

**SYLLABUS OF DISCIPLINE PROGRAM**  
**WB 2.4. “Nursing practice in conditions of therapeutic department”**

<b>1. General information</b>	
<b>Name of the faculty</b>	Medical № 1
<b>Educational program</b> (branch, specialty, level of higher education, form of education)	22 Health care, 222 Medicine, second (master's) level of higher education, full-time (daily form)
Year of study	2023-2024
<b>Name of discipline, code</b> (e-mail address on the website of Danylo Halytskyi LNMU)	NURSING PRACTICE IN CONDITIONS OF THERAPEUTIC DEPARTMENT <a href="https://new.meduniv.lviv.ua/kafedry/kafedra-propedevtyky-vnutrishnoyi-medytsyny-1/">https://new.meduniv.lviv.ua/kafedry/kafedra-propedevtyky-vnutrishnoyi-medytsyny-1/</a>
Department (name, address, phone, e-mail)	Department of propedeutics of Internal Medicine 79013, Lviv, Konovaltsya str., 22, phone: +38(032)237-31-14, fax: +38 (032)237-88-80 <a href="mailto:kaf_propaedeutic_1@meduniv.lviv.ua">kaf_propaedeutic_1@meduniv.lviv.ua</a>
Head of the department (contact e-mail)	MD, Professor, Dutka Roman Jaroslavovych <a href="mailto:dutka_roman@meduniv.lviv.ua">dutka_roman@meduniv.lviv.ua</a>
Year of study (year on which the study of the discipline is implemented)	3
Semester (semester in which the study of the discipline is implemented)	VI
Type of course / module (mandatory / optional)	Optional
Teachers (names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail)	associate professor, MD, PhD Abrahamovych K.J., <a href="mailto:abrahamovych_khrystyna@meduniv.lviv.ua">abrahamovych_khrystyna@meduniv.lviv.ua</a> assistant professor, MD, PhD Kurban M. M., <a href="mailto:kurban_marjana@meduniv.lviv.ua">kurban_marjana@meduniv.lviv.ua</a> assistant professor Chmyr N.V., <a href="mailto:chmyr_natalja@meduniv.lviv.ua">chmyr_natalja@meduniv.lviv.ua</a> assistant professor Koljadych M.M.
Erasmus yes / no (availability of discipline for students within the program Erasmus+)	No
Person responsible for the syllabus (the person to whom comments should be made regarding the syllabus, contact e-mail)	associate professor, MD, PhD Ivasivka R.S., <a href="mailto:ivasivka_roksolejana@meduniv.lviv.ua">ivasivka_roksolejana@meduniv.lviv.ua</a> associate professor, MD, PhD Abrahamovych K.J., <a href="mailto:abrahamovych_khrystyna@meduniv.lviv.ua">abrahamovych_khrystyna@meduniv.lviv.ua</a>
Number of credits ECTS	5
The language in which the subject is taught	English
Information about consultations	
Address, telephone and regulations of the clinical base	«LVIV TERRITORIAL MEDICAL ASSOCIATION 2 CLINICAL HOSPITAL OF PLANNED TREATMENT, REHABILITATION AND POLLIATIVE CARE» MUNICIPAL NON-PROFIT ENTERPRISE <b>79013</b> , Lviv, Konovaltsya str., <b>26</b> phone: +38(032) <b>237-87-32</b> , e-mail: <a href="mailto:5kmkl_uoz_lviv@ukr.net">5kmkl_uoz_lviv@ukr.net</a>

## 2. Short annotation to the course

### General characteristics, brief description of the course, features, benefits

Nursing practice is a clinical discipline, during the study of which the formation of moral and ethical foundations for further professional behavior takes place. The discipline "Nursing Practice" involves the study of hygienic, preventive and curative measures, which are within the competence of paramedics and are used to create a comfortable environment for the patient in a medical institution, promote the speedy recovery of the patient.

According to the sample curriculum, practice of patient care is provided in July after the end of the VI semester.

Assimilation of the material is based on consistent acquaintance with the peculiarities of the implementation of the specified scope of actions in the work of the therapeutic department of the hospital.

The organization of the educational process is carried out according to the requirements of the European credit transfer system.

Students work 7 hours a day for 4 working days, in their free time they work independently. The department should have a schedule of students. The direct supervisor of student practice is nurses.

Before leaving for the internship, the student must receive:

- instruction of the head of practice from the department;
- program and practice diary;
- referral to practice.

Upon arrival at the health care institution (HCI), the student must:

- submit a diary from the base to the head;
- undergo safety training;
- clarify the internship plan.

During the internship, the student is obliged to strictly follow the rules of the internal regulations of the HCI.

## 3. The purpose and objectives of the course

The purpose of teaching the discipline "Nursing practice in the therapeutic department of the hospital" - the acquisition and improvement of professional skills of a nurse based on deep knowledge and understanding of the functioning of the sick body in compliance with the principles of medical ethics and deontology.

The main objectives of the discipline "Nursing practice in the therapeutic department of the hospital" are:

1. Assimilation of basic theoretical knowledge necessary for the organization of comfortable conditions of the patient's stay in the hospital and providing the necessary care for him at all stages of treatment.
2. Acquisition of basic practical skills of a nurse of a therapeutic hospital and skills to determine and evaluate the general condition of the patient, the basic parameters of his life and the rules of ensuring the vital needs of the body.
3. Formation of students' moral, ethical and deontological qualities in professional communication with the patient.

Competences and learning outcomes, the formation of which is facilitated by the discipline (relationship with the normative content of training of higher education, formed in terms of learning outcomes in the Standard).

According to the Standard of higher education and educational-professional program of the second (master's) level of higher education in the field of knowledge 22 Health care, specialty 222 Medicine, industrial practice " NURSING

PRACTICE IN CONDITIONS OF THERAPEUTIC DEPARTMENT" provides students with the following competencies:

- *integrated:*

ability to solve typical and complex specialized tasks and practical problems in professional activities in the field of health care, or in the learning process, which involves research and / or innovation and is characterized by complexity and uncertainty of conditions and requirements.

- *General* (General competencies - GC):

- GC1. Ability to abstract thinking, analysis and synthesis.
- GC2. Ability to learn and master modern knowledge.
- GC3. Ability to apply knowledge in practical situations.
- GC4. Knowledge and understanding of the subject area and understanding of professional activity.
- GC5. Ability to adapt and act in a new situation.
- GC6. Ability to make informed decisions
- GC7. Ability to work in a team.
- GC8. Interpersonal skills.
- GC9. Ability to communicate in the state language both orally and in writing.
- GC10. Ability to communicate in a foreign language.
- GC11. Skills in the use of information and communication technologies.
- GC12. Definiteness and perseverance in terms of tasks and responsibilities.
- GC13. The ability to act socially responsibly and consciously.
- GC14. The desire to preserve the environment.
- GC15. Ability to act on the basis of ethical considerations (motives).

- *Special (professional, substantive) (Special competencies – SC):*

- SC1. Patient questioning and examination skills.
- SC2. Ability to determine the required list of laboratory and instrumental studies and evaluate their results.
- SC4. Ability to ensure the required mode of stay of the patient in hospitals in the treatment of diseases.
- SC5. Ability to ensure the appropriate nature of nutrition in the treatment of diseases.
- SC7. Ability to diagnose emergencies.
- SC8. Ability to determine the tactics of emergency medical care.
- SC9. Emergency care skills.
- SC11. Skills to perform medical manipulations.
- SC13. Ability to carry out sanitary and hygienic and preventive measures.
- SC 17. Ability to keep medical records.

As a result of studying the discipline "Nursing practice in the therapeutic department of the hospital" the student must acquire knowledge about:

- the main functional responsibilities of the nurse in the therapeutic department of the hospital;
- principles of professional subordination in the system of doctor - nurse;
- structures and functions of the therapeutic hospital;
- requirements and rules for providing medical-protective and sanitary-hygienic regime of the main subdivisions of the hospital;
- rules for filling in the medical documentation of the therapeutic hospital;
- rules and sequence of questioning and examination of the patient;
- physiological bases of formation of the basic indicators of activity of cardiovascular and respiratory systems (pulse, arterial pressure, breath);
- regulation of temperature homeostasis of the organism and mechanisms of fever development;
- mechanisms of influence of the basic medical and physiotherapeutic procedures on an organism of the patient;
- basic requirements for disinfection, pre-sterilization cleaning of instruments;
- rules of preparation of the patient for gastroscopy, rectoromanoscopy, colonoscopy, ultrasound examination of the abdominal cavity;
- the main types of enemas and the rules of their use;
- basic types of compresses and rules of application of warming, cold, medical compresses;
- techniques for using cans, mustard, using a hot water bottle, ice bubble;
- general rules of care for patients with bed rest, seriously ill and agonists;
- psychological and spiritual aspects of palliative and hospice care;
- first aid for poisoning, heat and sunstroke, drowning, electric shock;
- signs of clinical and biological death, rules of handling the corpse;

- basic principles of cardiopulmonary resuscitation.II.

Be able to apply knowledge in practical situations:

1. Demonstrate mastery of moral and deontological principles of a medical specialist and the principles of professional subordination in the clinic of internal medicine.
2. Demonstrate the skills of organization and care of patients with various diseases of therapeutic profile, perform the necessary medical manipulations:
  - to demonstrate mastery of skills of observance of medical and protective and maintenance of a sanitary and hygienic mode of the main divisions of a therapeutic hospital;
  - conduct questioning and examination of the patient;
  - demonstrate the method of conducting anthropometric studies of the patient and draw conclusions about the constitutional type of the subject;
  - to make a preliminary assessment of the state of temperature homeostasis of the patient based on the results of thermometry and registration of temperature curves;
  - demonstrate mastery of skills in caring for patients with fever;
  - to demonstrate the simplest medical manipulations on carrying out diagnostic, medical and physiotherapeutic procedures to patients
  - (preparation of the patient for gastroscopy, rectoromanoscopy, colonoscopy, ultrasound examination of the abdominal cavity; to take feces for helminth eggs, occult blood, coprogram; to analyze urine for examination by Zymnytsky, Addis-Kakovsky, Nechiporenko; preparation of probes, manipulations, the use of cleansing, siphon enemas, application of warming, cold, therapeutic compresses, setting cans, mustard, using a hot water bottle, ice bubble, supply of leeches);
  - demonstrate methods of preparation for disinfection, pre-sterilization cleaning of instruments; quality control of pre-sterilization cleaning of instruments for the presence of blood and detergents; sterilization of reusable instruments;
  - demonstrate mastery of personal hygiene and care for the seriously ill (providing a comfortable position in bed for the seriously ill; prevention of bedsores; change of underwear and bed linen; use of bedding and urinal; feeding seriously ill patients with a strict bed);
  - Demonstrate first aid skills for patients with disorders of the cardiovascular and respiratory systems and first aid for poisoning, heat and sunstroke, drowning and electric shock.

To draw a conclusion about the state of physiological functions of the organism, its systems and organs:

- to determine the main indicators of the cardiovascular and respiratory systems (pulse, blood pressure, respiration).
  1. Analyze the age characteristics of body functions and their regulation.
  2. Demonstrate the ability to maintain medical records, accounting and reporting documentation.

Detect signs of clinical death, conduct cardiopulmonary resuscitation.

#### 4. Prerequisites of the course

Basic knowledge required for a student to successfully study and master the competencies of the discipline:

1. Human anatomy - knowledge of age, gender, individual features of the anatomical structure of human organs, topographic and anatomical relationships of organs and systems.
2. Medical biology - knowledge of biological phenomena and processes.
3. Medical and biological physics - the ability to interpret the general physical and biophysical patterns that underlie the functioning of the human body, knowledge of the basic physical and technical principles of functioning of medical devices.
4. Biological chemistry - knowledge of the main ways of metabolism and energy in biological systems in the process of life.
5. Human physiology - knowledge of the structural and functional unity of physiological systems of the human body.
6. Microbiology, virology and immunology - knowledge and ability to analyze the forms of relationships between micro-and macro-organisms. Know the structure and functions of the immune system, cellular and molecular mechanisms of immune responses, their regulation, genetic control; types of immunity and methods of assessing the immune status of the organism.
7. General hygiene and food hygiene: knowledge of nutrition problems, the ability to assess the adequacy and balance of nutrition.

#### 5. Program learning outcomes

##### List of learning outcomes

<i>The code is created when filling in the syllabus (category: Kn - knowledge,</i>	<i>The code is created when filling in the syllabus (category: Kn - knowledge, Ab - ability, C - competence, AR - autonomy</i>	<i>The code is created when filling in the syllabus (category: Kn - knowledge, Ab - ability, C - competence, AR -</i>
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<i>Ab - ability, C - competence, AR - autonomy and responsibility)</i>	<i>and responsibility)</i>	<i>autonomy and responsibility)</i>
Kn -1	Have specialized knowledge about the person, his organs and systems, know the standard schemes of survey and general examination of the patient.	LO-1
Ab-1	Collect data on patient complaints, medical history, life history (including professional history), using the results of the interview with the patient according to the standard scheme of the patient's survey	LO-1
Ab-1	Collect information about the general condition of the patient (consciousness, constitution) and appearance (examination of the skin, subcutaneous fat layer)	LO-1
Ab -1	Examine the condition of the respiratory system (determine the frequency of respiration)	LO-1
Ab-1	Examine the state of the cardiovascular system (measure blood pressure, examine the pulse)	LO-1
C -1	Effectively form a communication strategy when communicating with the patient. Enter information about the patient's health in the relevant medical records	LO-1
AR-1	Be responsible for the quality collection of information received on the basis of an interview, survey and for timely assessment of the general health of the patient	LO-1
Kn-4	Know the system of sanitary and hygienic and preventive measures in a medical hospital	LO-4
Kn-4	Have specialized knowledge about man, his organs and systems; ethical norms; algorithms for ensuring the mode of stay in the hospital during treatment during treatment	LO-4
Ab-4	Have the skills to organize sanitary and hygienic and medical and protective regimes of the main units of the hospital.	LO-4
Ab-4	Be able to organize the promotion of a healthy lifestyle	LO-4
C-4	To be able to provide the necessary mode of work and rest determined by the doctor at treatment of a disease	LO-4
C-4	To inform the patient and specialists about the necessary mode of stay in the hospital, modes of work and rest in the treatment of the disease	LO-4
AR-4	To be responsible for timely and high-quality measures to ensure sanitary-hygienic and medical-protective regimes of the therapeutic hospital,	LO-4
AR-4	promoting a healthy lifestyle	LO-4

Kn-5	To be responsible for ensuring the conditions of observance of the prescribed by the doctor mode of work and rest in the treatment of the disease	LO-5
Ab-5	Know the principles of nutrition	LO-5
C-5	Be able to provide the patient's diet and eating conditions determined by the doctor	LO-5
AR-5	Be responsible for ensuring compliance with the diet and diet in the treatment of the disease	LO-5
Kn-8	Have specialized knowledge about the structure of the human body, its organs and systems; algorithm for providing emergency medical care in emergencies (cardiac arrest and respiration)	LO-8
Ab-8	Be able to provide emergency medical care in an emergency - to perform indirect heart massage and artificial respiration	LO-8
C-8	Explain the need and procedure for emergency medical care	LO-8
AR-8	Be responsible for the timeliness and quality of emergency medical care	LO-8
Kn-11	Have specialized knowledge about man, his organs and systems; knowledge of algorithms for performing medical manipulations provided by the program	LO-11
Ab-11	Be able to perform medical manipulations provided by the program	LO-11
C-11	It is reasonable to formulate and convey to the patient, specialists conclusions about the need for medical manipulations	LO-11
AR-11	To be responsible for the quality of medical manipulations	LO-11
Kn-13	To know preventive measures concerning the mode of activity and rest, promotion of a healthy way of life within the limits of primary medical care to the population	LO-13
Ab-13	Implement a system of primary prevention measures on the basis of data on the health status of the population served and the presence of the determinants of health in the therapeutic department, using existing methods within the primary health care.	LO-13
C-13	Build a communication strategy for vaccine prevention of controlled infections and harmful habits	LO-13
AR-13	To be responsible for the quality of sanitary and educational activities	LO-13
Kn-17	Know the system of official document management in the professional work of medical staff, including modern computer information technology	LO-17
Ab-17	Be able to determine the source and location of the required information depending on its type;	LO-17
C-17	be able to process information and analyze the information obtained	LO-17

AR-17	Get the necessary information from a specific source and on the basis of its analysis to formulate appropriate conclusions	LO-17
AR-21	To be responsible for the completeness and quality of the analysis of information and conclusions based on its analysis	LO-21
AR-22	Form goals and determine the structure of personal activities	LO-22
AR-23	To be aware of and guided in their activities by civil rights, freedoms and responsibilities, to raise the general educational and cultural level	LO-23
AR-24	Adhere to the requirements of ethics, bioethics and deontology in their professional activities	LO-24
AR-25	Organize the necessary level of individual safety and patient safety in case of typical dangerous situations in the individual field of activity	LO-25

**6. Course format and scope**  
**The format of the course is full-time**

Name of Practice	Number of weeks	Total hours / credits	Year of study/ Semester	Type of control
"Nursing practice in conditions of therapeutic department "	3	5 credits / 150 hours (including: 75-practical and 75 self work)	III Year of study/ (6 Semester)	Differentiated credit

**7. Topics and content of the course**

№	Topic	Practical classes
1.	Organization of work and responsibilities of the nurse of the main structural units of the therapeutic hospital. Work with the documentation which is conducted by the nurse in various divisions of a therapeutic hospital. Basic rules of storage of medicines and tools.	PRS-1 PRS-22 PRS-27
2.	Organization of medical nutrition in the hospital. Basic principles of medical nutrition. Diet tables and individual diets. Artificial nutrition. Responsibilities of a nurse to maintain medical and sanitary and hygienic regimes of the therapeutic department	PRS-1 PRS-17 PRS-22 PRS-27
3.	Duties and actions of the nurse of the therapeutic department. Organization of the work of the nurse's post. Documentation, which is filled in by the nurse, the rules of its maintenance. Registration of patients admitted to the department. Thermometry, blood pressure measurement, pulse study with data entry into the temperature sheet (vital signs). Work with the list of appointments. Rules for providing patients with tablets and soluble drugs.	PRS-1 PRS-17
4.	Organization of the work of the nurse of the manipulation room. Basic documentation of the manipulation room. Rules for storage and accounting of medicines and medical instruments in the manipulation room. Prescription, accounting and storage of potent, narcotic and toxic substances in accordance with the current order.	PRS-1 PRS-17 PRS-22 PRS-27
5.	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 reusable tools.	PRS-10

6.	Responsibilities of the nurse to ensure the diagnostic process in the therapeutic hospital. Basic rules of preparation of the patient for gastroscopy, rectoromanoscopy, colonoscopy, ultrasound examination of the abdominal cavity. The main types of enemas and the rules of their use.	PRS-17
7.	Preparation of patients and necessary equipment for taking feces for helminth eggs, occult blood, coprogram. Rules of taking urine analysis for research according to the methods of Zymnytsky, Addis-Kakovsky, Nechyporenko, their diagnostic value.	PRS-17
8.	Preparation and conduct of duodenal sounding. Gastric lavage, methods of its implementation, taking lavage water for research. Preparation of probes, catheters, tips for manipulations.	PRS-17
9.	Methods and techniques of electrocardiogram registration. Analysis of its main elements.	PRS-7 PRS-17
10.	The simplest methods of physiotherapy. Acquaintance with carrying out of physiotherapeutic procedures (hydrotherapeutic, light, electromagnetic): a technique of their release, supervision of patients and rendering of the first pre-medical aid in case of deterioration of a condition of the patient at carrying out physiotherapeutic procedures.	PRS-17
11.	The main types of compresses. Rules for applying warming, cold, medical compresses. Technique of application of cans, mustard plasters, use of a heater, a bubble with ice. Use of medical leeches, conditions of their storage. Rules for using pocket and stationary inhalers. Treatment and disinfection of reusable products.	PRS-17
12.	Features of the nurse's work in the intensive care unit. Methods and techniques for supplying humidified oxygen and using an oxygen pillow. The concept of resuscitation. Methods and techniques of the simplest resuscitation measures: mouth-to-mouth and mouth-to-nose resuscitation, indirect heart massage. The process of dying and its periods. The concept of clinical and biological death. Rules of conduct with the corpse.	PRS-14 PRS-17
13.	General rules of care for patients with bed rest, seriously ill and agonists. Ensuring a comfortable position in bed, prevention of bedsores, personal hygiene, change of underwear and bed linen, providing physiological stools (urine, feces). Use of the base vessel and urinal. Application of a gas discharge tube, enemas. Types of enemas, methods and techniques of their application, methods of disinfection and storage of enema equipment. Feeding seriously ill patients with a strict bed rest. Parenteral method of artificial administration of food products.	PRS-17
14	First aid for poisoning, heat and sunstroke. First aid for drowning, electric shock.	PRS-14 PRS-17
15.	Assessment of practical skills, diary check, admission of a student (who received for the performance of practical skills not less than 72 points) to write a differential test.	
	Differentiated credit.	

#### 8. Verification of learning outcomes

№	Code type of practical skills	Method of verifying learning outcomes (demonstration of practical skills) (LO 11: <i>Kn-11, Ab-11, C-11, AR-11</i> )	Enrollment criteria
1.	P-1	Be able to fill in medical records, the maintenance of which is the responsibility of the nurse of the therapeutic department	<b>Criteria for assessing the implementation of practical skills:</b>  • performing practical skills without mistakes -5 points,
2.	P-1	Be able to prescribe and account for potent and narcotic medications.	
3.	P-1	Be able to provide patients with medicines according to the prescription list	



4.	P-1	Be able to collect a sterile syringe from a kraft bag, sterilizer, tool table, disposable. Be able to collect drugs from ampoules and vials	<ul style="list-style-type: none"> <li>• performance of practical skills with some shortcomings corrected by the student -4 points</li> <li>-performance of practical skills with shortcomings corrected by the teacher – 3 points,</li> <li>• no practical skill - 0 points</li> </ul>	
5.	P-2	Be able to perform intradermal and subcutaneous injections		
6.	P-2	Be able to use an insulin syringe. Be able to calculate the dose and inject insulin		
7.	P-2	Be able to perform intramuscular injections (dissolve, calculate the dose and inject the antibiotic)		
8.	P-2	Be able to apply a tourniquet and perform venipuncture, bloodletting, inject medications intravenously. Be able to take blood from a vein for laboratory research (bacteriological, biochemical)		
9.	P-3	Be able to fold and fill the system for intravenous infusions. Intravenous drip of medications.		
10.	P-3	Be able to prepare the patient for probing the stomach by fractional method using enteral and parenteral stimuli, for duodenal probing (three- and five-phase). Know the technique of performing these instrumental studies		
11.	P-3	Be able to prepare the patient and take part in X-ray examination of the stomach, intestines, cholecystography, urography		
12.	P-3	Be able to prepare the patient and participate in bronchoscopy, cystoscopy, esophagogastroduodenoscopy, colonoscopy and rectoromanoscopy		
13.	P-3	Carry out pre-sterilization cleaning of instruments with quality control of pre-sterilization processing of instruments		
14.	P-3	Sterilize medical instruments, dressings and care items, sterilization control		
15.	P-3	Collect swabs from the throat and nose, collect sputum for research, collection of feces and urine for various types of research		
16.	P-4	Be able to provide emergency care to patients with heart pain, collapses, asthma attacks, cough, dyspnea, hemoptysis, pulmonary hemorrhage, gastric bleeding, vomiting and aspiration of vomit		
17.	P-4	Be able to put an enema (cleansing, siphon, oil, food)		
18.	P-4	Inject the medications into the ears, nose, eyes		
19.	P-4	Be able to record an electrocardiogram and interpret its main indicators		
20.	P-4	Apply a compress, put mustard plaster and cupping glasses.		
21.	P-4	Be able to supply oxygen from an oxygen pillow through a nasal catheter		
22.	P-4	Be able to use different types of inhalers		
23.	P-4	To feed the seriously ill patients.		
24.	P-4	Be able to perform indirect heart massage and artificial lung ventilation		
<b>The sum of points for the implementation of practical skills</b>				<p>The maximum number of points is 120 (24 x 5). The minimum number of points is 72 (24 x3)</p>

**Final control**  
**List of questions for the final control**

1. Ethical foundations of nursing.
2. The main orders of the Ministry of Health of Ukraine, which regulate the activities of the nurse of the therapeutic department.
3. Responsibilities of the nurse of the main units of the therapeutic hospital.
4. The list of the documentation which is conducted by the nurse, in various divisions of a therapeutic hospital.
5. Types of treatment and prevention facilities, structure and functions.
6. Admission department of the hospital, functions.
7. Reception, registration and sanitation of the patient
8. Sanitary and anti-epidemic regime of medical and preventive institutions.
9. The concept of infectious safety.
10. Types and methods of disinfection.
11. Types and methods of sterilization.
12. Medical and protective regime, its elements and significance for the patient.
13. Modes of physical activity.
14. Transportation and transfer of patients.
15. Replacement of bedding and underwear for the seriously ill patient.
16. Rules for storing clean and dirty laundry in the hospital.
17. Toilet eyes, ear canals, nasal passages, mouth of the seriously ill.
18. Bedsores. Risk factors for bedsores, stages of formation, localization, prevention.
19. Therapeutic nutrition, basic principles. Feeding the seriously ill.
20. Nutrition of patients in the hospital. Control of transfers from home, food storage.
21. Dietary food. Characteristics of diet tables.
22. Artificial feeding: through a tube, gastrostomy, using a nutritional enema, parenteral.
23. Thermometer: structure, rules of storage and use, disinfection.
24. Measurement of body temperature, registration (digital, graphic), evaluation of results.
25. Stages of fever, main symptoms. Care for patients with fever.
26. Observation of respiration (frequency, depth, rhythm). Respiratory rate calculation, digital and graphic recording.
27. Rules for using an individual spittoon, its disinfection.
28. Oxygen therapy: technique of oxygen supply from an oxygen pillow, through Bobrov's device.
29. Pulse: research technique, properties, digital and graphic image in the temperature sheet.
30. Blood pressure: measurement technique, evaluation, digital and graphical recording, blood pressure disorders.
31. Providing emergency medical care in case of dying.
32. Helping the patient during vomiting.
33. Gastric lavage, indications, contraindications, technique.
34. Cleansing enema, indications, contraindications, technique.
35. Siphon enema, indications, contraindications, technique.
36. Drip enema, indications, contraindications, technique.
37. Therapeutic enema, indications, contraindications, technique.
38. Oil enema, indications, contraindications, technique.
39. Flatulence, the use of a gas tube.
40. Measures for urinary retention. Catheterization of the bladder in men and women.
41. Indications and technique of bladder lavage.
42. The mechanism of action of the hot water bags: indications, contraindications, technique.
43. Mechanism of action, indications for use, technique of application of *ice* pack
44. Indications, contraindications, anatomical areas, technique of cupping glasses
45. Indications, contraindications, technique of applying mustard plaster.
46. Indications, contraindications, types and use of compresses.
47. Rules for prescribing and receiving medications in the hospital.
48. Rules of storage, placement and accounting of medications in the department.
49. Organization of drug distribution in the department.
50. External use of medications: rubbing ointments, instilling drops in the nose, ears, eyes.
51. Inhalation.
52. Enteral administration of medications: through the mouth, under the tongue, rectally.
53. Parenteral method of drug administration, advantages and disadvantages, tools.
54. Intradermal injections: purpose, anatomical areas, technique.

55. Mantoux test and medication sensitivity test. Evaluation of results.
56. Features of introduction of oil solutions, possible complications, prevention.
57. Calculation of the dose and rules of insulin administration.
58. Intramuscular injections: purpose, anatomical areas, technique.
59. Dissolution, dose calculation and administration of antibiotics.
60. Venepuncture: purpose, tools, technique.
61. Intravenous injection of medications.
62. Blood sampling from a vein for laboratory research.
63. Bloodletting: indications, contraindications, technique, possible complications.
64. Intravenous drip of medications (structure and assembly of the system for infusion therapy).
65. Possible complications of injections, causes, care.
66. Gastric sounding: patient preparation, equipment, technique of fractional sounding with enteral and parenteral stimuli.
67. Duodenal sounding: patient preparation, equipment, three- and five-phase sounding technique.
68. Taking a swab from the throat and nose, purpose, referral to the laboratory.
69. Laboratory examination of sputum. Patient preparation, equipment, sending material to the laboratory.
70. Laboratory examination of urine. Patient preparation, equipment, sending material to the laboratory.
71. Laboratory examination of feces. Patient preparation, equipment, sending material to the laboratory.
72. Preparation of patients and participation of the nurse in X-ray inspection of a digestive tract, irigoscopy, cholecystography, urography.
73. Patient training and nurse participation in endoscopic and ultrasound examinations.
74. Participation of the nurse in carrying out a pleural puncture: preparation of the patient, equipment, supervision and care of the patient.
75. Participation of the nurse in carrying out an abdominal puncture: preparation of the patient, equipment, supervision and care of the patient.
76. Lumbar puncture: patient preparation, equipment, observation and care of the patient.
77. Rules of procedure with a cadaver.
78. Bioethical norms when working with incurable patients and their relatives.
79. Psychological support of relatives of the incurable patient in the difficult period.
80. Hospice. Organization, tasks and content of work. Structure, states.
81. Blood sampling from a vein for laboratory research (bacteriological, biochemical).
82. Technique of taking a swab from the throat and nose.
83. Collection of sputum for laboratory research (general, bacteriological).
84. Taking vomit and gastric lavage for laboratory testing.
85. Taking feces for laboratory research: coprological, bacteriological, occult blood, helminth eggs.
86. Patient preparation and technique of gastric probing by fractional method using enteral and parenteral stimuli.
87. Urine collection for general urinalysis, research of glucose in urine, amylase.
88. Determination of daily diuresis, water balance.
89. Collection of urine by the method of Zymnysky, Nechyporenko.
90. Urine collection for bacteriological examination.
91. Writing referrals to the laboratory for all types of research.
92. Preparation of the patient and participation of the nurse in X-ray inspection of a stomach, intestines, cholecystography, urography.
93. Carrying out a test for sensitivity to a contrast agent.
94. Patient preparation and nurse's participation in bronchoscopy, cystoscopy, esophagogastroduodenoscopy, colonoscopy and rectoromanoscopy.
95. Pleural puncture (pleurocentesis): preparation of the patient, equipment, medical assistance, care and observation of the patient during and after the procedure.
96. Lumbar puncture: preparation of the patient, equipment, medical assistance, care and observation of the patient during and after the procedure.
97. Abdominal puncture: preparation of the patient, tools, medical assistance, care and observation of the patient during and after the manipulation.

<b>General evaluation system</b>	<i>The grade for the internship consists of the sum of points for the student's performance of practical skills and differentiated credit (60% / 40%) on a 200-point scale</i>
<b>Rating scales</b>	<i>Traditional 4-point scale,</i>

	<i>multi-point (200-point) scale, ECTS rating scale</i>	
<b>Conditions of admission to the final control</b>	<p><i>Students who are admitted to the final control (differential test) for the care of patients in the therapeutic department of the hospital are:</i></p> <ul style="list-style-type: none"> <li>• <i>completed the internship program,</i></li> <li>• <i>have properly executed reporting documents:</i> <ul style="list-style-type: none"> <li>- <i>practice diary (Appendix 1),</i></li> <li>- <i>positive characteristics of the general manager from the base of practice (Appendix 2);</i></li> <li>- <i>received for the performance of practical skills not less than 72 points.</i></li> </ul> </li> </ul>	
<b>Type of final control</b>	In accordance with the requirements of the program, on the last day of practice students make a differentiated test	<p><i>Enrollment criteria:</i></p> <ul style="list-style-type: none"> <li>- <i>the maximum number of points for the final control - 80,</i></li> <li>- <i>minimum number of points - 50.</i></li> </ul>

**Criteria for assessing differentiated credit**

Differentiated credit	<p>Conducted in writing and includes:</p> <ul style="list-style-type: none"> <li>- 60 test tasks;</li> <li>- 2 situational tasks.</li> </ul>	<p><i>Enrollment criteria:</i></p> <ul style="list-style-type: none"> <li>- correct answer to the test task - 1 point;</li> <li>- solving a situational problem without errors - 10 points;</li> <li>- solving a situational problem with some insignificant errors - 8 points;</li> <li>- solving a situational problem with significant errors - 6 points;</li> <li>- failure to solve a situational problem - 0 points.</li> </ul>
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The assessment for practice consists of:

- the amount of points for the student's practical skills, which are checked by the immediate supervisor from the base of practice (maximum 120 points - minimum 72 points),
- points for the final control, which are set when conducting a differentiated test (maximum 80 points - minimum 50 points).

Points from the discipline are independently converted into both the ECTS scale and the 4-point scale. Student scores are ranked on the ECTS scale as follows:

Table 1

<b>Points ECTS</b>	<b>The statistical indicator</b>
<b>A</b>	<b>The best 10% of students</b>
<b>B</b>	<b>The next 25% of students</b>
<b>C</b>	<b>The next 30% of students</b>
<b>D</b>	<b>The next 25% of students</b>
<b>E</b>	<b>The last 10% of students</b>

Practice points for students who have successfully completed the program are converted into a traditional 4-point scale according to absolute criteria:

Table 2

<b>Points from discipline</b>	<b>Grade on 4-point scale score</b>
From 170 to 200 points	5
From 140 to 169 points	4
From 139 points to the minimum	3

### 9. Course policy

The policy of the discipline "Care of patients in the therapeutic department of the hospital" is based on the principles of academic integrity. Students are explained the value of acquiring new knowledge, academic standards that must be followed, why they are important, what is academic integrity, what are its values and functions, how students can contribute to its development by their actions.

***Policy on adherence to the principles of academic integrity of higher education students:***

- independent performance of educational tasks of current and final controls without the use of external sources of information, except in cases permitted by the teacher, preparation of practical tasks during the lesson;
- write-offs during knowledge control are prohibited (including with the use of mobile devices);
- independent performance of individual tasks.

***Policy on adherence to the principles and norms of ethics and deontology by higher education students:***

- actions in professional and educational situations from the standpoint of academic integrity and professional ethics and deontology;
- compliance with the rules of internal regulations of the clinical base of the department, to be tolerant, friendly and balanced in communication with students and teachers, patients, medical staff of the health care institution;
- awareness of the importance of examples of human behavior in accordance with the norms of academic integrity and medical ethics.

### 10. Literature

**Required reading:**

1. Nursing Assistant: A Nursing Process Approach—BASICS / Barbara R. Hegner, Barbara Acello, Esther Caldwell – United States of America: Delmar, Cengage Learning, 2010. – 701 p.
2. Fundamentals of Nursing (Concepts and Procedures) / ed. by Barbara Kozier, BA, BSN, RN, MN; Glenora Erb, BSN, RN. – Addison – Wesley Publishing Company, Nursing Division, Menlo Park, California, 1983.

*Additional literature:*

1. Curriculum in Palliative Care for Undergraduate Medical Education : Recommendations of the European Association for Palliative Care [Electronic resource] / Milano, EAPC, 2007.–24p.- Accessmode: <http://www.eapcnet.eu/LinkClick.aspx?fileticket=VmnUSgQm5PQ%3D>.
2. EAPC Atlas of Palliative Care in Europe [Electronic resource]/ [C. Centeno, D. Clark, T. Lynch et al.] – Houston : IAPHC Press, 2007. – 340 p. – Access mode: <http://www.eapc-taskforce-development.eu/documents/taskforce/ATLAS-EAPC-2007.pdf>

### 11. Equipment, logistics and software of the discipline / course

1. Working curriculum of the discipline;
2. Plans for practical classes and independent work of students;
3. Methodical instructions for practical classes for students;
4. Methodical materials that provide independent work of students;
5. Test and control tasks for practical classes;
6. List of issues submitted for final control;
7. Methodical support of the final control:
  - database of test tasks of format A with answers.
  - list of standardized practical methods of performing practical skills.
  - situational tasks.
8. Phantom for resuscitation.

### 12. Additional Information

Summarizing the results of the internship is carried out in the presence of all reporting documents provided by the internship program, and the characteristics of the student's production activities during the

internship, signed by the immediate and general supervisor from the internship database (Appendices 1 and 2).

The implementation of practical skills is checked daily by the immediate supervisor of the practice from the base and endorses their implementation in the student's practice diary. The head of practice from the University systematically monitors the diaries of students.

Final control, in accordance with the requirements of the internship program, students make on the last day of the internship commission, which includes practice leaders from the University and, if possible, from the bases of practice.

The grade for the internship is entered by the head of the University in the student's record book and test report. Within three days after the end of the internship, the head of the University submits a statement to the relevant dean's office, a report on the internship - to the practice department of the University.

The grade for the internship is taken into account when considering the appointment of a scholarship along with the grades for exams and other differentiated tests.

Students who do not complete the internship program without good reason, receive an unsatisfactory grade for the internship and do not eliminate academic debt by the beginning of the next semester are expelled from the University.

The results of the practice are annually heard and discussed by the relevant departments, profile methodological commissions, Academic Councils of the faculties and the University.

*Appendix 1*

**Dairy**

**" NURSING PRACTICE IN CONDITIONS OF THERAPEUTIC DEPARTMENT"**

Full name \_\_\_\_\_

Faculty: \_\_\_\_\_ Course \_\_\_\_\_ Group \_\_\_\_\_

Base of practice \_\_\_\_\_

Lviv –202\_\_ year

Student \_\_\_\_\_

(Full name)

acting nurse's assistant, during the course of practice "Care for patients in therapeutic department of a hospital" on the base of \_\_\_\_\_

(Name of the Hospital )

in \_\_\_\_\_

(City, region )

Date of practice: from \_\_\_\_ . \_\_\_\_ till \_\_\_\_ . \_\_\_\_ 202\_\_ year

Head of practice from Department \_\_\_\_\_

(position, full name, signature)

Head of practice from hospital \_\_\_\_\_

(position, full name)

Supervisor of practice \_\_\_\_\_ - \_\_\_\_\_

(position, full name)

Student started " \_\_\_\_ " \_\_\_\_\_ 202\_\_ year finished " \_\_\_\_ " \_\_\_\_\_ 202\_\_ year

Signature of supervisor \_\_\_\_\_

P. S.

## COMMENT AND ASSESSMENT OF STUDENT WORK IN PRACTICE

From hospital

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From university

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Responsible for the practice – associate professor, MD, PhD Ivasivka R.S.,  
[ivasivka\\_roksoljana@meduniv.lviv.ua](mailto:ivasivka_roksoljana@meduniv.lviv.ua) .

Responsible for students of the English department - associate professor, MD, PhD Abrahamovych K.J.,  
[nef\\_kristina@ukr.net](mailto:nef_kristina@ukr.net)

Students come to classes in dressing gowns, changeable medical shoes, and a mask in their pockets.

Student must have a notebook and a pen. At practical classes it is necessary to have own stethoscope.

Compilers of a syllabus

associate professor, MD, PhD Ivasivka R.S.

associate professor, MD, PhD Abrahamovych K.J.

assistant professor, MD, PhD Kurban M. M.,

assistant prof. Chmyr N.V.