carry out a clinical examination of the organ of vision and ENT organs
16. perform the technique of "skin-to-skin" contact of the newborn and early attachment to the breast
17. perform a digital examination of the rectum and with the help of a rectal mirror
18. perform a digital examination of the prostate
19. carry out a clinical examination of the mammary glands
20. perform a pleural puncture
21. perform a puncture of the abdominal cavity through the posterior vault
22. determine blood groups, Rhesus affiliation
23. transfuse blood components and blood substitutes
24. perform a bimanual examination and examination of a woman in mirrors
25. perform pelviometry;
26. to carry out external (Leopold techniques) and internal obstetric examination;
27. perform auscultation of the fetus
28. take smears for bacterioscopic, bacteriological, cytological examination
29. conduct palpation of the thyroid gland
30. to carry out an examination and evaluation of the external genitalia of boys
31. assess the state of sexual development of children

Expected learning outcomes (ELO) that should be achieved by students after mastering the discipline «Nursing Practice»:

**Module 1: Internal Medicine:**

<b>ELO code</b>	<b>Expected learning outcomes of the discipline</b>	<b>PLO code</b>
ELO 1 ELO 2	To be able to fill out the medical documentation of the therapeutic department, the management of which belongs to the duties of the nurse. To keep records of medicinal products in different units of the therapeutic department. To prescribe and keep track of powerful and narcotic substances.	PLO 18
ELO 1 ELO 2	Determination of the vital functions of the patient's body: to be able to measure blood pressure, study the pulse; carry out thermometry and research on the function of external respiration.	PLO 1 PLO 17
ELO 1 ELO 1	The ability to perform subcutaneous, intramuscular, intravenous injections. Calculate the dose of the soluble form of the drug for injection. Be able to perform medical manipulations according to list 5.	PLO 17
ELO 1 ELO 3	The technique of taking biological fluids for research. Be able to interpret laboratory research data according to list 4.	PLO 17 PLO 5
ELO 1 ELO 4	The role of a nurse in preparing and conducting diagnostic manipulations. Be able to interpret the data of instrumental studies according to list 4.	PLO 17 PLO 5
ELO 1 ELO 4	To know the moral-ethical and legislative principles of nursing in Ukraine.	PLO 1
ELO 1	To know the duties of a nurse to support the medical and protective and sanitary and hygienic regimes of the therapeutic department, surgical and pediatric departments.	PLO 1
ELO 1 ELO 2	Perform quality control of pre-sterilization processing of instruments.	PLO 17
ELO 1	List of documentation maintained by a nurse in various departments of a therapeutic hospital.	PLO 18
ELO 1	Features of nutrition depending on age. The concept of dietary tables.	PLO 13

Expected learning outcomes (ELO) that should be achieved by students after mastering the discipline «Nursing Practice»:

**Module 2: Pediatrics.**

<b>ELO code</b>	<b>Expected learning outcomes of the discipline</b>	<b>PLO code</b>
ELO 1 ELO 2	Collection of anamnesis. Determination of vital functions of the patient's body: blood pressure measurement, pulse examination, thermometry, examination of external breathing function.	PLO 5
ELO 1 ELO 2	The technique of performing subcutaneous, intramuscular, intravenous injections. Carrying out preventive vaccinations according to the calendar. Be able to perform medical manipulations according to list 5.	PLO 17, 13
ELO 1 ELO 3	The technique of taking biological fluids for research. To be able to interpret the data of laboratory studies according to list 4.	PLO 17
ELO 3 ELO 4	Preparation and carrying out of diagnostic manipulations.	PLO 17
ELO 1	Give dietary recommendations and calculate the daily amount of food for different age groups.	PLO 13
ELO 1	To be able to maintain medical documentation.	PLO 1,18

Expected learning outcomes (ELO) that should be achieved by students after mastering the discipline «Nursing Practice»:

**Module 3: Surgery.**

<b>ELO code</b>	<b>Expected learning outcomes of the discipline</b>	<b>PLO code</b>
ELO 1 ELO 2	Carry out basic methods of general clinical examination of the patient (examination, percussion, palpation, laboratory tests), analyze the obtained data for diagnosis. Be able to interpret laboratory research data according to list 4.	PLO 1
ELO 1 ELO 2	Practically apply the principles of asepsis and antiseptics	PLO 13
ELO 1 ELO 2 ELO 3	The ability to perform general clinical manipulations (bandaging, stopping bleeding, drug injections, blood transfusions and blood substitutes, gastric lavage, intestinal lavage, transport and medical immobilization for bone dislocations and fractures, etc.). Be able to perform medical manipulations according to list 5.	PLO 17
ELO 2 ELO 4	The ability to provide emergency care for dizziness, collapse, shock, acute heart failure, allergic reactions, acute inflammatory processes of the abdominal cavity, injuries, burns, frostbite, fractures, bleeding, insect and snake bites.	PLO 17
ELO 2	Ability to carry out resuscitation measures in case of clinical death	PLO 18
ELO 1	Ability to assist in emergency operations	PLO 18

**5. DIAGNOSTIC TOOLS AND EVALUATION CRITERIA OF LEARNING OUTCOMES**

**Means of assessment and methods of demonstrating learning outcomes**

Means of assessment and methods of demonstrating learning outcomes in the discipline are:

ELO 1. – test tasks, theoretical questions, situational tasks, tasks for independent work.

ELO 2. – test tasks, theoretical questions, situational tasks, tasks for independent work, practical skills.

ELO 3. – test tasks, assessment of the results of laboratory tests, analysis and assessment of the results of instrumental studies and parameters characterizing the functions of the human body.

ELO 4. – theoretical survey, situational tasks and independent work with patients, their relatives and medical personnel, in compliance with the requirements of ethics, bioethics and deontology in their professional activity.

**Forms of control and criteria for learning outcomes evaluation Module 1 (therapy)**

Forms of current control: test tasks, individual oral survey, performance of practical skills, performance of tasks for independent work - evening shift.

Form of module control: testing, written control work, performance of practical skills.

**Form of final semester control: credit.**

## Distribution of points received by higher education seekers

Current assessment and self-study															Module control		ST	Sum
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	Self-study	PS	TC		
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	30	30	20	200

T1, T2 ... – topics

TC - test control of theoretical training

PS - practical skills

ST - solving clinical cases

### Forms of control and criteria for evaluating learning outcomes

**Forms of current control:** oral survey, current test control, solving situational problems, work in the department, practical skill.

Traditional mark	Conversion into points
	<i>Module 1</i>
"5"	8
"4"	6
"3"	4
"2"	0

**Form of module control:** test-control of theoretical training, control of practical skills, solving a situational problem, checking reporting documentation.

**Current control** is carried out in accordance with specific goals during each of the practical classes and during independent work in the department of the hospital. The following means of diagnosing the level of students' training are used: control of the performance of practical skills, solving situational problems, test-control of theoretical training.

The current evaluation of students on the relevant topics is carried out according to the traditional 4-point system (excellent, good, satisfactory, unsatisfactory) with subsequent conversion into a multi-point scale.

**Mark "excellent"** is awarded in the case when the student knows the program in its entirety, illustrating the answers with various examples; gives exhaustively accurate and clear answers without any leading questions; presents the material without mistakes and inaccuracies; freely solves problems and performs practical tasks of varying degrees of complexity;

**Mark "good"** is awarded on the condition that the student knows the entire program and understands it well, answers the questions correctly, consistently and systematically, but they are not exhaustive, although the student answers additional questions without mistakes; solves all problems and performs practical tasks. experiencing difficulties only in the most difficult cases;

**Mark "satisfactory"** is awarded to the student on the basis of his knowledge of the entire scope of the program on the subject and a satisfactory level of understanding of it. The student is able to solve modified (simplified) tasks with the help of leading questions; solves problems and performs practical skills, experiencing difficulties in simple cases; is not able to give a systematic answer on his own, but answers directly to directly asked questions correctly.

**Mark "unsatisfactory"** is awarded in cases where the student's knowledge and skills do not meet the requirements of a "satisfactory" assessment.

Taking into account the number of practical classes, the recalculation of grades into a multi-point scale is carried out as follows:

Mark "excellent" - 8 point

Mark "good" - 6 points

Mark "satisfactory" – 4 points

Mark "unsatisfactory" - 0 points

**Evaluation of self-studying:** the number of points for different types of self-study of the student depends on its volume and significance, but no more than 8 points. These points are added to the sum of points scored by the student for the current educational activity.

**Maximum number of points**, which a student can score for the current educational activity is equal to 120 points. It is calculated by adding the number of points corresponding to the grade "excellent" in each practical session ( $14 \times 8 = 112$ ) with the addition of the maximum number of points for self-study (8):  $112 + 8 = 120$ .

**Minimum number of points**, which a student can gain while studying the module, is calculated by adding up the number of points corresponding to the grade "3" in each lesson:  $4 \times 14 = 56$ .

One of the activities of the student and his supervision by the teacher is keeping a Diary of internship, which is filled out by the student every day and signed by the teacher after the completion of the independent part of the student's work in the hospital. At the end of the practice, the student fills out the Final Report on the work performed. The presence of a completed and certified by the teacher's signature of the Diary and the Final Report is mandatory for the admission of the student to the final modular control of internship.

Students who have completed the internship program, have properly prepared reporting documents (Diary and Final Report) and have received at least 67 points for the current activity are admitted to the final module control.

The final module control from module 1 requires:

- demonstration of practical skills (from the above list) - a maximum of 30 points;
- solving a situational problem (maximum 20 points);
- answer to 30 test control questions (maximum 30 points).

**Form of final semester control:** credit.

### **Forms of control and criteria for learning outcomes evaluation Module 2 (pediatrics)**

**Forms of current control:** test tasks, individual oral survey, performance of practical work, performance of tasks for independent work - evening shift.

**Form of module control:** testing, written control work, performance of practical skills.

**Semester control form: final control (credit).**

### Distribution of points received by higher education seekers

Current assessment and self-study								Final module control (topic 8)		Sum
								PS	Test control	
T1	T2	T3	T4	T5	T6	T7	ISS	40	40	200
14	16	16	16	16	16	16	10			

T– topics; PS – practical skills; ISS – individual self-study.

Recalculation into a multi-point scale when evaluating all modules is carried out according to the following scheme:

„excellent” – 16-12 балів.

„good” – 11-9 балів.

„satisfactory” – 8-4 балів.

„unsatisfactory” – 0 балів.

When evaluating a student, great attention is paid to his performance of self-study, which, during nursing practice, is rotation in hospital departments (maximum 10 points).

The minimum number of points for admission to the final module control is 65 and is calculated by multiplying the number of points corresponding to the "satisfactory" rating (8) by the number of topics in the module:  $8 \times 7 = 56$ .

Based on the results of the final module control, the maximum number of points a student can receive is 80.

Final module control requires:

- demonstration of practical skills (from the above list) - a maximum of 40 points;
- answer to 40 test control questions (maximum 40 points).

One of the activities of the student and his control by the teacher is keeping a Diary of internship, which is filled out by the student every day and signed by the teacher after practicing the practical skills provided for by the subject of the lesson. At the end of the nursing practice, the student fills out the Final Report on the work performed. The presence of a completed and certified by the teacher's signature Diary and Final Report is mandatory for the admission of the student to the final modular control of internship.

### Forms of control and criteria for learning outcomes evaluation Module 3 (surgery)

Forms of current control: test tasks, individual oral survey, performance practical work, performing tasks for self-study and solving typical ones situational problems.

Form of module control: testing, written control work, passing of practical skills.

Semester control form: final control (credit)

### Distribution of points received by higher education seekers

Current assessment and self-study						Final module control	Sum
T1	T2	T3	T4	T5	T6	80	200
20	20	20	20	20	20		

### Evaluation of certain types of educational work in the discipline

Type of activity	Module 1		Module 2		Module 3	
	Number	Maximum number of points (total)	Number	Maximum number of points (total)	Number	Maximum number of points (total)
Practical, clinical classes	14	112	7	110	6	85
Practical skills	3	30	2	40	3	35
Written test (module test)	1	30	1	40	1	40
Situational task	2	20			2	40
Self-study	1	8	1	10		
<b>Total</b>	<b>21</b>	<b>200</b>	<b>11</b>	<b>200</b>	<b>12</b>	<b>200</b>

#### Criteria of current educational activity evaluation

The grade "*excellent*" (180-200 points) is awarded to students who actively participated in the discussion of the most complicated issues on the studied topic, gave at least 90% correct answers to standardized test tasks, completed written tasks without errors, completed practical tasks and properly presented their results.

The grade "*good*" (148-179 points) is awarded to students who participated in the discussion of the most complicated issues on the studied topic, gave at least 74% correct answers to standardized test tasks, made some minor mistakes in answers to written tasks, completed practical tasks and properly presented their results.

The grade "*satisfactory*" (120-147 points) is awarded to students who participated in the discussion of the most complicated issues on the studied topic, gave at least 60% correct answers to standardized test tasks, made significant mistakes in answers to written tasks, completed practical tasks and properly presented their results.

The grade "*unsatisfactory*" (0-119 points) is awarded to students who did not participate in the discussion of the most complicated issues on the studied topic, gave less than 60% correct answers to standardized test tasks, made gross mistakes in answers to written tasks or did not answer them at all, did not complete practical tasks and did not properly present their results

#### Criteria for module test evaluation

A module test is done by completing prepared tasks (test cards) with different cards having the same difficulty level. All students are allowed to complete the module test, regardless of the current assessment's results and the presence of unfulfilled missed practical classes. The period of 1.5 hours is given to complete the entire module test. It is forbidden to use any information sources while completing the module test.

The grade "*excellent*" (180-200 points) is awarded to students who gave at least 90% correct answers to standardized test tasks and completed written tasks without errors.

The grade "*good*" (148-179 points) is awarded to students who gave at least 74% of the correct answers to standardized test tasks and made some minor mistakes in the answers to written tasks.

A student who gave at least 60% of the correct answers to standardized test tasks and made significant mistakes in the answers to written tasks receives the grade "*satisfactory*" (120-147 points).

The grade "*unsatisfactory*" (0-119 points) is awarded to students who gave less than 60% correct answers to standardized test tasks, made gross errors in answers to written tasks, or did not provide answers to the designed written tasks.

### **Criteria for the final semester control evaluation**

The final semester rating is calculated as the arithmetic average of four modules. According to the Regulation on the assessment of students' educational achievements according to the credit-module system, if the final module grade is at least 120 points, then with the consent of the student, it can be counted as the final (semester) grade for the academic discipline. Students who are not satisfied with the final positive grades given by the teacher based on the results of module tests, as well as those who received "*unsatisfactory*" grades and at the same time have no unfulfilled practical (laboratory) classes, have the right to take a credit (exam) in the discipline. Full-time students are admitted to the final (semester) control of a specific discipline in the form of a credit or exam if, based on the results of the module tests, they scored at least 35 per cent of the possible points. Based on the results of the answers given during the exam/credit, a grade is awarded according to a 200-point scale. Regardless of whether the student takes the exam (credit) because their final module grade is unsatisfactory (70-119 points) or to increase the positive grade, the teacher gives the student a grade based solely on the level of their knowledge, demonstrated during the exam (credit), that is, based on 200 points, but the final (semester) grade cannot be lower than the final module grade.

### **Criteria for the module final semester control evaluation:**

- the grade "*excellent*" (180-200 points, A) is awarded to students who: have comprehensive, systematic, and deep knowledge of educational and syllabus material; are able to independently perform the tasks prescribed by the syllabus, apply the acquired knowledge and skills in non-standard situations; learned the basic and familiarized themselves with the additional literature recommended by the program; mastered the interrelationship of the main concepts of the discipline and are aware of their importance for the profession they acquire; freely express their own opinions, independently evaluate various life phenomena and facts, revealing their personal position; independently determine the individual goals of their own educational activity, revealed creative abilities and used them when studying the syllabus material, as well as demonstrated interest to scientific work.

- grade "*good*" (164-179 points, B) is awarded to students who: have comprehensive, systematic, and deep knowledge of educational and syllabus material, including applying it in practice, have sufficient systematic knowledge in accordance with the syllabus material, apply it reasonably in different situations; have the ability to independently search for information, as well as to analyze, set and solve professionally oriented problems; while answering the exam/credit questions they might have some inaccuracies, with correcting those themselves. The student should also be able to choose convincing arguments to confirm the studied material;

- the grade "*good*" (148-163 points, C) is awarded to students who: completed the work in general, but during the final control make a certain number of mistakes; are able to compare, generalize, systematize information under the guidance of a teacher, in general independently apply it in practice, control their own activities; learned the curriculum material, successfully completed the tasks prescribed by the program, familiarized themselves with the basic literature recommended by the program;

- the grade "*satisfactory*" (128-147 points, D) is awarded to students who: know the basic syllabus material to the extent necessary for further study and its use in the future profession; perform tasks well, but with a significant number of errors; familiarized themselves with the basic literature recommended by the syllabus; make mistakes when completing tasks during classes or exams but find ways to correct them under the guidance of the teacher.

- the grade "*satisfactory*" (120-127 points, E) to students who: have basic knowledge of educational and syllabus material in the amount necessary for further study and its application in the future profession, and the performance of tasks meets the minimal criteria. Knowledge is reproductive in nature.

- grade "unsatisfactory" (70-119 points, FX) is awarded to students who: revealed significant gaps in the knowledge of the main syllabus material and made fundamental mistakes during the completion of tasks provided by the syllabus.
- grade "unsatisfactory" (0-69 points, F) is awarded to students who learned the educational material only at the level of elementary recognition and reproduction of individual facts or did not learn it at all; made gross errors when completing the tasks provided by the syllabus; cannot continue their studies and are not ready for professional activity after graduating from the university without re-studying this discipline.

## 6. SYLLABUS

### 6.1. The content of the discipline

#### **MODULE 1. MAIN DUTIES AND PROFESSIONAL ACTIVITIES OF THE THERAPEUTIC DEPARTMENT NURSE**

**Content module 1.** Principles of activity and organization of the work of a nurse in a therapeutic hospital.

**Topic 1.** Moral-ethical and legislative principles of nursing in Ukraine. The nurse work and duties organization in the main structural divisions of the therapeutic hospital.

Ethical foundations of nursing. Code of Ethics of a nurse of Ukraine. Code of the International Council of Nurses. Oath of Florence Nightingale. Moral and legal responsibility of a nurse before society. Guarantees and protection of legal rights of a nurse. List of orders of the Ministry of Health of Ukraine, which regulate the activities of the nurse of the therapeutic department.

**Topic 2.** Structure and functions of a therapeutic hospital. The main units of the therapeutic hospital: reception department, therapeutic profile department, diagnostic departments, clinical laboratories. Responsibilities of the nurse of the main units of the therapeutic hospital. List of documentation maintained by a nurse in various departments of a therapeutic hospital. Basic rules for storing medicinal products and tools. Organization of the work of the nurse of the manipulation office. Basic documentation of the manipulation cabinet. Rules for storage and accounting of medicinal products and medical instruments in the manipulation room. Prescribing, accounting and storage of potent, narcotic and poisonous substances in accordance with the current order.

Responsibilities of the nurse to support the medical and protective and sanitary and hygienic regimes of the therapeutic department. Organization of the work of a nurse. The documentation to be filled out by the post nurse and the rules for its management. Registration of patients entering the department.

**Topic 3.** Determination of vital functions of the patient's body. Thermometry, measurement of blood pressure, examination of the functions of external breathing, examination of the pulse with the entry of data into the temperature sheet.

**Content module 2.** Professional actions of a nurse to ensure the diagnostic and treatment process in the departments of a therapeutic hospital.

**Topic 1.** Providing patients with medicines according to the prescription list. Disinfection and sterilization rules.

The technique of performing subcutaneous, intramuscular, intravenous injections. Calculation of the dose of a soluble antibiotic. Rules for filling systems for transfusion and intravenous infusions.

**Topic 2.** Basic requirements for disinfection, pre-sterilization cleaning of instruments. Quality control of pre-sterilization cleaning of instruments for the presence of blood and detergents. Sterilization of instruments for multiple use.

**Topic 3.** Rules and technique of biological fluids sampling taking for investigation.

Methodology and technique of taking a general blood test, blood sugar test, biochemical and bacteriological studies. Preparation of the manipulation table for work. Preparation of patients and the necessary equipment for taking feces for helminth eggs, hidden blood, coprogram. Rules for taking a urine analysis for research according to the methods of Zimnytskyi, Nechiporenko, Addis-Kakovskii, their diagnostic value.

**Topic 4.** The role of a nurse in preparing and conducting diagnostic manipulations.

Preparation and conduct of gastric and duodenal soundings. Gastric lavage, methods of its execution, taking lavage water for research. Preparation of probes, catheters, ends for manipulations. Basic rules of

patient preparation for gastroscopy, rectoromanoscopy, colonoscopy, ultrasound examination of abdominal organs. The main types of enemas and the rules for their use.

Methodology and technique of electrocardiogram registration. The simplest analysis of its main elements.

**Topic 5.** Administration of drugs in the ears, nose, eyes. Application of mustards, cans. Mastering the technique of supplying humidified oxygen. Use of inhalers. Features of nutrition depending on age. The concept of dietary tables.

## **Module 2. MAIN DUTIES AND PROFESSIONAL ACTIVITIES OF A PEDIATRIC DEPARTMENT NURSE**

### **Content module 1. Principles and organization of the work of a nurse in the pediatric department.**

**Topic 1.** Acquaintance with the work of the reception department, documentation. Organization of work of the pediatric department. Organization of the work of the procedure room.

Prescription and storage of medicines. Dispensing and distribution of medicines. Acquaintance with the rules of storage and use of narcotic and potent drugs. Ways of using medicines. Dilution of antibiotics and other dry substances, storage.

**Topic 2.** Determination of vital indicators of the body of a sick child: measurement of blood pressure, examination of breathing rate, pulse, thermometry. Conducting anthropometric measurements.

Preparation of patients for diagnostic manipulations. Acquaintance with the work of the office of functional diagnostics. Instrumental examination: ECG, FCG, spirometry.

**Topic 3.** Acquaintance with the work of the laboratory. Rules for collecting urine analysis for research according to Nechiporenko, Zimnitskyi. Blood sampling for biochemical research.

### **Content module 2. Organization of care and feeding of children in different age groups.**

**Topic 3.** Observation and care of children with disorders of the functions of the respiratory and circulatory systems.

**Topic 4.** Observation and care of children with disorders of the functions of digestive organs and kidneys and urinary tract.

Observation and care of children with disorders of the functions of the hematopoietic and endocrine systems.

**Topic 5.** Toilet of a newborn child. Peculiarities of care for the umbilical cord (umbilical remnant, umbilical wound), eyes, nose, ears. Hygienic care and skin protection for babies. Hygienic baths.

Peculiarities of care and observation of children in a children's hospital. Organization of meals in hospital conditions.

**Topic 6.** Natural feeding. Rules for attaching children to the breast during natural feeding.

Artificial and mixed feeding. The technique of feeding a baby from a bottle. Ways of giving additional feed.

**Topic 7.** Transportation, changing the body position of a seriously ill or incurable patient. Bed comfort as an element of medical and protective regime. Reluctance Bedsores. Care, prevention and treatment.

Control over maintaining the sanitary condition of the department, visiting patients, receiving transfers.

**Topic 8. Final module control.**

## **MODULE 3. MAIN DUTIES AND PROFESSIONAL ACTIVITIES OF A SURGICAL DEPARTMENT NURSE**

### **Content module 1. Vascular damage. Hemostasis. Blood Transfusion.**

**Topic 1.** Bleeding. Blood loss. Hemostasis. Transfusion of blood and blood substitutes. Diagnosis of bleeding. Principles of determining the degree of blood loss. Skills of temporary and final stopping of bleeding. Methods of determination of blood groups and Rh factor. Blood transfusion technique. Prevention of blood transfusion complications. Tactics for blood transfusion complications.

### **Content module 2. Basics of resuscitation. Intensive therapy.**

**Topic 2.** Resuscitation measures in surgical patients. Care of patients in intensive care units. Diagnosis of terminal conditions. The concept of reflexes. Technique of emergency resuscitation measures. Assessment of the quality of emergency resuscitation measures. Errors and complications of emergency resuscitation measures. Principles of delayed resuscitation.

### **Content module 3. Traumatic injuries. Desmurgia.**

**Topic 3.** Wounds. Traumatism and damage. Fractures. Dislocations. Traumatic shock. Desmurgia.

Diagnosis of wounds. Skills of primary and secondary surgical treatment of wounds. Prevention of occurrence and spread of surgical infection. Diagnosis of damage to the locomotor system. Skills of transport and medical immobilization. Prevention and therapeutic tactics of traumatic shock. Concept of shock index.

**Content module 4. Thermal injury. Electric injury. Radiation sickness.**

**Topic 4.** Burns. Freezing. Electric injury. Radiation sickness. Diagnosis of thermal damage. Methods of determining the area of thermal damage. Principles of treatment of thermal injuries. Prevention and treatment tactics of burn disease. Peculiarities of electric injuries and injuries caused by ionizing radiation.

**Content module 5. Surgical infection.**

**Topic 5.** Surgical infection. Necrosis Gangrenes. Sepsis. Pleurisy. Peritonitis. Concept of surgical infection. Differential diagnosis of infectious surgical diseases. Surgical tactics for necrosis and gangrene. Prevention and treatment of septic complications. Skills of pleural and red cavity drainage.

**Content module 6. Basics of tactical medicine. Features of gunshot injuries.**

**Topic 6.** Basics of tactical medicine. Features of gunshot injuries. Peculiarities of providing medical aid in the conditions of hostilities. Principles of triage of victims. Peculiarities of the operation of the medical service depending on the combat zones. Tactics of providing medical care according to the international MARCH protocol.

**Topic 7. Final module control.**

**6.2. The structure of the discipline**

**Module 1 (Internal Medicine)**

Titles of content modules and topics	Number of hours: 90					
	Form of study: daytime					
	Total	including				
lectures		practical	laboratory classes	Individual work	Self-study	
6-й семестр						
<b>Module 1 “MAIN DUTIES AND PROFESSIONAL ACTIONS OF THE NURSE OF THE THERAPEUTIC DEPARTMENT »</b>						
<b>Content module 1.</b> The therapeutic hospital nurse work principles and organization						
<b>Topic 1.</b> Completing the medical documentation of the therapeutic department, the maintenance of which belongs to the duties of a nurse. Accounting of medicinal products in various units of the therapeutic department. Prescribing and accounting for powerful and narcotic substances.	7				2	5
<b>Topic 2.</b> Structure and functions of a therapeutic hospital.	4				2	2
<b>Topic 3.</b> Determination of vital functions of the patient's body: measurement of blood pressure, pulse examination, thermometry, examination of external breathing function.	5				2	3
<b>Total for CM 1</b>	<b>16</b>				<b>6</b>	<b>10</b>
<b>Content module 2.</b> Professional actions of a nurse to ensure the diagnostic and treatment process in the departments of a therapeutic hospital.	16				4	12
<b>Topic 1.</b> Providing patients with medicines according to the prescription list. Execution of subcutaneous and						

intramuscular injections. Performing intravenous injections and infusions. Calculation of the dose of the soluble form of the drug for injection.						
<b>Topic 2.</b> Disinfection and pre-sterilization cleaning of instruments. Performance of quality control of pre-sterilization processing of instruments.	12				4	8
<b>Topic 3.</b> Blood sampling for research. Taking swabs from the throat and nose, collecting sputum for research. Sampling of feces and urine for various types of analysis.	10				4	6
<b>Topic 4.</b> Gastric lavage. Performing enemas. Participation in duodenal sounding. Registration of an electrocardiogram and its preliminary processing.	10				4	6
<b>Topic 5.</b> Applying compresses. Administration of drugs in the ears, nose, eyes. Application of mustards, cans. Mastering the technique of supplying humidified oxygen. Use of inhalers. Features of nutrition depending on age. The concept of dietary tables.	12				4	8
<b>Module control</b>	<b>14</b>				<b>4</b>	<b>10</b>
<b>Total for CM 2</b>	<b>74</b>				<b>24</b>	<b>50</b>
<b>Total</b>	<b>90</b>				<b>30</b>	<b>60</b>

## 6.2. The structure of the discipline Module 2 (Pediatrics)

Titles of content modules and topics	Number of hours: 45			
	Form of study: daytime			
	Total	including		
lectures		practical	Individual work	
<b>the 6th semester</b>				
<b><i>Content module 1. Principles and organization of the work of a nurse in the pediatric department</i></b>				
Topic 1. Acquaintance with the work of the reception department, documentation. Organization of work of the pediatric department. Organization of the work of the procedure room. Prescription and storage of medicines. Dispensing and distribution of medicines. Acquaintance with the rules of storage and use of narcotic and potent drugs. Ways of using medicines. Dilution of antibiotics and other dry substances, storage	6		2	4
Topic 2. Determination of vital indicators of the body of a sick child: measurement of blood pressure, examination of breathing rate, pulse, thermometry. Conducting anthropometric measurements. Preparation of patients for diagnostic manipulations. Acquaintance with the work of the office of functional diagnostics. Instrumental examination: ECG, FCG, spirometry.	5		2	3

Topic 3. Acquaintance with the work of the laboratory. Rules for collecting urine analysis for research according to Nechiporenko, Zimnytskyi. Blood sampling for biochemical research.	2		1	1
<b>Total for CM 1</b>	13		5	8
<b>Content module 2. The organization of care and feeding of children in different Age</b>				
Topic 3. Observation and care of children with disorders of the functions of the respiratory and circulatory systems.	5		1	4
Topic 4. Observation and care of children with disorders of the functions of digestive organs and kidneys and urinary tract. Observation and care of children with disorders of the functions of the hematopoietic and endocrine systems.	3		2	1
Topic 5. Toilet of a newborn child. Peculiarities of care for the umbilical cord (umbilical remnant, umbilical wound), eyes, nose, ears. Hygienic care and skin protection for babies. Hygienic baths. Peculiarities of care and observation of children in a children's hospital. Organization of meals in hospital conditions.	7		2	5
Topic 6. Natural feeding. Rules for attaching children to the breast during natural feeding. Artificial and mixed feeding. The technique of feeding a baby from a bottle. Ways of giving additional feed.	6		2	4
Topic 7. Transportation, changing the body position of a seriously ill or incurable patient. Bed comfort as an element of medical and protective regime. Bedsores. Care, prevention and treatment. Control over maintaining the sanitary condition of the department, visiting patients, receiving transfers.	4		2	2
Topic 8. Total module control.	7		1	6
<b>Total for CM 2</b>	32		10	22
<b>Total</b>	<b>45</b>		<b>15</b>	<b>30</b>

## 6.2. The structure of the discipline Module 3 (surgery)

Titles of content modules and topics	Number of hours: 45			
	Form of study: daytime			
	including			
	Total	lectures	practical	Individual work
<b>The 6th semester</b>				
<b>Module 1. Nursing practice (surgery)</b>				
<b>Content module 1. Vascular damage. Hemostasis. Blood Transfusion.</b>				
Topic 1. Bleeding. Blood loss. Hemostasis. Transfusion of blood and blood substitutes.	6		2	4
<b>Total for Content module 1</b>	6		2	4
<b>Content module 2. Basics of resuscitation. Intensive therapy.</b>				
Topic 2. Resuscitation measures in surgical patients. Care of patients in intensive care units.	6		2	4
<b>Total for Content module 2</b>	6		2	4
<b>Content module 3. Traumatic injuries. Desmurgy.</b>				

Topic 3. Wounds Traumatism and damage. Fractures. Dislocations Traumatic shock. Desmurgy.	6		2	4
<b>Total for Content module 3</b>	6		2	4
<b>Content module 4. Thermal injury. Electric injury. Radiation sickness.</b>				
Topic 4. Burns Freezing. Electric injury. Radiation sickness.	6		2	4
<b>Total for Content module 4</b>	6		2	4
<b>Content module 5. Surgical infection.</b>				
Topic 5. Surgical infection. Necrosis Gangrenes. Sepsis. Pleurisy. Peritonitis.	6		2	4
<b>Total for Content module 5</b>	6		2	4
<b>Content module 6. Basics of tactical medicine.</b>				
Topic 6. Basics of tactical medicine. Features of gunshot injuries.	6		2	4
<b>Total for Content module 6</b>	6		2	4
<b>Module control</b>	9		3	6
<b>Total</b>	<b>45</b>		<b>15</b>	<b>30</b>

### 6.3. Topics of practical (individual) classes Module 1 (Internal Medicine)

№ 3/II	Topic name	Number of hours: Full-time study	Number of hours: Extramural form of study
1.	Completing the medical documentation of the therapeutic department, the maintenance of which belongs to the duties of a nurse. Accounting of medicinal products in various units of the therapeutic department. Prescribing and accounting for powerful and narcotic substances. Moral-ethical and legislative principles of nursing in Ukraine.	2	
2.	Organization of the work and duties of the nurse of the main structural divisions of the therapeutic hospital.	2	
3.	Determination of vital functions of the patient's body. Thermometry, measurement of blood pressure, examination of the functions of external breathing, examination of the pulse with the entry of data into the temperature sheet.	2	
4.	Providing patients with medicines according to the prescription list. Execution of subcutaneous and intramuscular injections.	2	
5.	Performing intravenous injections and infusions. Calculation of the dose of the soluble form of the drug for injection.	2	
6.	Disinfection and pre-sterilization cleaning of instruments.	2	
7.	Performance of quality control of pre-sterilization processing of instruments.	2	
8.	Rules and technique of taking analyzes of biological fluids for research. Blood sampling for research. Taking swabs from the throat and nose, collecting sputum for research.	2	
9.	Rules and technique of taking analyzes of biological fluids for research. Sampling of feces and urine for various types of analysis.	2	

10.	Gastric lavage. Performing enemas. Participation in duodenal sounding. Registration		
11.	Registration of an electrocardiogram and its preliminary processing.	2	
12.	Applying compresses. Administration of drugs in the ears, nose, eyes. Application of mustards, cans. Mastering the technique of supplying humidified oxygen. Use of inhalers.	2	
13.	Features of nutrition depending on age. The concept of dietary tables.	2	
14.	Module control (test control).	2	
15.	Module control (practical skill).	2	
<b>Total</b>		30	-

### 6.3. Topics of practical (individual) classes Module 2 (Pediatrics).

№ п/п	Topic name	Number of hours: Full-time study	Number of hours: Extramur al form of study
1	Acquaintance with the work of the reception department, documentation. Organization of work of the pediatric department. Organization of the work of the procedure room.	1	
	Prescription and storage of medicines. Dispensing and distribution of medicines. Acquaintance with the rules of storage and use of narcotic and potent drugs. Ways of using medicines. Dilution of antibiotics and other dry substances, storage	1	
2	Determination of vital indicators of the body of a sick child: measurement of blood pressure, examination of breathing rate, pulse, thermometry. Conducting anthropometric measurements.	1	
	Preparation of patients for diagnostic manipulations. Acquaintance with the work of the office of functional diagnostics. Instrumental examination: ECG, FCG, spirometry.	1	
3	Acquaintance with the work of the laboratory. Rules for collecting urine analysis for research according to Nechiporenko, Zimnytskyi. Blood sampling for biochemical research.	1	
	Observation and care of children with disorders of the functions of the respiratory and circulatory systems	1	
4.	Observation and care of children with disorders of the functions of digestive organs and kidneys and urinary tract.	1	
	Observation and care of children with disorders of the functions of the hematopoietic and endocrine systems.	1	
5.	Toilet of a newborn child. Peculiarities of care for the umbilical cord (umbilical remnant, umbilical wound), eyes, nose, ears. Hygienic care and skin protection for babies. Hygienic baths.	1	
	Peculiarities of care and observation of children in a children's hospital. Organization of meals in hospital conditions	1	

6.	Natural feeding. Rules for attaching children to the breast during natural feeding.	1	
	Artificial and mixed feeding. The technique of feeding a baby from a bottle. Ways of giving additional feed.	1	
7.	Transportation, changing the body position of a seriously ill or incurable patient. Bed comfort as an element of medical and protective regime. Reluctance Bedsores. Care, prevention and treatment.	1	
	Control over maintaining the sanitary condition of the department, visiting patients, receiving transfers.	1	
8.	Total module control.	1	
	<b>TOTAL</b>	<b>15</b>	<b>-</b>

### 6.3. Topics of practical classes. Module 3 (Surgery)

№ з/п	Topic name	Number of hours:  Full- time study	Number of hours:  Extramu- ral form of study
1	Bleeding. Blood loss. Hemostasis. Transfusion of blood and blood substitutes.	2	
2	Resuscitation measures in surgical patients. Care of patients in intensive care units.	2	
3	Wounds Traumatism and damage. Fractures. Dislocations Traumatic shock. Desmurgy.	2	
4	Burns Freezing. Electric injury. Radiation sickness.	2	
5	Surgical infection. Necrosis Gangrenes. Sepsis. Pleurisy. Peritonitis.	2	
6	Basics of tactical medicine. Features of gunshot injuries.	2	
7	Module control, passing of practical skills	3	
	<b>Total</b>	<b>15</b>	<b>-</b>

### 6.4. Individual work: Module 1 (Therapy)

№ з/п	Topic name	Number of hours:  Full- time study	Number of hours:  Extramu- ral form of study
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1.	Acquaintance with job instructions and current orders regulating the professional activity of a therapeutic nurse.	2	
2.	Moral and legal responsibility of a nurse before society. Guarantees and protection of legal rights of a nurse.	3	
3.	Determination of vital functions of the patient's body. Thermometry, measurement of blood pressure, examination of the functions of external breathing, examination of the pulse with the entry of data into the temperature sheet.	5	
4.	The technique of performing subcutaneous, intramuscular, intravenous injections.	5	
5.	Independent practice of skills and abilities listed in the plan of practical training according to list 5.	10	
6.	Methodology and technique of taking a general blood test, blood sugar test, biochemical and bacteriological studies. Preparation of the manipulation table for work. Preparation of patients and the necessary equipment for taking feces for helminth eggs, hidden blood, coprogram. Rules for taking a urine analysis for research according to the methods of Zimnytskyi, Nechiporenko, Addis-Kakovskiyi, their diagnostic value. Be able to interpret laboratory research data according to list 4.	10	
7.	Preparation and conduct of gastric and duodenal soundings. Gastric lavage, methods of its execution, taking lavage water for research. Preparation of probes, catheters, ends for manipulations. Basic rules of patient preparation for gastroscopy, rectoromanoscopy, colonoscopy, ultrasound examination of abdominal organs. The main types of enemas and the rules for their use. Methodology and technique of electrocardiogram registration. The simplest analysis of its main elements. Be able to interpret the data of instrumental studies according to list 4.	5	
3.	Individual work: Evening duty in the department of therapeutic profile with a further report at a practical session.	10	
4.	Completion of the main reporting documentation – the Internship Diary and the Final Report.	5	
5.	Preparation for the final module control.	5	
	<b>Total</b>	<b>60</b>	<b>-</b>

#### 6.4. Individual work: Module 2 (Pediatrics)

№3/п	Topic name	Number of hours: Full-time study	Number of hours: Extramural form of study
1.	Acquaintance with the job instructions and current orders regulating the professional activity of the nurse of the pediatric department.	4	

2.	Periods of childhood, their features. A newborn baby. The first toilet. Anthropometry of newborns. Care of a full-term newborn baby in the maternity hospital and at home.	2	
3.	Independent practice of skills and abilities given in the plan of practical training.	4	
4.	Principles of rational feeding and nutrition of children. Natural, artificial and mixed feeding. The technique of feeding children with natural and artificial feeding. Contraindications to natural feeding.	4	
5.	Treatment tables for children.	1	
6.	Pylorospasm and pylorostenosis in children. Clinical manifestations. Differential diagnostics. Ultrasound and X-ray contrast diagnosis.	1	
7.	Chronic bronchitis and bronchial asthma. Asthmatic status, emergency care. Teaching patients how to use a metered-dose inhaler, nebulizer, and peak flow meter.	2	
8.	Providing emergency care to children with acute conditions in cardiology. Nurse's participation in medical treatment of patients.	2	
9.	Individual work: Evening duty in the department of therapeutic profile with a further report at a practical session.	4	
10.	Completion of the main reporting documentation – the Internship Diary and the Final Report.	2	
11.	Preparation for the final module control.	4	
	<b>Total</b>	<b>30</b>	<b>-</b>

#### 6.4. Individual work: Module 3 (surgery)

№ з/п	Topic name	Number of hours: Full-time study	Number of hours: Extramur al form of study
1	Shifts in the surgical department	4	
2	Shifts in the surgical department	4	
3	Shifts in the trauma department	4	
4	Shifts in the trauma department	4	
5	Shifts in the intensive care unit	4	
6	Shifts in the intensive care unit	4	
7	Writing a practice diary, working in a simulation class	6	
	<b>Total</b>	<b>30</b>	<b>-</b>

## 7. TOOLS, EQUIPMENT AND SOFTWARE USED BY THE COURSE

Devices for measuring blood pressure, phonendoscopes, glucometers RIGHTEST BIONIME GM550 with test strips ELSA/GS550, (2019), electrocardiograph, spiograph, peak flowmeters, computer spirometry, pulse oximeters, thermometers, rapid test systems, mannequins are used for the educational process.

Students also get to know the operation of the endoscopy room and functional diagnostics room, where there is a gastrointestinal videoscope Olympus GIF-XP170N, Olympus GIF-H170 (2018) and a video colonoscope CF-H170L/I (2018), ultrasound system CX50, Philips Ultrasound, Inc, Label PN 453561952821 , (2022) (in use with the Ukrainian National University) and a biodensitometer for determining body components (in joint use with the Department of Physiology).

In addition, didactic materials are used:

- plans of practical classes
- tasks for independent work
- methodological instructions/recommendations for students and teachers
- algorithms of treatment and provision of emergency care (according to the standards of evidence-based medicine)
- algorithms for performing practical skills, medical manipulations, video films
- results of laboratory and instrumental research methods
- dummies, phantoms
- questions, situational tasks, assignments or cases for current and final control.
- electronic bank of test tasks, situational tasks.
- laptop (type #1) Lenovo V15-ADA
- stationary personal computer No. 2 FC 210;
- UzhNU e-learning website e-learn.uzhnu.edu.ua.

## **8. RECOMMENDED SOURCES OF INFORMATION**

### **Basic sources**

1. OXFORD HANDBOOK OF Primary Care and Community Nursing, edited by Judy Brook Senior Lecturer, School of Health Sciences, City, University of London, UK Caroline McGraw Lecturer, Division of Health Services Research and Management, School of Health Sciences, City, University of London, UK Val Thurtle Educator, King's Centre for Global Health and Health Partnerships, King's College London, UK - 3rd edition, 2021
2. Коваль В. Ю., Архій Е.Й. Методичні вказівки для самостійної роботи з «Сестринської практики», Ужгород. – 2019. – 48 с.
3. History taking and communication skills / editor-in-chief Philip Jevon., Wiley Blackwell, 2020.

### **Additional sources**

1. Nursing and Health Interventions Design, Evaluation, and Implementation, edited by Souraya Sidani Ryerson University Toronto, ON, Canada Carrie Jo Braden University of Texas Health Science Center San Antonio, TX, USA. - 2nd edition, 2021.

2. Медсестринство в педіатрії: підручник / В.С. Тарасюк, Г.Г. Титаренко, І.В. Паламар та ін. – 2-е видання. – Київ : Всеукраїнське спеціалізоване видання "Медицина", 2021. – 336 с.
3. Маніпуляції в педіатрії (показання та техніка виконання): навч. посіб. / Ю.В. Марушко, Т.В. Гишак, Ю.І., Ю.І. Годика. - К. : ВСВ "Медицина", 2019. - 144 с.
4. Clinical examination skills in pediatrics, edited by A.Mark Dalzel, Wiley Blackwell, 2020
5. Oxford Textbook of Palliative Nursing, edited by Betty Rolling Ferrell, RNM, PhD, FAAN, FPCN, CHPN Professor and Director Department of Nursing Research and Education City of Hope Comprehensive Care Center Duarte, California Judith A. Paice, PhD, RN, FAAN Director, Cancer Pain Program Division of Hematology-Oncology Northwestern University, Feinberg School of Medicine Chicago, Illinois. - 5th edition, 2019.
6. OXFORD HANDBOOK OF Respiratory Nursing, edited by Terry Robinson Respiratory Nurse Consultant, Harrogate District NHS Foundation Trust, North Yorkshire, UK Jane Scullion Respiratory Nurse Consultant, Glenfield Hospital, Leicester, UK. - 2nd edition, 2021.

### **Information Internet resources**

1. The Nursing Guide - <https://thenursingguide.com/>
2. Learn and Practice Clinical Skills - <https://www.practicalclinicalskills.com/>
3. For all your nursing needs - <https://nurseslabs.com/>
4. Nurses-Medscape - <https://www.medscape.com/nurses>
5. Nursing Times: Resources for Nursing Profession - <https://www.nursingtimes.net/>
6. Nursing Math - Medical Dosage Calculators Examples for Nurses - <https://www.rncalc.com/>
7. Nurse Math Calculators - [https://www.manuelsweb.com/nrs\\_calculators.htm](https://www.manuelsweb.com/nrs_calculators.htm)
8. Національна бібліотека України імені В. І. Вернадського - <http://www.nbuv.gov.ua/>
9. Сайт МОЗ України <https://moz.gov.ua>
10. Сайт електронного навчання УжНУ - [e-learn.uzhnu.edu.ua](http://e-learn.uzhnu.edu.ua)
11. Всесвітня організація охорони здоров'я <https://www.who.int/countries/ukr/en/>
12. Американська асоціація педіатрів <https://www.academicped.org/>

**Results of the further review of  
the syllabus**

The syllabus was re-approved on 20\_\_\_ / 20\_\_\_ academic year unchanged; with changes (Appendix\_\_\_).

(underline the correct variant)

Minutes № \_\_\_ of " \_\_\_ " \_\_\_\_\_ 20 \_\_\_ Head of the Department \_\_\_\_\_  
\_\_\_\_\_

(Signature) (Surname, initials)

The syllabus was re-approved on 20\_\_\_ / 20\_\_\_ academic year unchanged; with changes (Appendix \_\_\_).

(underline the correct variant)

Minutes № \_\_\_ of " \_\_\_ " \_\_\_\_\_ 20 \_\_\_ Head of the Department \_\_\_\_\_  
\_\_\_\_\_

(Signature) (Surname, initials)

The syllabus was re-approved on 20\_\_\_ / 20\_\_\_ academic year unchanged; with changes (Appendix \_\_\_).

(underline the correct variant)

Minutes № \_\_\_ of " \_\_\_ " \_\_\_\_\_ 20 \_\_\_ Head of the Department \_\_\_\_\_  
\_\_\_\_\_

(Signature) (Surname, initials)

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