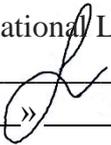


**National Pirogov Memorial Medical University, Vinnytsya**

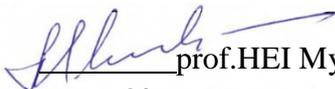
**“APPROVED”**

Higher Educational Institution Vice-Rector  
for Scientific and Academic Work and  
International Links

  
Inna ANDRUSHKO  
« 30 » 08 2024

**“AGREED”**

Head of the Department  
of Internal Medicine №1

  
prof.HEI Mykola STANISLAVCHUK  
« 30 » 08 2024

**SYLLABUS  
of academic discipline  
"Military therapy"**

Specialty	222 Medicine
Educational level	the second (master`s) level
Educational program	EPP Medicine, 2022
Academic year	2024-2025
Department of	Internal Medicine №1
Lecturer	Ass-prof., PhD Shvets L.V., Ass-prof., PhD Velickovic M.M, Ass-prof., PhD Perebetyuk L.S.
Contact information	<i>intmed1@vnmu.edu.ua,</i> <i>46 Pirogova Street (building №14), (0432) 509491</i>
Compiler of syllabus	Ass-prof., Ph.D. Savytska O.O.

## 1. Status and structure of the discipline

Discipline status	Compulsory
Discipline code in EPP/ discipline place in EPP	CC 50.1, discipline of general training
Course / semester	5rd year (X semester)
The amount of discipline (the total number of hours / number of credits ECTS)	60 hours / 2,0 credits ECTS
Number of content modules	1
The structure of the discipline	Lectures – 8 hours Practical classes – 30 hours Independent work -22 hours
Language of study	English
Form of study	Full-time (with the introduction of quarantine measures - distance full-time )

## 2. Description of the discipline

### Brief annotation of the course, relevance.

The subject area of the discipline "Military therapy" is the study of the basics of military therapy, with an emphasis on the study of etiology, pathogenesis, clinic, diagnosis, treatment and prevention of major diseases of internal organs at the stages of medical evacuation in war and peacetime.

### Prerequisites.

To successfully master the discipline "Military therapy" is based on knowledge of the following disciplines of general and professional training: human anatomy, medical biology, histology, cytology and embryology, pathomorphology, physiology, pathophysiology, medical and pathological physics, bioorganic and biological chemistry, microbiology and pharmacology , clinical pharmacology and clinical pharmacy, radiology and radiation medicine, propaedeutics of internal medicine and integrates with these disciplines.

### The purpose of the course and its significance for professional activities.

The purpose of the discipline "Military therapy" is to acquire and deepen knowledge, skills, abilities and other competencies in diseases of the internal organs in war and peacetime.

### Postrequisites.

In the process of studying the discipline, a student acquires knowledge, which is necessary for successful mastering of professional training for students to study diseases of internal organs in war and peacetime, which involves the integration of teaching with endocrinology, tuberculosis, clinical immunology, infectious diseases, surgery, obstetrics and gynecology, oncology and the application of knowledge, skills and abilities in the process of further education and professional activity.

## 3. Learning outcomes.

After successful study of the discipline, the applicant will be able to:

1. Skills of interviewing a patient with diseases of the internal organs in war and peacetime.

2. Determine the necessary list of laboratory and instrumental studies and evaluate their results in a patient with diseases of the internal organs in war and peacetime.
3. Establish a preliminary and clinical diagnosis of a patient with diseases of the internal organs in war and peacetime.
4. Determine the necessary mode of work and rest in the treatment of diseases of the internal organs in war and peacetime.
5. Determine the nature of nutrition in the treatment of diseases of the internal organs in war and peacetime.
6. Determine the principles and nature of treatment of diseases of the internal organs in war and peacetime.
7. Diagnose emergencies in patients with diseases of the internal organs in war and peacetime.
8. Determine the tactics of emergency medical care for a patient with diseases of the internal organs in war and peacetime.
9. Skills of providing emergency medical care in life-threatening conditions at the stages of medical evacuation.
10. Skills to perform medical manipulations of a patient with diseases of the internal organs in war and peacetime.
11. Determine the tactics of managing a patient with diseases of the internal organs in war and peacetime.
12. Conduct an examination of the patient's ability to work with diseases of the internal organs in war and peacetime.
13. Keep medical records of a patient with diseases of the internal organs in war and peacetime.

#### 4. Content and logistics of the discipline

Module 1. Military therapy	10 semester 60 hours / 2,0 credits	Lectures – № 1-4 Practical classes – № 1-8
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The discipline includes 8 topics that make up 1 module.

#### Module 1

**Topic 1.** Organization of therapeutic aid in wartime and in emergencies in peacetime.

**Topic 2.** Radiation damage. Clinical characteristics of ionizing radiation. Pathogenesis of radiation sickness. Clinical classification of radiation lesions.

**Topic 3.** Acute radiation syndrome. Stage treatment of patients with acute radiation syndrome. Atypical forms of acute radiation syndrome

**Topic 4.** Diseases of internal organs in combat surgical trauma and traumas in the conditions of disasters and peacetime accidents.

**Topic 5.** Emergency situations. Therapeutic aid for life threatening conditions during medical evacuation

**Topic 6.** General characteristics, classification, diagnosis and staged treatment of those affected by poisonous substances during hostilities and peacetime accidents. Antidote treatment

**Topic 7.** Diseases caused effect on thermal factors (heat and cold).

**Topic 8.** Practical skills

The topics of the **lectures** reveal problematic questions in the pathology of internal organs in war and peacetime.

**Practical classes** provide a theoretical justification of the main questions of the topic and the acquisition of the following practical skills is provided:

- 1) interviewing and clinical examination of patients with pathology of internal organs in war and peacetime. Ability to determine the required list of laboratory and instrumental studies and evaluate their results. Ability to establish a preliminary and final clinical diagnosis of the disease, differentiate with other diseases, prescribe treatment and to carry out preventive measures;
- 2) solving situational problems with the pathology of internal organs in war and peacetime.

On the practical classes, students analyze the topic of the lesson, conduct a clinical analysis of the thematic patient and solve clinically-oriented situational problems and test tasks.

The student's independent work involves preparation for practical classes and the development of practical skills, preparation of presentations, tables, processing of scientific literature and writing reviews on the topics provided for individual work. The control of mastering the topics of independent extracurricular work is carried out on the final control of the discipline.

Thematic plans of lectures, calendar plans of practical classes, thematic plan of independent work, volume and directions of individual work are published on the site of the department.

Route of receiving materials: Department of Internal Medicine №1 / Student / Full-time study / Medicine / 5th year / Educational and methodical materials / or by the link <https://www.vnmue.edu.ua/> Department of Internal Medicine №1 #. Access to materials carried out through the student's corporate account s000XXX@vnmue.edu.ua.

### 5. Forms and methods of monitoring the success of training

Current control in practical classes	Methods: oral or written survey, testing, electronic interview, solving situational tasks, conducting a clinical examination of a thematic patient, the appointment of a plan of examination and treatment.
Final control (credit)	Methods: oral examination (according to the regulations on the organization of the educational process in VNMU named after MI Pirogov (link <a href="https://www.vnmue.edu.ua/General information / Basic documents">https://www.vnmue.edu.ua/General information / Basic documents</a> )).
Learning success diagnostic tools	Theoretical questions, tests, clinically-oriented situational tasks, practical tasks, demonstration of practical skills.

### 6. Assessment criteria

Knowledge assessment is carried out in accordance with the Regulations of the Academic process in VNMU named after M.I. Pirogov ( link <https://www.vnmue.edu.ua/General information>)

Continuous assessment	On a four point system of traditional assessments: 5 «excellent», 4 «good»,3 «satisfactory», 2 «unsatisfactory»
Midpoint separation assessment	On a four-point system of traditional assessments
Final control of the discipline (Credit)	On a 200-point scale (conversion of the average traditional assessment of practical class on points) Credited: 122 to 200 points Not credited: less than 122 points (see Score Scale)evaluation

### Discipline assessment scale: national and ECTS

Points for all types of educational activities	Grade ECTS	Grade on a national scale	
		for exam, course project (work), practice	for credit
<b>180-200</b>	A	excellent	credited
<b>170-179,9</b>	B	good	
<b>160-169,9</b>	C		
<b>141-159,9</b>	D	satisfactory	
<b>122-140,99</b>	E	satisfactory	
<b>0 - 121,99</b>	FX	unsatisfactory with the possibility of reassembly	not credited with the possibility of reassembly
	F	unsatisfactorily with the mandatory repeated study of discipline	not credited with compulsory repeated study of the discipline

#### 7. Policy of discipline / course

The student has the right to receive high-quality educational services, access to contemporary scientific and educational information, qualified tutoring during the study of discipline and mastering practical skills. The policy of the department during the providing of educational services is a student-centered, based on normative documents of the Ministry of Education and the Ministry of Health of Ukraine, the Statute of the University and the Procedure for the Providing of Educational Services regulated by the main principles of the organization of the educational process in VNMU named after M.I.Pirogov and the principles of academic integrity.

**Adherence to the rules of VNMU, safety techniques in practical classes.** Instruction on safety when working with medical devices, safety of behavior in the hospital of the clinical base is carried out at the first practical lesson by the teacher.

**Requirements for preparation for practical classes.** The student should be prepared for a practical lesson.

A student should come to class on time, without delay. A student who is more than 10 minutes late is not allowed to the practical class and must work it in the prescribed manner.

In practical classes, the student must be dressed in a work uniform (medical gown, hat). Students who do not have a work uniform are not allowed to practice.

The student must follow the rules of safety in practical rooms and at the department.

When discussing theoretical issues, students should demonstrate tolerance, courtesy and respect for their colleagues and the teacher; when performing practical tasks, the workplace should be kept in order and be cleaned after performing practical work.

**Using of mobile phones and other electronic devices.** The use of mobile phones and other electronic devices in the classroom is allowed only during electronic testing or surveys.

**Academic integrity.** When studying the discipline, the student must be guided by the Code of Academic Integrity and Corporate Ethics of VNMU named after M.I. Pirogov (link : [https://www.vnmue.edu.ua/General information/](https://www.vnmue.edu.ua/General%20information/) Code of Academic Integrity). In case of violation of the norms of academic integrity during the current and final controls student receives a grade of "2" and must work it out to his teacher in the prescribed manner within two weeks after receiving an unsatisfactory assessment.

**Missed classes.** Missed classes are working out in the manner prescribed by Regulations of the Academic process in VNMU named after M.I. Pirogov (link <https://www.vnmue.edu.ua/General> information) at the time of work out schedule (published on the website of the department <https://www.vnmue.edu.ua/> Department of Microbiology #) to the teacher on duty. To work out missed lesson student must provide a protocol workbook with recipes for the topic, take a test and answer questions in writing or orally to the topic of the lesson. To work out missed lectures is carried out after providing a synopsis of lecture material, or writing an information message or preparing your own presentation on the topic of missed lectures.

**The procedure for admission to the discipline final control** is given in the Regulation of the Academic process in VNMU named after M.I. Pirogov (link <https://www.vnmue.edu.ua/General> information). Students who do not have missed practical classes and lectures and received an average traditional grade of at least "3" are allowed to final control.

**Additional points.** Individual points in the discipline that student can receive for individual work, is determined by the results of his individual work according to Regulation of the Academic process in VNMU named after M.I. Pirogov (link <https://www.vnmue.edu.ua/General> information) and policy of the course.

**Conflict resolution.** In case of misunderstandings and complaints to the teacher because of the quality of educational services, knowledge assessment and other conflict situations, student should submit his / her claims to the teacher. If the issue is not resolved, the student has a right to apply to the head of the department according to Complaints Consideration Procedure ([https://www.vnmue.edu.ua/](https://www.vnmue.edu.ua/General) General information / Basic documents).

**Politics in terms of remote learning.** Distance learning regulated by the Regulations of the elements of remote learning in VNMU named after Pirogov M.I. ([https://www.vnmue.edu.ua/](https://www.vnmue.edu.ua/General) General information). The main training platforms for studying are Microsoft Team and Google Meets. The procedure for conducting practical classes and lectures, exercises and consultations during distance learning is published on the website of the department ([https://www.vnmue.edu.ua/](https://www.vnmue.edu.ua/Department%20of%20Internal%20Medicine%20№1%20-%20Student) Department of Internal Medicine №1 / Student or [https://www.vnmue.edu.ua/](https://www.vnmue.edu.ua/Department%20of%20Internal%20Medicine%20№1%20-%20News) Department of Internal Medicine №1 / News).

**Feedback from teacher** is via messengers (Viber, Telegram, WhatsApp) or e-mail (at the teacher's choice) during working hours.

**8. Educational resources** Educational and methodological support of the discipline is published on the website of the department. Route for obtaining materials [https://www.vnmue.edu.ua/](https://www.vnmue.edu.ua/Department%20of%20Internal%20Medicine%20№1%20-%20Student) Department of Internal Medicine №1 / Student.

**Recommended reading:**

1. Allied joint doctrine for medical support / NATO standard ASP. -4.10//With UK National elements 2015. –Edition B, Version 1.
2. National Council on Radiation Protection and Measurements (NCRP). 2005.
3. Gusev IA , Guskova AK , Mettler FA Jr, editors. Medical Management of Radiation Accidents, 2 nd ed., New York : CRC Press, Inc.; 2001.
4. Jeanne S Pae. Radiation Emergencies, 2013.
5. Kearney, L., Francis, E. C., & Clover, A. J. (2018). New technologies in global burn care-a review of recent advances. *International journal of burns and trauma*, 8(4), 77.
6. Frostbite: a practical approach to hospital management. Handford C, Buxton P, Russell K, Imray CE, McIntosh SE, Freer L, Cochran A, Imray CH. *Extrem Physiol Med*. 2014; 3:7. Epub 2014 Apr 22.

### Electronic resources:

1. National Pirogov Memorial Medical University: <http://vnmu.edu.ua>
2. Library of Vinnytsia National Medical University. E. Pirogov: <http://library.vnmu.edu.ua>
3. Testing Center <https://www.testcentr.org.ua/uk/>
4. Ministry of Health of Ukraine <https://moz.gov.ua/>
5. Public Health Center of the Ministry of Health of Ukraine <https://phc.org.ua/kontrol-zakhvoryuvan>
6. World Health Organization <https://www.who.int/ru/home#>
7. MEDCRAM - Medical Lectures explained clearly  
<https://www.youtube.com/user/MEDCRAMvideos>  
<https://pubmed.ncbi.nlm.nih.gov/>
8. [https://www.dec.gov.ua/wp-content/uploads/2019/11/2016\\_89\\_ykpm11.pdfVTS](https://www.dec.gov.ua/wp-content/uploads/2019/11/2016_89_ykpm11.pdfVTS)

**9. The timetable and distribution of groups** with assigned teachers are published on the web page of the department ((<https://www.vnmu.edu.ua> / department of Internal Medicine №1 / student).

**10. Questions to the intermediate and final semester control (credit)** of the discipline are published on the web page of the department (<https://www.vnmu.edu.ua> / Department of internal Medicine №1 / student).

The syllabus on discipline "Military therapy" discussed and approved at the meeting of the Department of Internal Medicine №1 (record №1, from "30" August 2024)

Responsible for the academic  
Discipline

  
(signature)

Ass-prof., Ph.D. Olena SAVYTSKA

Head of the department

  
(signature)

Prof. Mykola STANISLAVCHUK