

**ANDREI KRUPYNSKYI LVIV MEDICAL ACADEMY**

*Department of Internal Medicine and Healthcare Management*

**APPROVED**

**Vice-Rector for Educational Work**

\_\_\_\_\_ *Ph.D. in Chemistry Soika L.D.*

«\_\_» \_\_\_\_\_ 2022

**SYLLABUS**  
**of the discipline**  
**“NURSING IN INTERNAL MEDICINE”**

for training of specialists for the Bachelor degree of higher education

branch of knowledge: 22 “Health care”

Specialty: 223 “Nursing”

**Discussed and approved at the meeting of Internal Medicine and Healthcare Management**


Protocol № 1 from «15» August, 2022

Head of the Department \_\_\_\_\_ Nedilko R. V., Ph.D. in Public Administration



## Syllabus of the discipline

### "NURSING IN INTERNAL MEDICINE"

<b>Branch of knowledge</b>	22 «Healthcare»
<b>Specialty</b>	223 «Nursing»
<b>Specialization</b>	Nursing
<b>Academic degree</b>	Bachelor
<b>Discipline status</b>	<b>Normative</b>
<b>Group</b>	<b>II MCI-22</b>
<b>The language of instruction</b>	English
<b>The department to which the discipline is assigned</b>	Department of Internal Medicine and Healthcare Management
<b>Teacher of the discipline</b>	Yankiv Sofia Volodymyrivna
	
<b>Teacher's contact information</b>	E-mail: <a href="mailto:s.yankiv@lma.edu.ua">s.yankiv@lma.edu.ua</a>
<b>Consultations</b>	According to the consultation schedule. Online consultations are possible through ZOOM, Meet, or similar resources. To agree on the time of online consultations students should write to the teacher's e-mail or call.
<b>Discipline page</b>	<a href="https://vl.lma.edu.ua/course/view.php?id=430">https://vl.lma.edu.ua/course/view.php?id=430</a>
<b>Information scope of academic discipline</b>	The amount of credits – 14 The amount of total hours – 420 Modules – 8 The year of training – II-III Semester –III, IV, V, VI Lecture – 42 hours Seminars (practical classes, laboratory classes) – 172 hours Self-study – 206 hours
<b>Short annotation of the discipline</b>	Syllabus of the discipline "Nursing in Internal Medicine" is a normative discipline in the specialty Nursing. The discipline is designed in such a way as to provide applicants for higher education with the necessary knowledge to solve professional problems when examining a nurse medical patient and assessing his state of health,

	<p>establishing a nursing diagnosis, planning and implementing nursing interventions. The subject of study of the discipline is the assimilation of the stages of the nursing process in the most common pathologies of internal organs.</p>
<p><b>Purpose and goals of the discipline</b></p>	<p>The purpose of the discipline "<b>Nursing in internal medicine</b>" is: to enhance and improve students' knowledge, the formation of practical skills in accordance with the stages of the nursing process.</p> <p>According to the requirements of the educational and professional program, students must</p> <p><b>know:</b></p> <ul style="list-style-type: none"> <li>– main symptoms of diseases of internal organs;</li> <li>– stages of the nursing process;</li> <li>– dietary tables, basics of a balanced diet;</li> <li>– safety rules during operation;</li> <li>– fundamentals of nursing ethics and deontology;</li> <li>– official duties of the nurse, current orders and instructional letters of the Ministry of Health of Ukraine, the regional Department of Health;</li> </ul> <p><b>be able to:</b></p> <ul style="list-style-type: none"> <li>– carry out the stages of the nursing process during the care of patients with diseases of the internal organs;</li> <li>– perform all types of injections;</li> <li>– provide pre-medical and medical care in emergency conditions within the framework of independent and dependent interventions with: <ul style="list-style-type: none"> <li>○ an attack of bronchial asthma;</li> <li>○ pulmonary hemorrhage;</li> <li>○ fainting;</li> <li>○ collapse;</li> <li>○ shock;</li> <li>○ angina attack;</li> <li>○ myocardial infarction;</li> <li>○ acute ventricular failure;</li> <li>○ hypertensive crisis;</li> <li>○ vomiting;</li> <li>○ gastric bleeding</li> <li>○ hepatic colic;</li> <li>○ renal colic</li> <li>○ diabetic coma;</li> <li>○ hypoglycemic coma;</li> <li>○ anaphylaxis shock;</li> <li>○ acute allergic conditions;</li> </ul> </li> <li>– to prepare and collect biological material for laboratory samples;</li> <li>– prepare the patient for medical procedures and examination;</li> <li>– to carry out measures aimed at maintaining infectious safety, sanitary-anti-epidemic and</li> <li>– treatment-protection regimes of health care institutions;</li> <li>– plan your working time, organize your work;</li> <li>– keep records of the use of toxic and potent drugs, narcotic substances;</li> <li>– keep medical records.</li> </ul>
<p><b>Program learning outcomes (PLO)</b></p>	<p>PLO01. Conduct a nursing subjective and objective examination of various organs and systems of the patient and evaluate the obtained data.</p> <p>PLO02. Conduct nursing diagnosis: identify and assess patient problems.</p> <p>PLO03. Plan nursing interventions and implement them.</p> <p>PLO04. Monitor the work of junior medical staff and the state of equipment.</p> <p>PLO05. Monitor the implementation of the rules of the internal procedure by the staff and patients on compliance with measures of the sanitary and hygienic regime</p>

in the wards and medical offices.  
 PLO06. Carry out nursing administration.  
 PLO08. Participate in monitoring of healthy and sick population, rehabilitation and dispensary supervision.  
 PLO09. Perform medical manipulations in order to ensure a sanitary and anti-epidemic mode.  
 PLO10. It is necessary to perform medical manipulations in order to ensure the patient's personal hygiene.  
 PLO11. Perform the simplest methods of physiotherapy.  
 PLO12. Coordinate actions using a combination of multiple skills to ensure patient nutrition.  
 PLO13. Independently perform medical manipulations in order to take measures to stabilize the functional state of the body.  
 PLO14. Prescribe, store and apply pharmacological agents.  
 PLO15. Be able to prepare the patient, collect and direct biological material for laboratory and instrumental research.  
 PLO16. Provide emergency medical care based on the diagnosis of an emergency.  
 PLO17. Ability to be accurate in performing interdependent nursing functions.  
 PLO18. Plan and carry out preventive and anti-epidemic measures for infectious diseases.  
 PLO19. Organize and conduct training of patients and their family members on medical issues.  
 PLO20. Conduct medical and hygienic propaganda.  
 PLO21. Appropriate medical documentation should be kept.

**Course Policy**

**Adherence to the principles of academic integrity**  
 No form of violation of academic integrity is tolerated. It is expected that students' work is expected to be independent, with their own original research or thinking. For people with special educational needs, this requirement is applied to their individual needs and abilities. The use of external sources is prohibited during the performance of written tests, module works, testing, during preparation for the answer at the exam. Detection of signs of violation of academic integrity in student's written work is the basis for its non-enrollment by the teacher.

**Adherence to the principles and norms of ethics and professional deontology**  
 During classes students of higher education act from the positions of academic integrity, professional ethics and deontology, follow the rules of internal regulations of the Academy. During the fight against the COVID-19 pandemic students should follow all the guidelines of the anti-epidemiological regime: wear masks, adhere to social distance, use antiseptics. Students should behave tolerantly and friendly in communication between themselves and teachers.

**Attending classes**  
 Students should attend all lectures, practical classes and laboratory works of the course and inform the teacher about the inability to attend classes.

**Deadline policy**  
 Students are required to adhere to the deadlines determined by the course in general and all types of work in particular.

**The procedure of working off missed classes**  
 Students can work off classes which were missed without a significant reason in accordance with the schedule of working off and consultations. Classes which were missed for a significant reason can be worked out at any time convenient for the teacher.

Reassignment of the final grade in order to increase it is not allowed, except situations provided by the regulations of the Academy, or non-appearance for the final control for a significant reason.

**Structure of the discipline**

### TOPICS OF LECTURES

№	Topic name	Number of hours
<b>III SEMESTER</b>		
1.	The doctrine of nursing in internal medicine. Subjective and objective methods of examining the patient	2
2.	Laboratory methods and medical procedures in patient assessment	2
3.	Nursing process in chronic obstructive pulmonary diseases, bronchial asthma	2
4.	Nursing process for pneumonia and pleurisy	2
<b>Total for the III semester:</b>		<b>8</b>
<b>IV SEMESTER</b>		
5.	Nursing process for gastritis, peptic ulcer	2
6.	Nursing process for hepatitis and cirrhosis of the liver	2
7.	Nursing process for cholelithiasis and cholecystitis	2
8.	Nursing process with glomerulonephritis. Nursing support for patients with acute and chronic renal failure	2
9.	Nursing process in acute and chronic pyelonephritis	2
10.	Nursing process for nephrolithiasis	2
11.	Nursing process in thyroid hyperfunction and hypothyroidism	2
12.	Nursing support for patients with diabetes and obesity	2
<b>Total for the IV semester:</b>		<b>16</b>
<b>V SEMESTER</b>		
13.	Nursing process for arterial hypertension and atherosclerosis	2
14.	Coronary heart disease in the clinic of internal diseases. Nursing process in assisting patients with angina pectoris	2
15.	Nursing process for myocardial infarction	2
16.	Nursing process in assisting patients with acute and chronic cardiovascular insufficiency	2
17.	Nursing process in assisting patients with allergies	2
18.	Nursing process in assisting patients with acute rheumatic fever and rheumatoid arthritis	2
<b>Total for the V semester</b>		<b>12</b>
<b>VI SEMESTER</b>		
19.	Nursing process for anemia	2
20.	Nursing process in assisting patients with acute and chronic hemoblastosis	2
21.	Nursing management of patients with coagulopathies	2
<b>Total for the VI semester :</b>		<b>6</b>
<b>Total:</b>		<b>42</b>

### TOPICS OF PRACTICAL CLASSES

№	Topic name	Number of hours
<b>III SEMESTER</b>		
1.	Subjective and objective methods in patient assessment	4
2.	Laboratory methods and medical procedures in patient assessment	4
3.	Nursing process in chronic obstructive pulmonary diseases, bronchial asthma	4
4.	Nursing process for pneumonia and pleurisy	4
5.	Nursing process for pulmonary tuberculosis	4
6.	<i>Modular control 1.</i> The doctrine of nursing in internal medicine. Methods of examination of the patient in the clinic of internal diseases. Nursing process in the pathology of the respiratory system	4
<b>Total for the III semester:</b>		<b>24</b>
<b>IV SEMESTER</b>		

7.	Nursing process for gastritis	4
8.	Nursing process for peptic ulcer disease	4
9.	Nursing process in chronic hepatitis	4
10.	Nursing process for cirrhosis of the liver	4
11.	Nursing tactics for cholelithiasis and cholecystitis	4
12.	<b>Modular control 2.</b> Nursing process in the pathology of the digestive system	4
13.	Nursery process at glomerulonephritis	4
14.	Nursing support for patients with acute and chronic renal failure	
15.	Nursing process in acute and chronic pyelonephritis	4
16.	Nursery process at nephrolithiasis	4
17.	<b>Modular control 3.</b> Nursing process in pathology of the urinary system	4
18.	Nursing process in thyroid hyperfunction and hypothyroidism	4
19.	Nursing process in diabetes	4
20.	Nursing process for obesity	4
21.	Nursing process in adrenal pathology	4
22.	Nursing process in diseases of the pituitary gland	4
23.	Nursing process in assisting patients in the endocrinology department	4
24.	<b>Modular control 4.</b> Nursing process in the pathology of the endocrine system and metabolism	4
	<b>Total for the V semester:</b>	<b>72</b>
	<b>V SEMESTER</b>	
25.	Nursing process for arterial hypertension and atherosclerosis	4
26.	Nursing process for coronary heart disease and angina pectoris	4
27.	Nursing process for myocardial infarction	4
28.	Nursing process in assisting patients with acute and chronic cardiovascular insufficiency	4
29.	<b>Modular control 5.</b> Nursing process in the pathology of the cardiovascular system	4
30.	Nursing process for allergic diseases	4
31.	Nursing process in acute rheumatic fever	4
32.	Nursing process in assisting patients with rheumatoid arthritis and systemic lupus erythematosus	4
33.	<b>Modular control 6.</b> Nursing process in rheumatic and systemic connective tissue diseases, allergic diseases	4
	<b>Total for the V semester:</b>	<b>36</b>
	<b>VI SEMESTER</b>	
34.	Nursery process at anemias	4
35.	Nursing process for acute hemablastosis	4
36.	Nursing process in chronic hemablastosis	4
37.	Nursing process for hemorrhagic diseases	4
38.	<b>Modular control 7.</b> Nursing process in the pathology of the blood system	4
39.	Work in diagnostic departments, functional diagnostics room, manipulation and treatment rooms	4
40.	Organization of nurse's work in the reception, pulmonological and phthisiatric departments	4
41.	Work in the cardiology department	4
42.	Organization of work of a nurse in the intensive care unit	4
43.	<b>Modular control 8.</b> The final work of students	4
	<b>Total for the VI semester:</b>	<b>40</b>
	<b>Together:</b>	<b>172</b>
<b>TOPICS FOR STUDENT'S SELF-STUDY</b>		
№	Topic name	Quantity Hours
<b>III SEMESTER</b>		

1.	Nursing process. Stages. Nursing diagnoses according to NANDA	3
2.	Features of building effective communication between the nurse and the patient	3
3.	Improving practical skills in preparing the patient for functional examination methods for respiratory pathology	3
4.	Oxygen administration of a patient with respiratory failure	4
5.	Bronchoscopy. Thoracentesis	3
6.	Nursing tactics for lung cancer	4
7.	Pharmacological support of patients with respiratory pathology	4
8.	Pulmonary hemorrhage and hemoptysis	3
9.	<b>Preparation for MK 1</b>	3
	<b>Total for the III semester:</b>	<b>30</b>
	<b>IV SEMESTER</b>	
10.	Improving practical skills in preparing the patient for instrumental methods of examination in the pathology of the digestive system	4
11.	Gastric and esophageal bleeding. Algorithm of nursing interventions	4
12.	Nursing tactics in acute and chronic pancreatitis	4
13.	Laparocentesis	3
14.	Chronic inflammatory diseases of the small intestine	4
15.	Chronic inflammatory diseases of the colon	4
16.	Pharmacological support of patients with pathology of the digestive system	4
17.	<b>Preparation for MK 2</b>	4
18.	Improving practical skills in preparing the patient for laboratory and instrumental methods of examination in renal pathology	4
19.	Nursing tactics for kidney cancer	3
20.	Pharmacological accompaniment for cystitis, urethritis	3
21.	Participation of the nurse in the hemodialysis procedure	4
22.	<b>Preparation for MK 3</b>	4
23.	Improvement of practical skills in preparing the patient for laboratory and instrumental methods of examination in the pathology of the endocrine system	4
24.	Autoimmune thyroiditis	3
25.	Condition after thyroidectomy	4
26.	Algorithm of nursing interventions in hyper- and hypoglycemic shock states	4
27.	Anorexia and bulimia	4
28.	Nursing process in Itsenko-Cushing's disease.	4
29.	Pheochromocytoma. Addison's disease	6
30.	Pharmacological support of patients with endocrine system pathology and metabolism	4
31.	<b>Preparation for MK 4</b>	4
	<b>Total for the IV semester:</b>	<b>86</b>
	<b>V SEMESTER</b>	
32.	Improving practical skills in preparing the patient for laboratory methods of examination in the pathology of the cardiovascular system	2
33.	Improving practical skills in preparing the patient for functional methods of examination in the pathology of the cardiovascular system	3
34.	Inflammatory heart disease: myocarditis, endocarditis, pericarditis	6
35.	Nursing process for heart valve disease	6
36.	Fatal heart rhythm disorders	4
37.	Pharmacological support of patients with pathology of the cardiovascular system	4
38.	Cardiovascular resuscitation. Stages and Algorithm of nursing interventions	4
39.	<b>Preparation for MK 5</b>	4

40.	Improving practical skills in allergy diagnostics	3
41.	Pharmacological support of patients with allergies	3
42.	Nursing process in systemic scleroderma	3
43.	<b>Preparing for MK 6</b>	4
	<b>Total for the V semester:</b>	<b>46</b>
<b>VI SEMESTER</b>		
44.	Nursing tactics for lymphomas	4
45.	Myeloma disease.	4
46.	Pharmacological support of patients with thrombosis	4
47.	Replacement transfusion of blood and its components	4
48.	Improving practical skills in preparing the patient for laboratory and instrumental methods of examination in the pathology of the blood system	3
49.	<b>Preparation for MK 7</b>	3
50.	The role of nutrition in disease prevention	4
51.	Respiratory therapy as a rehabilitation component for respiratory pathology	4
52.	Nurse participation in addiction prevention	4
53.	Participation of a nurse in the implementation of specific and nonspecific prevention of tuberculosis, hepatitis B	3
54.	Safe hospital environment	4
55.	<b>Preparation for MK 8</b>	3
	<b>Total for the VI semester:</b>	<b>44</b>
	<b>Together:</b>	<b>206</b>

**List of recommended literature**

**Basic sources:**

1. INTERNAL MEDICINE book 1/2/3 / Nestor M. SEREDYUK, Kyiv: AUS MEDICINE Publishing, 2019 — 656 pg.
2. INTERNAL MEDICINE CRITICAL CARE edited by O. Ya. BABAK. O.M. BILOVOL. Kyiv: AUS MEDICINE Publishing, 2018 — 350 c.
3. Internal Medicine for Nurses: Outlines of Internal Medicine for the Use of Nurses - Scholar's Choice Edition Paperback – February 11, 2015 by Clifford Bailey Farr
4. Harrison's Principles of Internal Medicine, Twentieth Edition (Vol.1 & Vol.2) 20th Edition. 2015
5. Nursing Diagnosis Handbook An Evidence-Based Guide to Planning Care TWELFTH EDITION Betty J. Ackley, MSN, EdS, RN , Gail B. Ladwig, MSN, RN

**Additional sources:**

1. NURSING PROCEDURES AND INTERVENTIONS TEXTBOOK FOR BACHELOR'S AND MASTER'S DEGREE PROGRAMMES Daniel Jirkovský et al.
2. Internal Medicine Edited by Bruce F. Scharschmidt, MD Cambridge university press, 2007
3. Ackley, B. J., Ladwig, G. B., Makic, M. B., Martinez-Kratz, M., & Zanotti, M. (2019). Nursing diagnosis handbook e-book: an evidence-based guide to planning care. Elsevier Health Sciences.
4. Nursing Care Plans: Diagnoses, Interventions, and Outcomes 9th Edition by Meg Gulanick PhD APRN FAAN (Author), Judith L. Myers RN MSN, 2017
5. NANDA International Nursing Diagnoses: Definitions & Classification, 2021-2023 12th Edition by T. Heather Herdman,

**INFORMATION RESOURCES**

**Notable search engines**

1. Google [www.google.com.ua](http://www.google.com.ua)
2. META [www.meta-ukraine.com](http://www.meta-ukraine.com)



	<p><b>Special medical search engines</b></p> <ol style="list-style-type: none"> <li>1. Global Medicine On-line Database — <a href="http://globmed.com/">http://globmed.com/</a></li> <li>1. European Hospital Web Directory — <a href="http://www.gigermd.com/hospital.htm">http://www.gigermd.com/hospital.htm</a> — European hospital web-guide</li> <li>2. UKRMED — Ukrainian Medical Resources — <a href="http://www.meduniv.lviv.ua/ukrmed/">http://www.meduniv.lviv.ua/ukrmed/</a></li> <li>3. National Institutes of Health (NIH) — Національний Інститут Здоров'я — <a href="http://www.nih.gov/">http://www.nih.gov/</a></li> <li>4. MedNet — <a href="http://www.mednet.com/">http://www.mednet.com/</a></li> <li>5. Modern telemedicine systems. Manual / Zlepko S.M. and others. - [Electronic resource] – access mode: <a href="http://posibnyky.vntu.edu.ua/b_ap/13.html">http://posibnyky.vntu.edu.ua/b_ap/13.html</a>.</li> <li>6. Information technology and management aspects in health care. Methodical recommendations / Martynyuk-Gres S.D., Serdyuk V.G. – IAPM, 2005. - [Electronic resource] – access mode: <a href="http://rivneosvita.org.ua/method_kabinet/biblioteka.php/Books%20/.../nw14.pdf">rivneosvita.org.ua/method_kabinet/biblioteka.php/Books%20/.../nw14.pdf</a>.</li> <li>7. National Medical Library of Ukraine. World medical resources. Access mode: <a href="https://library.gov.ua/svitovi-e-resursy/">https://library.gov.ua/svitovi-e-resursy/</a></li> <li>8. Medical libraries online. Access mode: <a href="http://medlib.bsmu.edu.ua/internet-resursy/biblioteky-on-lajn/">http://medlib.bsmu.edu.ua/internet-resursy/biblioteky-on-lajn/</a></li> </ol>			
<p><b>Control methods</b></p>	<p><b>Current control</b> is realized on the basis of the control of theoretical knowledge, skills and abilities.</p> <p><i>Forms of current control.</i></p> <ol style="list-style-type: none"> <li>1. Oral survey (frontal, individual, combined survey);</li> <li>2. Practical test of formed professional skills;</li> <li>3. Test control (open and closed tests).</li> </ol> <p><b>Individual work</b> of students is evaluated on practical classes and is part of the final grade of the student.</p> <p><b>Final control</b> is carried out in the forms of modular controls (test tasks and control of practical skills), an exam.</p>			
<p><b>Teaching methods</b></p>	<p>Forms and methods that will be used during the educational process: lectures, presentations, discussions.</p> <ul style="list-style-type: none"> <li>✓ verbal methods (lectures, discussion);</li> <li>✓ visual methods (illustration, demonstration, frontal experiment);</li> <li>✓ practical methods (laboratory work and solving of problems with professional content);</li> <li>✓ individual work of students with comprehension and learning of material;</li> </ul> <p>In the case of working remotely, the virtual learning environment MOODLE, Google Classroom will be used.</p> <p>Lectures and seminars will be conducted using zoom, meet or similar electronic communication programs.</p> <p>Current communication with the teacher will be carried out on social networks Viber, WhatsApp (at the choice of the academic group)</p>			
<p><b>Necessary equipment</b></p>	<p><b>In normal learning mode.</b> Studying the course involves each student joining the MOODLE learning environment, or Google Classroom.</p> <p><b>In the distance learning mode during quarantine,</b> the study of the course additionally involves each student joining the ZOOM or Meet programs (for classes in the mode of video conferencing). In this case, the student must independently take care of the quality of Internet access.</p>			
<p><b>Evaluation criteria</b></p>	<p style="text-align: center;"><b>SCHEME OF ACCOUNTING AND DISTRIBUTION OF POINTS</b></p> <p>According to the current “Regulations on the credit-module-rating system of the educational process of Andrei Krupynskyi Lviv Medical Academy”</p> <p style="text-align: center;"><b>Assessment scale: national and ECTS</b></p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;">On a 100-</td> <td style="width: 33%;">On a national scale</td> <td style="width: 33%;">On the ECTS</td> </tr> </table>	On a 100-	On a national scale	On the ECTS
On a 100-	On a national scale	On the ECTS		

point scale		scale
90-100	<i>Excellent</i>	A
80-89	<i>Good</i>	B
70-79	<i>Good</i>	C
60-69	<i>Satisfactory</i>	D
51-59	<i>Satisfactory</i>	E
35-50	<i>Unsatisfactory with the possibility of re-passing</i>	FX
0-34	<i>Unsatisfactory with compulsory re-course of the discipline for the specified semester</i>	F

**List of questions for final module control**

1. The history of the development of the doctrine of internal diseases.
2. Basic principles of human health care in Ukraine.
3. Nursing in the clinic of internal diseases, its role.
4. Nursing process, its stages.
5. Bronchitis is acute and chronic. Etiology. Nursing process for bronchitis.
6. Bronchial asthma. Etiology. Nursing process for bronchial asthma. Emergency care for an attack of bronchial asthma and asthmatic status.
7. Pneumonia. Definition. Classification. Extra-hospital pneumonia. Etiology. Nursing process for extra-hospital pneumonia. Hospital (nosocomial) pneumonia. Etiology. Nursing process in nosocomial pneumonia. Prevention of pneumonia, the participation of a nurse in its implementation.
8. Pleurisy. Definition. Classification. Nursing process with exudative pleurisy.
9. Pulmonary tuberculosis. Etiology. Classification. Nursing process in pulmonary tuberculosis. Diagnosis, complications, principles of treatment, specific and non-specific prevention. Government resolution on the fight and prevention of tuberculosis.
10. Acute allergic diseases. The concept of allergosis. Allergic reactions of immediate and delayed type. Nursing process for anaphylactic shock, angioedema, urticaria. Emergency care for allergic reactions of the immediate type. Prevention.
11. Rheumatic fever. Etiology. Nursing process for rheumatic fever. Primary and secondary prevention.
12. Systemic connective tissue diseases. Etiology. Nursing process in SLE and systemic scleroderma.
13. Acquired heart defects. Definition, causes. Nursing process for mitral heart defects.
14. Arterial hypertension (primary hypertension) etiology. Classification. Nursing process for arterial hypertension. Complication . Emergency care for hypertensive crises.
15. Symptomatic (secondary) hypertension. Classification. Nursing process.
16. CHD. Angina pectoris. Definition. Etiology. Forms and classes of angina pectoris. Nursing process. Emergency care at the prehospital stage with a pain attack.
17. Myocardial infarction. Etiology. Classification. Atypical forms. Nursing process with uncomplicated IM. Emergency care at the prehospital stage.
18. Acute vascular insufficiency. Classification. Syncope, collapse, shock. Causes, clinical manifestations, emergency care.
19. Chronic circulatory failure. The role of the Kyiv School of Therapist in the development of the classification of chronic heart failure. Nursing process.
20. Acute gastritis. Causes. Nursing process.
21. Chronic gastritis A, B. Etiology. Nursing process in chronic gastritis.
22. Peptic ulcer and duodenal ulcer. Etiology. Nursing process for gastric ulcer and duodenal ulcer. Complications of peptic ulcer, their clinical manifestations, emergency care.
23. Stomach cancer. Etiology, risk factors. Classification. Nursing process. Prevention.

24. Chronic pancreatitis. Etiology. Nursing process in chronic pancreatitis.
25. Chronic hepatitis. Etiology. Classification. Nursing process in chronic hepatitis.
26. Cirrhosis of the liver. Causes, classification. Nursing process for cirrhosis of the liver.
27. Cholecystitis. Definition, causes, classification. Nursing process for cholecystitis.
28. Calculous cholecystitis (cholelithiasis). Etiology. Nursing process in cholelithiasis. Clinical manifestations of biliary colic, emergency care.
29. Glomerulonephritis is acute and chronic. Etiology. Nursing process with glomerulonephritis.
30. Pyelonephritis is acute and chronic. Etiology. Nursing process for pyelonephritis.
31. Nephrolithiasis (kidney stone disease). Etiology. Nursing process in renal stone disease. Emergency care for an attack of renal colic.
32. Chronic renal failure. Etiology. Nursing process in chronic renal failure. Types of dialysis. Features of patient care.
33. Anemia. Concept, classification, etiology. Nursing process in anemia: post-hemorrhagic, iron deficiency, B12- and folic deficiency, hemolytic, hypo- and aplastic.
34. Hemoblastosis. Concept, causes, classification. Nursing process in acute leukemia.
35. Chronic leukemia (chronic myeloid and lymphoid leukemia). Stages, clinical manifestations, blood picture. Nursing process.
36. Malignant lymphomas and lymphosarcoma's. Nursing process.
37. Hemorrhagic diseases. Causes, classification. Nursing process in thrombocytopenic purpura, hemophilia, hemorrhagic vasculitis.
38. Rheumatoid arthritis. Etiology. Classification. Nursing process in rheumatoid arthritis.
39. Osteoarthritis. Etiology. Nursing process.
40. Adrenal diseases. Reason. Nursing process in adrenal pathology.
41. Addison's disease. Causes, clinical manifestations. Nursing process.
42. Diffuse toxic goiter. Etiology. Nursing process. Prevention.
43. Hypothyroidism. Myxedema. Etiology. Nursing process.
44. Diabetes. Definition, causes. Classification. Nursing process in diabetes. Early and late complications. Emergency care for comas (hypo- and hyperglycemic).
45. The specific of the work of a nurse in therapeutic departments of various profiles.

**Survey**

A questionnaire to assess the quality of the course will be provided upon completion of the course