

**MINISTRY DEFENCE OF UKRAINE  
Military Academy (Odesa)**

**EDUCATIONAL PROGRAMME OF THE  
PROFESSIONAL MILITARY EDUCATION COURSE**

**BASIC TACTICAL LEVEL COURSE L-1A AND  
PROFESSIONAL TACTICAL LEVEL COURSE  
OF LOGISTICS FORCES (MATERIAL SUPPORT), L-1B (MS)**

**according to the military occupational specialty** 702300 "Organisation of the material support of troops (forces), operation and repair of technical means of the material support service"

**APPROVED**

by the Academic Council of the Military Academy (Odesa)

(the minutes of " \_\_\_\_ " \_\_\_\_ 20\_\_ № \_\_\_\_)

Chairman of the Academic Council

Military Academy (Odesa)

Major General

**Andrii KOVALCHUK**

Put into operation

by the order of the Commandant of the Military Academy (Odesa)

" \_\_\_\_ " \_\_\_\_ 20\_\_ year № \_\_\_\_

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**APPROVAL SHEET**  
**OF THE EDUCATION PROGRAMME**  
**OF THE PROFESSIONAL MILITARY EDUCATION COURSE**  
**BASIC TACTICAL COURSE L-1A AND**  
**PROFESSIONAL TACTICAL LEVEL COURSE**  
**OF LOGISTICS FORCES (MATERIAL SUPPORT), L-1B (MS)**

**according to the military occupational specialty**    702300    "Organisation of the material support of troops (forces), operation and repair of technical means of the material support service "

APPROVED

Director of the Department of military education and science of the Ministry of Defence of Ukraine  
Doctor of Technical Sciences,  
Professor

Volodymyr MIRNENKO

" \_\_\_\_\_ " \_\_\_\_\_ 20\_\_ p.

APPROVED

Acting Head of the Central Directorate of Military Education and Science of the General Staff of the Armed Forces of Ukraine  
Colonel

Yevhen LEVISHCHENKO

" \_\_\_\_\_ " \_\_\_\_\_ 20\_\_ .

APPROVED

Acting Commander of the Logistics Forces  
The Armed Forces of Ukraine  
Colonel

Sergey ARTAMOSCHENKO

" \_\_\_\_\_ " \_\_\_\_\_ 20\_\_ p.

**Developed and introduced**

**Chairman of the Working group**  
Chairman of the Training Department of the Logistics Forces Command  
The Armed Forces of Ukraine  
Colonel

Viktor KOSTRITSA

" \_\_\_\_\_ " \_\_\_\_\_ 20\_\_ p.

## PREFACE

**Developed by the working group:** Command of the Logistics Forces of the Armed Forces of Ukraine and the Military Academy (Odesa).

Order of the Command of the Logistics Forces of the Armed Forces of Ukraine " \_\_\_\_ " \_\_\_\_\_ 2025 No. \_\_\_\_.

**Chairman of the working group:**

Viktor KOSTRYTSIA - Chairman of the Training Department of the Logistics Forces Command of the Armed Forces of Ukraine .

**Members of the working group:**

Dmytro BOBROV - Deputy Head of the Central Material Support Department of the Logistics Forces Command of the Armed Forces of Ukraine.

Viktor OLEHNOVYCH - Head of the Department of Food and Material Support of the Logistics Training Faculty of the Military Academy (Odesa);

Ruslan BULGAKOV -, PhD, Associate Professor, Head of the Department of Troops (Forces) Supply, Faculty of Logistics Training, Military Academy (Odesa);

Oleksandr VERKHOVODOV - Deputy Head of the Department of Food and Material Support of the Faculty of Logistics Training of the Military Academy (Odesa);

Serhii BABIUK - PhD, Professor of the Department of Food and Material Support of the Faculty of Logistics Training of the Military Academy (Odesa);

Nadiia BURDEYNA - PhD, Associate Professor, Associate Professor of the Department of Food and Material Support of the Faculty of Logistics Training of the Military Academy (Odesa);

Liubov YAKYMINSKA - PhD, Associate Professor, Teacher at the Department of Food and Material Support, Faculty of Logistics Training, Military Academy (Odesa);

Oleksandr ZDIR - Senior Teacher at the Department of Food and Material Support of the Faculty of Logistics Training of the Military Academy (Odesa).

**ACCOUNTED FOR:**

1. Professional standard of a tactical level officer of the Armed Forces of Ukraine.

2. Educational programme of the professional military education course "Basic course of tactical level L-1A", EP 7-00(341)345.61.

3. Comments and suggestions from internal and external stakeholders.

4. Proposals from students and academic staff of the Military Academy (Odesa).

5. Combat operations experience.

**1. PROFILE OF THE EDUCATIONAL PROGRAMME  
OF THE PROFESSIONAL MILITARY EDUCATION COURSE  
"BASIC TACTICAL COURSE L-1A AND  
PROFESSIONAL COURSE AT THE TACTICAL LEVEL  
OF LOGISTICS FORCES (MATERIAL SUPPORT), L-1V (MS)"**

<b>1 - General information</b>	
<b>Full name of the higher education institution (HMEI, MTU HEI)</b>	Military Academy (Odesa)
<b>Name of the document on completion and scope of the educational programme of the professional military education course</b>	Certificate of completion of the professional military education course "Basic course of tactical level L-1A and tactical level professional course of Logistics Forces (material support), L-1B (MS), MOS 702300". Scope of the educational programme: 40 ECTS credits.
<b>Background.</b>	Possession of a higher education degree not lower than a bachelor's degree, fitness for military service in the officer's position.
<b>Language(s) of presentation</b>	Ukrainian.
<b>Validity of the educational programme of the professional military education course</b>	For the period of martial law.
<b>2 - Objectives of the educational programme</b>	
Acquisition of military professional and military specialised competences for service as tactical level officers in units of the Armed Forces of Ukraine.	
<b>3 - Characteristics of the educational programme</b>	
<b>Subject area</b>	Field of knowledge: "25 Military sciences, national security, state border security". Specialty: "254 Troops (Forces) Support" Specialisation: "Material Support for troops (forces)".
<b>The main focus of the educational programme of the professional military education course</b>	Professional military education for military service in typical positions defined in the professional standard for tactical level officers under MOS 702300.
<b>Features of the programme</b>	Module 1: Basic Tactical Level Course, L-1A is mandatory for the following category of persons involved in the course: servicemen and women called up for military service during mobilisation who are currently undergoing or have already completed the BTC, servicemen and women who are performing military service under a contract in military units but do not have combat experience; civilian citizens of Ukraine who have not previously performed military service and have no combat experience. Module 2. The Logistics Forces Tactical Level Course (Logistics), L-1B (MS) is applicable to all categories of individuals who have completed the Basic Tactical Level Course, L-1A. The educational programme was developed taking into account the educational programme of the basic course of the tactical level L-1A, approved by the Chief of the General Staff of the Armed Forces of Ukraine on 29.06.2024 No. 97672 / C,

	and the actual experience of combat operations gained during the anti-terrorist operation, the joint forces operation and repulsion of the full-scale invasion of Russia into the territory of Ukraine.
<b>4 - Opportunities for graduates to find employment and further education</b>	
<b>Employability</b>	Primary positions of junior officers as defined in the professional standard for tactical level officers.
<b>Further education</b>	Training under the educational programme of the professional military education course "Command Course of the Tactical Level of the Logistics Forces L-1C (LZ)".
<b>5 - Teaching and assessment</b>	
<b>Teaching and learning</b>	The main types of classes used to teach the components of the educational programme are: lectures; seminars, group sessions, practical sessions, group exercises; tactical (tactical-drill, tactical-special) exercises, independent work, including at the field training base.
<b>Assessment</b>	<p>Ongoing supervision during classes, working on practical tasks and standards.</p> <p>Intermediate control of the result of mastering the disciplines of the basic course of the tactical level L-1A.</p> <p>Final control in the form of an exam or test in each discipline.</p> <p>Assessment of the learning outcomes of course participants includes the full range of control measures provided by the programme of academic disciplines and is carried out on a 100-point scale, ECTS scale and national scale.</p> <p>The result of the test on the training material can be assessed on a two-tier scale: "passed" or "failed".</p>
<b>6 - Programme competences</b>	
<b>Military and professional competences (MPC)</b>	<p><b>MPC-1.</b> The ability to perform official duties in good faith and honesty in accordance with the requirements of the Statutes of the Armed Forces of Ukraine and other regulatory legal acts governing official activities, and to demand that subordinates comply with and fulfil them.</p> <p><b>MPC-2.</b> The ability to plan, organise combat and manage a unit in the main types of combat (tactical actions).</p> <p><b>MPC-3.</b> Ability to apply in practice the basic provisions of the theory of management and decision-making, algorithms for making managerial decisions, principles and procedures for effective management of the unit (including NATO standards); conduct historical and retrospective analysis.</p> <p><b>MPC-4.</b> The ability to analyse and understand the mission; lead personnel to achieve it, demonstrating values, character traits and mindset based on examples of the Warrior ethos and outstanding military leadership.</p> <p><b>MPC-5.</b> The ability to improve professional, methodological and physical skills; to personally conduct combat training classes with personnel (unit); to work with secret documents, store weapons and ammunition, ensure compliance with security measures during classes; to maintain the unit's constant readiness to perform assigned tasks in peacetime and wartime.</p> <p><b>MPC-6.</b> Ability to organise CBRN protection in the unit; use personal protective equipment and overcome contaminated</p>

	<p>areas in various conditions of the situation in the course of performing assigned tasks.</p> <p><b>MPC-7.</b> Ability to determine the tactical properties of the terrain when conducting combat operations in various conditions; work with topographic maps and photographic documents; navigate the terrain with a map, without a map and with the help of navigation devices.</p> <p><b>MPC-8.</b> Ability to perform engineering support tasks in various types of combat.</p> <p><b>MPC-9.</b> Ability to organise and maintain communication in the unit using standard means of communication.</p> <p><b>MPC-10.</b> The ability to perform professional activities in conditions of prolonged, diverse physical exertion and mental stress; to organise the training of servicemen to ensure their physical readiness to perform assigned tasks; to organise the performance of tactical medicine tasks.</p> <p><b>MPC-11.</b> The ability to prepare the unit's standard weapons for combat use; effectively use the combat and technical capabilities of weapons (weapons) during combat (combat operations), conducting all types of training with subordinate personnel; the ability to personally master the techniques and methods of accurate fire from standard weapons (weapons) at targets that appear and move, day and night; the ability to control the fire of subordinate units (firearms) during combat missions.</p> <p><b>MPC-12.</b> Ability to apply disciplinary practice in relation to subordinate personnel; manage a unit in compliance with international humanitarian law.</p>
<p><b>Military-specific competences (MSC)</b></p>	<p><b>MSC 1.</b> Ability to organise logistical support of units (units), including provision of weapons, military and special equipment, material and technical means, transport and engineering infrastructure works and services.</p> <p><b>MSC 2.</b> Ability to apply knowledge of military art, organisation of modern general military combat (actions) in different conditions of professional activity.</p> <p><b>MSC 3.</b> The ability to plan, organise and conduct the main types of combat (military operations), clearly define combat missions for subordinate and attached units (firearms), and navigate in difficult combat conditions.</p> <p><b>MSC 4.</b> Ability to keep records, write-offs and reports of material and technical means of the material support service.</p> <p><b>MSC 5.</b> The ability to perform the duties of the head of the military unit's material service, to make timely decisions on the provision of units with material resources of the service, organisation of their storage and movement in stationary and field conditions in peacetime and wartime.</p> <p><b>MSC 6.</b> The ability to provide the personnel of military units with the necessary individual issue items and equipment for the timely performance of assigned tasks.</p> <p><b>MSC 7.</b> Ability to organise the work and ensure the correct operation of technical means of the material support service, their maintenance and repair, and preservation in stationary and field conditions in peacetime and wartime.</p> <p><b>MSC 8.</b> Ability to perform the duties of a logistics</p>

	officer (in logistics services).
<b>7 - Programme learning outcomes</b>	
<b>Professional training</b>	<p><b>LOmpt 1.</b> Apply the requirements of the Statutes of the Armed Forces of Ukraine in the organisation of service activities in the unit, internal and guard service, maintaining military discipline and ensuring the unit's coherence.</p> <p><b>LOmpt -2.</b> To prepare the unit for combat (tactical actions), to manage the actions of the unit during combat (tactical actions).</p> <p><b>LOmpt -3.</b> To know and understand the principles and procedures for managing a unit according to NATO standards and be able to use them to achieve service and combat objectives; to make informed decisions on the actions of the unit in a combat situation using the principles and procedures of NATO standards; to be able to conduct historical and retrospective analysis of actions.</p> <p><b>LOmpt -4.</b> To know and understand the peculiarities of the officer's profession, the basics of military leadership, values, character traits and types of thinking of outstanding military leaders on the examples of their military professional activities and the ethos of the Warrior.</p> <p><b>LOmpt - 5.</b> Know the methods of improving their professional and methodological skills, personally conduct combat training classes with personnel (unit); be able to work with secret documents; securely store weapons and ammunition, unit property, manage the unit's company economy; ensure compliance with safety measures during classes, firing (flights, campaigns), exercises (training), readiness checks.</p> <p><b>LOmpt -6.</b> Organise CBR protection in the unit (use personal protective equipment and overcome contaminated areas) in various conditions of the situation in the course of performing assigned tasks.</p> <p><b>LOmpt 7.</b> Determine the tactical properties of the terrain when conducting combat operations in various conditions; work with topographic maps and photographic documents; navigate unfamiliar terrain with a map, without a map and with the help of navigation devices, day and night, in any weather and season.</p> <p><b>LOmpt -8.</b> Formulate instructions for engineering support to the platoon in various types of combat, using an understanding of basic engineering support measures; carry out practical equipment and camouflage of platoon support elements; organise measures to remove and clear single mines and minefields using standard equipment.</p> <p><b>LOmpt 9.</b> To use standard communications equipment in service with the unit to organise communications; to organise measures to protect against enemy electronic warfare during preparation and conduct of combat.</p> <p><b>LOmpt.</b> Apply knowledge to meet the needs of the serviceman during actions in autonomous conditions at the expense of natural resources; protection from the effects of physical and geographical conditions using natural and improvised means; be able to organise the implementation of tactical medicine tasks.</p> <p><b>LOmpt 11.</b> Apply knowledge of the materiel part of small arms, rules of fire, operation and maintenance of small arms, methods of organising and conducting classes to train unit personnel, prepare weapons for firing in marching (combat) handling and in the performance of combat missions; apply knowledge and skills in fire control of the unit in combat.</p> <p><b>LOmpt -12.</b> Understand the procedure for military service,</p>

	<p>bringing servicemen to criminal, administrative and material responsibility; social and legal protection of servicemen and their families; know the procedure for conducting an internal investigation in the Armed Forces of Ukraine; apply knowledge of international humanitarian law.</p> <p><b>LOmst 1.</b> Determine the technical characteristics and operating procedures for regular weapons and equipment, the requirements of guidelines for the storage and operation of weapons and equipment, the rules for the preparation and maintenance of technical documentation of the unit, and be able to organise logistical support for the unit.</p> <p><b>LOmst -2.</b> To know and understand the general principles of military art, modern armed struggle, and general combat, to be able to effectively manage a unit in the main types of combat at the battalion level.</p> <p><b>LOmst -3.</b> To effectively use combat capabilities, various forms and methods of tactics of units in the main types of combat (tactical actions).</p> <p><b>LOmst -4.</b> To know and understand the procedure for organising the accounting, write-off and reporting of material and technical means of the material support service.</p> <p><b>LOmst -5.</b> To know and understand the procedure for organising the work of the material support service of military units (subunits), interaction between the services of the unit, organisation of material support for personnel in peacetime and in combat conditions, the basics and rules of provision, equipment and property, the procedure and rules for keeping records of material resources of the material support service, to conduct systematic control of the economic activities of the material support service, to organise washing of personnel in stationary and field conditions, to organise the provision of living conditions when personnel are accommodated in</p> <p><b>LOmst -6.</b> Understand the procedure for assessing the consumer value of goods, their classification and standardisation, determine the range of goods and their structure, the factors that determine the quality of goods, methods of its control and evaluation, determine storage conditions. To organise the provision of the military unit with material and technical means of the material support service in peacetime and wartime. Receive, store, receive and issue material means of service, organise the fitting of military uniforms, organise the repair of individual issue items in various conditions.</p> <p><b>LOmst -7.</b> To know and understand the basic provisions for the operation of technical means of thematerial support service during the relevant technological process, transportation, storage in the field and stationary conditions. Organise the provision of technical means of the military unit'smaterial support service Service, receive, store, maintain, and account for technical means of the service, organise and conduct classes with junior specialists of the material support service</p> <p><b>LOmst 8.</b> To know and understand the procedure for organising the work of logistics officers (by logistics services), to apply the acquired knowledge in the performance of duties.</p>
<b>8 - Resource support for programme implementation</b>	
<b>Human resources support</b>	<p>Academic staff involved in the educational programme are full-time employees of the Military Academy, some of them have academic degrees and academic titles.</p> <p>The practice-oriented nature of the educational programme involves the wide participation of practitioners who are relevant to the programme, which strengthens the synergistic relationship between theoretical and practical training.</p>

	<p>The head and members of the working group on the development of the programme, as well as the teaching staff that ensures the implementation of the educational programme meet the requirements set by the Ministry of Defence of Ukraine.</p>
<p><b>Material and Technical Support</b></p>	<p>The material and technical base of the Military Academy (Odesa) and the Centre for Supporting the Educational Process of the Military Academy is used to implement the competencies and learning outcomes specified in the educational programme. The material and technical support meets the requirements for the provision of educational services and is sufficient to ensure the quality of the educational process, in particular: classrooms; computer classes (laboratories); specialised laboratories; gyms, sports grounds; library, reading room; multimedia equipment; premises for research and teaching staff; barracks premises; dining room, etc.</p>
<p><b>Information and Educational-Methodological Support</b></p>	<p>Teaching and learning materials are developed in accordance with the current regulatory and legislative documents of the Ministry of Education and Science of Ukraine and orders of the Ministry of Defence of Ukraine, and consist of the following materials:</p> <ul style="list-style-type: none"> <li>instructional and methodological materials for practical classes;</li> <li>teaching and learning materials for all types of classes;</li> <li>methodological guidelines for organising independent work;</li> <li>diagnostic tools.</li> </ul> <p>The library fund is used in teaching, including teaching materials, educational and methodological developments of teaching staff.</p> <p>The programme is implemented using the virtual learning environment of the Military Academy (Odesa), author's developments, textbooks and manuals, and other teaching and learning materials.</p> <p>The official website of the Academy (<a href="http://vaodesa.mil.gov.ua/">http://vaodesa.mil.gov.ua/</a>) contains information on educational, scientific and educational activities, structural units, admission rules, contacts, and users have the opportunity to use all available library resources. There is technological and logistical support for the educational process. The system of bringing combat experience gained during the Russian-Ukrainian war is organised.</p>

## 2. THE LIST OF COMPONENTS OF THE EDUCATIONAL PROGRAMME OF THE PROFESSIONAL MILITARY EDUCATION COURSE AND THE CORRESPONDENCE OF PROGRAMME COMPETENCES AND LEARNING OUTCOMES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAMME

### 2.1. List of components of the EP

Code. n/a.	Components of the educational programme (academic disciplines/modules)	Number of credits	Form of final control
Module 1: Basic tactical course, L-1A			
MP 1.1	History of Wars and Military Art	0,5	Credit
MP 1.2	Fundamentals of Military Leadership	1	Credit
MP 1.3	General tactics	5	Examination
MP 1.4	Fundamentals of Military Management (including Troop Leading Procedures)	2	Credit
MP 1.5	Daily Operations Unit Management	1	Credit
MP 1.6	Radiation, Chemical, Biological Protection of Units (including ecology)	0,5	Credit
MP 1.7	Military Topography	1	Credit
MP 1.8	Engineering Training	1	Credit
MP 1.9	Organisation of Military Communications	0,5	Credit
MP 1.10	Combat System for Survival of Soldiers (including tactical medicine)	2	Credit
MP 1.11	Statutes of the Armed Forces of Ukraine and Their Practical Application (including drill training)	0,5	Credit
MP 1.12	Small Arms and Shooting Training	3	Credit
MP 1.13	Fundamentals of Military Law and International Humanitarian Law	0,5	Credit
MP 1.14	Reconnaissance Training	0,5	Credit
MP 1.15	Fundamentals of Organising and Conducting Warfare in the Electromagnetic Environment and Cyberspace	0,5	Credit
MP 1.16	Basics of Using Tactical-Grade Unmanned Systems	0,5	Credit
<b>Total per module</b>		<b>20</b>	
Module 2. Tactical level professional course Logistics Forces (cloths upply), L-1B (CS)			
MS 1	Combat Use of Mechanised Units	1,3	Credit
MS 2	Logistical Support for Combat Operations	4,3	Examination
MS 3	Material Support for Military Personnel	2,4	Credit
MS 4	Organisation of Material Support	5,4	Examination
MS 5	Bath and Laundry Services	3,3	Examination
MS 6	Technical Means of the Material Support Service	3,3	Credit
<b>Total per module</b>		<b>20,0</b>	
<b>Total under the loan programme</b>		<b>40,0</b>	

## 2.2 Correspondence of programme competences to the components of the educational programme

	MP 1	MP 2	MP 3	MP 4	MP 5	MP 6	MP 7	MP 8	MP 9	MP 10	MP 11	MP 12	MP 13	MP 14	MP 15	MP 16	MS 1	MS 2	MS 3	MS 4	MS 5	MS 6
MPC-1											+											
MPC-2			+	+										+		+						
MPC-3	+			+																		
MPC-4		+																				
MPC-5					+																	
MPC-6						+																
MPC-7							+															
MPC-8								+														
MPC-9									+						+							
MPC-10										+												
MPC-11												+										
MPC-12													+									
MSC-1																	+	+	+	+		
MSC-2																	+	+				
MSC-3																	+	+				
MSC-4																			+	+		
MSC-5																			+	+	+	+
MSC-6																			+	+	+	+
MSC-7																			+	+		
MSC-8																		+	+	+		

### 2.3 Correspondence of learning outcomes to the components of the educational programme

	MP 1	MP 2	MP 3	MP 4	MP 5	MP 6	MP 7	MP 8	MP 9	MP 10	MP 11	MP 12	MP 13	MP 14	MP 15	MP 16	MS 1	MS 2	MS 3	MS 4	MS 5	MS 6
LOmpt 1											+											
LOmpt 2			+	+										+		+						
LOmpt 3	+			+																		
LOmpt 4		+																				
LOmpt 5					+																	
LOmpt 6						+																
LOmpt 7							+															
LOmpt 8								+														
LOmpt 9									+						+							
LOmpt 10										+												
LOmpt 11												+										
LOmpt 12													+									
LOmst-1																	+	+	+	+		
LOmst -2																	+	+				
LOmst 3																	+	+				
LOmst -4																			+	+	+	+
LOmst -5																			+	+	+	+
LOmst -6																			+	+	+	+
LOmst -7																			+	+	+	+
LOmst -8																			+	+		

### 3. DISTRIBUTION OF STUDY PROGRAMME COMPONENTS BY YEARSTUDING AND SEMESTERS OF STUDY

No. s/n	Academic discipline code	Name of the discipline	Final reporting (breakdown by semester)		Number of ECTS credits	Total number of hours	Audit hours (under the guidance of the SPP, instructors)				Control measure	Independent work	Distribution of classroom hours					
			examinations	credits			in total	including					Months					
								lectures	group, seminars	practical and other			1	2	3	4	5	6
			Number of weeks in a month						4	4			4	4	4	4		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>Module 1: Basic tactical course, L-1A</b>																		
1	MP1.1	History of Wars and Military Art	-	1	0,5	15	10	6	4	-	2	3	-	-	-	-	-	-
2	MP1.2	Fundamentals of Military Leadership	-	1	1	30	24	-	22	2	2	4	-	-	-	-	-	-
3	MP1.3	General tactics	1	-	5	150	94	8	34	52	6	50	-	-	-	-	-	-
4	MP1.4	Fundamentals of Military Management (including Troop Leading Procedures)	-	1	2	60	56	30	14	12	2	2	-	-	-	-	-	-
5	MP 1.5	Daily Operations Unit Management	-	1	1	30	28	14	8	6	2	-	-	-	-	-	-	-
6	MP 1.6	Radiation, Chemical, Biological Protection of Units (including ecology)	-	1	0,5	15	12	4	2	6	2	1	-	-	-	-	-	-
7	MP 1.7	Military Topography	-	1	1	30	18	-	12	6	2	10	-	-	-	-	-	-
8	MP 1.8	Engineering Training	-	1	1	30	18	2	12	4	2	10	-	-	-	-	-	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
9	MP 1.9	Organisation of Military Communications	-	1	0,5	15	10	-	6	4	2	3	-	-	-	-	-	-
10	MP 1.10	Combat system of warrior survival (including tactical medicine)	-	1	2	60	38	3	17	18	2	20	-	-	-	-	-	-
11	MP 1.11	Statutes of the Armed Forces of Ukraine and Their Practical Application (including drill training)	-	1	0,5	15	12	6	-	6	2	1	-	-	-	-	-	-
12	MP 1.12	Small Arms and Shooting Training	-	1	3	90	64	2	26	36	4	22	-	-	-	-	-	-
13	MP 1.13	Fundamentals of Military Law and International Humanitarian Law	-	1	0,5	15	10	4	4	2	2	3	-	-	-	-	-	-
14	MP 1.14	Intelligence training	-	1	0,5	15	8	2	6	-	2	5	-	-	-	-	-	-
15	MP 1.15	Fundamentals of Organising and Conducting Warfare in the Electromagnetic Environment and Cyberspace	-	1	0,5	15	12	6	4	2	2	1	-	-	-	-	-	-
16	MP 1.16	Basics of Using Tactical-Grade Unmanned Systems	-	1	0,5	15	10	4	4	2	2	3	-	-	-	-	-	-
<b>Total per module</b>			<b>1</b>	<b>15</b>	<b>20,0</b>	<b>600</b>	<b>424</b>	<b>91</b>	<b>175</b>	<b>158</b>	<b>38</b>	<b>138</b>	-	-	-	-	-	-
<b>Module 2. Tactical level professional course Logistics Forces (material support), L-1B (RZ)</b>																		
17	MS1	Combat Use of Mechanised Units	-	1	1,3	40	38	2	18	18	2	-	-	-	-	-	-	-
18	MS 2	Logistical Support for Combat Operations	1	-	4,3	130	118	6	96	16	6	6	-	-	-	-	-	-
19	MS 3	Material Support for Military Personnel	-	1	2,4	70	48	10	12	26	4	18	-	-	-	-	-	-
20	MS 4	Organisation of Material Support	1	-	5,4	160	114	20	40	54	6	40	-	-	-	-	-	-
21	MS 5	Bath and Laundry Services	1	-	3,3	100	74	18	28	28	6	20	-	-	-	-	-	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
22	MS 6	Technical Means of the Material Support Service	-	1	3,3	100	62	14	12	36	6	32	-	-	-	-	-	-
<b>Total per module</b>			<b>3</b>	<b>3</b>	<b>20,0</b>	<b>600</b>	<b>454</b>	<b>70</b>	<b>206</b>	<b>178</b>	<b>30</b>	<b>116</b>	-	-	-	-	-	-
<b>Total number of</b>			<b>4</b>	<b>18</b>	<b>40,0</b>	<b>1200</b>	<b>878</b>	<b>161</b>	<b>381</b>	<b>336</b>	<b>68</b>	<b>254</b>	-	-	-	-	-	-
Number of hours per week													-	-	-	-	-	-
Number of exams:													-	-	-	-	-	-
Number of credits:													-	-	-	-	-	-

## 4. PROGRAMME OF THE EDUCATIONAL PROGRAMME COMPONENTS

### 4.1. MP 1.1 "History of Wars and Military Art"

#### **General objective of the educational programme component**

Training of military personnel who have a sufficient level of understanding of the forms and methods of using troops in major battles, wars and armed conflicts; the role of man and technology in the development of methods of armed struggle.

As a result of studying the discipline, students (trainees) should:

*to know:*

the most important wars and military conflicts in historical retrospect;  
characteristic features and peculiarities of the development of martial art in the wars of the past;  
interdependence of tactics on the development of weapons and military equipment;  
perspective directions of development of the armed struggle of our time;

*be able to:*

identify the characteristics of armed confrontations of our time;  
make informed decisions, predicting possible developments in the course of hostilities;  
conduct retrospective analysis, summarise and draw conclusions when making decisions and setting tasks.

#### **Organisational and methodological guidelines**

The discipline is designed to teach to understand the present through the analysis of the past, to master the basics of historical research methodology, to teach future military specialists a system of historical knowledge and skills, and the ability to think creatively.

The material of the discipline will enrich the knowledge of students with historical examples of the practical application of the branches of the Army in combat operations, focusing on the main forms of armed struggle, and will form the basis for independent forecasting of their development in the future.

The subject matter of the training topics and the logical sequence of their gradual study focuses on modern wars and conflicts (the second half of the twentieth and early twenty-first century) with a brief excursion into ancient and modern history. Emphasis is placed on the practice of implementing the acquired knowledge in the professional activities of the officer.

The educational material provided for studying during independent work is submitted for final control together with the educational material that is processed in class under the guidance of a scientific and pedagogical employee.

During all forms of training, individual, group and frontal methods of knowledge control and active learning methods are used. The current control is carried out in the form of an oral survey or written express control during the training sessions.

For all types of classes, we use classrooms, computer labs, multimedia equipment, visual aids, and writing materials.

**Information and methodological support:**

1. White Book of the Anti-Terrorist Operation in the East of Ukraine (2014-2016) / Edited by I. Rusnak - Kyiv: NUOU, 2017.
2. Warfare in special conditions (historical examples): Study guide / P. Tkachuk, O. Kutska, C. Rogovskyi et al. Lviv: NASV, 2020.
3. Military art in local wars and armed conflicts of the 50s-80s of the twentieth century: a textbook / I. Furman, S. Sydorov, R. Pyliavets et al.
4. Military art in local wars and armed conflicts of the 90s of the twentieth and early twenty-first centuries: a textbook / I. Furman, S. Sydorov, R. Pyliavets et al.
5. Military Historical Description of the Russian-Ukrainian War (monthly publication since March 2022) / MoD, General Staff of the Armed Forces of Ukraine, Central Military Intelligence Department of the Armed Forces of Ukraine.

### Titles of topics and study time distribution by type of class

№ s/n	Types of training sessions and tests events	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1. Introduction to military history. Wars and the development of military art from the Ancient World to the end of World War II.</b>					
1	Lecture	2	2		<b>Lesson 1. Factors that influenced the evolution of martial arts.</b> 1. The place of war history and military art in the system of military science knowledge. 2. Development of means of armed struggle from the Ancient World to the end of the Second World War. 3. Wars and the development of military art before the First World War.
2	Group session	3	2	1	<b>Lesson 2. The development of military art in the First and Second World Wars.</b> 1. Causes, main battles and results of the First World War (1914-1918). 2. Causes, main battles and results of the Second World War (1939-1945). 3. Weapons and equipment that influenced the course of hostilities in the two world wars. <i>Independent work:</i> The development of military art of the leading countries of the world in the interwar period and in the Second World War. 1. Development of military art of the leading countries of the world in the interwar period. 2. The military and political situation in the world on the eve of the Second World War. 3. The development of the military art of Germany and the USSR in the Second World War.
<b>Total for the topic</b>		<b>5</b>	<b>4</b>	<b>1</b>	

<b>Topic 2. The development of martial arts in wars and armed conflicts of the second half of the twentieth century</b>					
4	Lecture	2	2	<p><b>Lesson 1. Wars and armed conflicts of the second half of the twentieth century.</b></p> <p>1. Development of new means of armed struggle and armed forces of the leading countries of the world after the Second World War.</p> <p>2. The development of military art of the leading countries of the world in local wars of the second half of the twentieth century.</p> <p>3. Causes, main operations and results of the Russian-Chechen wars.</p>	
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 3. The art of war and characteristics of wars of the early twenty-first century.</b>					
5	Lecture	3	2	1	<p><b>Lesson 1. The fight against terrorism on the example of the wars of the early twenty-first century.</b></p> <p>1. The development of the military art of the leading countries of the world in local wars of the early twenty-first century.</p> <p>2. Causes, course and results of wars in the post-Soviet space in the 21st century.</p> <p>3. Hybrid warfare: origin and development.</p> <p><i>Independent work:</i> Development of new means of armed struggle.</p> <p>1. The role and importance of precision weapons in modern warfare.</p> <p>2. Features of the use of robotics in modern wars.</p>
<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Topic 4. Formation and development of the Armed Forces of Ukraine.</b>					
7	Group session	3	2	1	<p><b>Lesson 1. Military history of Ukraine from Kyivan Rus to the present day.</b></p> <p>1. The military art of the princely army of the times of Kyivan Rus and the Ukrainian Cossack army.</p> <p>2. Ukrainian armed formations during the First and Second World Wars.</p> <p>3. Causes, course and development of military art during the Russian-Ukrainian war (since 2014).</p> <p><i>Independent work:</i> Examples of heroic actions of the Ukrainian defence forces.</p> <p>1. Western partners' military assistance to Ukraine during its confrontation with Russia after the full-scale invasion.</p> <p>2. Examples of heroic actions of the Ukrainian Defence Forces.</p>
<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>		<b>15</b>	<b>12</b>	<b>3</b>	

## 4.2. MP 1.2 "Fundamentals of Military Leadership"

### **General objective of the educational programme component:**

Providing basic conceptual knowledge of the theory and practice of military leadership, developing cadets' (students') leadership competencies and skills of effective interaction in military organisational structures.

As a result of studying the discipline, students (trainees) should:

*to know:*

- the essence of an officer's professional activity;
- concepts and categories of military leadership;
- the main provisions of the Military Leadership Doctrine;
- common features and differences between management and leadership;
- levels of military leadership and their manifestations in the activities of an officer;
- the essence of the mission, goals and objectives of a military leader;
- leadership values and principles;
- key concepts and structure of the Warrior ethos;
- the Cossack code of honour; officers of the UPR, UPA, and modern officers of the Armed Forces of Ukraine;
- basic requirements for a military leader;
- profile of personal and professional competences of a military leader;
- approaches to assessing and developing a military leader;
- tools for managing the experience of a military leader;

*be able to:*

- apply the acquired knowledge in simulated situations, everyday and combat activities;
- evaluate models of military leadership;
- identify the signs of counterproductive leadership;
- implement the values of a military leader;
- to develop the cognitive and volitional properties of a military leader;
- develop the emotional intelligence and communication competence of a military leader;
- to form an individual trajectory of development and career management of a military leader;
- manage the experience of a military leader.

### **Organisational and methodological guidelines:**

It is mandatory to systematically consolidate the knowledge and skills acquired in the course of studying the discipline during practical, group classes and independent study.

In the course of studying the discipline, cadets (students) should develop a holistic view of military leadership in the Armed Forces of Ukraine, values, competencies, and worldview of a military leader.

The educational material to be studied during self-study is processed in accordance with the specified time and is submitted for current and final control together with the educational material that is processed in class under the guidance of a scientific and pedagogical employee.

During all forms of classes, active teaching methods, individual, group and frontal methods of knowledge control are used. Current control is carried out in the form of an oral survey or written express control during training sessions, including electronic questionnaires in various forms by the decision of the academic staff - the head of the classes.

For all types of classes, the following facilities are used: classrooms, computer labs, multimedia equipment, visual teaching aids, writing utensils, distance learning platforms, electronic manuals, questionnaires by the decision of the academic staff member - the head of the class.

**Information and methodological support:**

1. Doctrine of Military Leadership in the Armed Forces of Ukraine. OP 1-296: approved by the NGS of the Armed Forces of Ukraine. NGS of the Armed Forces of Ukraine of 22.01.2024.
2. To lead. To fight. To win. Ethos of the Marine Corps of Ukraine / edited by A. Zelinskyi. Kyiv: Ukraine Crisis Media Center with the support of the US Embassy in Ukraine and the NGO "Spirit of America", 2017 edition, 133 p.
3. Zelinsky A. Anatomy of a Warrior: Spirit, Way, Power. Kyiv: Circle of Life, 2023 edition, 215 p.
4. Zelinsky A. Semenovi zori. Lviv: Stryi Lev Publishing House, 2023. 488 c.
5. Pressfield S. Gates of Fire: The Heroic Epic of the Battle of Thermopylae. Kyiv: Nash format, edition 2023.
6. Willink D., Bebin L. Absolute responsibility. Leadership lessons from Navy SEALs. Kyiv: Knigolav, 2020 edition, 400 p.
7. Willink D. Discipline is Freedom. Kyiv: #knigolav, 2022 edition, 256 p.
8. Willink D. Leadership Strategy and Tactics / translated from English by L. Pylaeva. Kyiv: Book Chef, 2021. 368 c.
9. Resilience: Hard-won wisdom for a better life. Kharkiv: Ranok Publishing House, 2021 edition, 432 p.
10. McRaven V. G. Make your bed / translated from English by T. Zavoloko. Kyiv: KI-BOOKS Publishing Group, edition 2020, 128 p.
11. McRaven, W. The Hero's Code. Lessons from a Life Well Lived. Kyiv: KM-Books, edition 2022, 168 p.
12. McRaven, W. Sea Stories. My life in special operations. Kyiv: KM-BOOKS, 2020 edition, 408 p.
13. Army Leadership and The Profession ADP 6-22, July, 2019.
14. Army Leader Transitions Handbook, 2023.
15. Leader Development. FM 6-22, November, 2022.
16. Mission and Command. Command and Control of Armed Forces. ADP 6-0, July, 2019.

## Titles of topics and study time distribution by type of class

№ s/n	Types of training sessions and tests events	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Conceptual foundations of military leadership</b>					
1	Group session	4	2	2	<p><b>Lesson 1: Fundamentals of Military Leadership in the Armed Forces of Ukraine.</b></p> <p>1. Introduction to the discipline. Subject, objectives of the discipline and the procedure for its study.                  2. Officer as a profession.                  3. The essence of military leadership and management.                  4. Model of requirements for a military leader.  <i>Independent work:</i> Founding documents on military leadership.</p> <p>1. Basic requirements of the Doctrine and other founding documents on military leadership.</p>
2	Group session	2	2		<p><b>Lesson 2. Mission, purpose and tasks of a military leader.</b></p> <p>1. Mission and purpose of a military leader.                  2. Tasks of a military leader-officer.                  3. Tasks of a military leader-sergeant.</p>
3	Group session	4	2	2	<p><b>Lesson 3: Principles of military leadership.</b></p> <p>1. Principles of military leadership in the Armed Forces of Ukraine.                  2. Principles of military leadership in the armies of NATO member states.                  3. Leadership by John Maxwell, Jocko Willink and others.  <i>Independent work:</i> Levels of military leadership.</p> <p>1. Tactical level of military leadership.                  2. Operational level of military leadership.                  3. Strategic level of military leadership.</p>

<b>Total for the topic</b>		<b>10</b>	<b>6</b>	<b>4</b>	
<b>Topic 2: Values of a military leader.</b>					
4	Group session	2	2		<b>Lesson 1: Values of a military leader.</b> 1. The essence of the value "Honour". 2. The essence of the Sustainability value. 3. The essence of the value "Professionalism". 4. The essence of the Unity value. 5. Values of a military leader in the armies of NATO member states.
5	Group session	2	2		<b>Lesson 2. Ethos of the Warrior.</b> 1. Key concepts and structure of the Warrior ethos: "Spirit", "Path", "Power". 2. Comparison of the ethos of the Armed Forces of Ukraine: The ethos of the sergeant, Ethos of the Territorial Defence Forces, Ethos of the Marines.
6	Seminar	2	2		<b>Lesson 3: Code of honour for national military leaders.</b> 1. Code of Cossack honour. 2. Code of Honour of Officers of the Ukrainian People's Republic. 3. The Code of Honour of the Officers of the Ukrainian Insurgent Army. 4. The Code of Honour of a Modern Officer of the Armed Forces of Ukraine.
<b>Total for the topic</b>		<b>6</b>	<b>6</b>		
<b>Topic 3. Competences of a military leader (Profile of a military leader)</b>					
7	Group session	2	2		<b>Lesson 1. Model of military leadership development.</b> 1. Value and competence model of a military leader: values, experience, personal and professional competences. 2. Ecosystem of competences of a military leader: personal and professional. 3. Professional (military-specific) competencies of a military leader.
8	Group session	2	2		<b>Lesson 2. Emotional and communication competence of a military leader.</b> 1. Emotional self-management of the military leader (Self-management) and management of the emotional state of subordinates and empathy of the military leader. 2. Establishing trust and mutual respect in the team. 3. Establishing effective communication with the team, providing feedback and constructive criticism.

					4. Crisis communication, conducting complex negotiations.
9	Group session	2	2		<b>Lesson 3: Digital and managerial competence of a military leader.</b> 1. Basic digital skills of a modern military leader. 2. Self-determination (self-actualisation) and self-motivation of a military leader. 3. Motivation and development of personnel. 4. 4. Counterproductive military leadership.
10	Seminar (Roundtable Discussion)	2	2		<b>Lesson 4: Intelligence and thinking of a military leader.</b> 1. Analytical, systematic, critical thinking of a military leader. 2. Innovative (creative, out-of-the-box, unconventional) thinking of the military leader. 3. Examples of unconventional thinking of modern military leaders (domestic and foreign).
<b>Total for the topic</b>		<b>8</b>	<b>8</b>		
<b>Topic 4. Assessment and development of a military leader.</b>					
11	Practical session	2	2		<b>Lesson 1: Assessing a military leader.</b> 1. Assessment of leadership qualities at the tactical level. 2. Assessment of leadership qualities at the operational level. 3. Assessment of leadership qualities at the strategic level. 4. Problematic aspects and promising approaches to assessing military leaders (domestic and foreign experience).
12	Group session	2	2		<b>Lesson 2. Development of military leaders.</b> 1. Formation of an individual trajectory of development of a military leader (career management of a military leader). 2. Managing the experience of a military leader.
<b>Total for the topic</b>		<b>4</b>	<b>4</b>		
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>		<b>30</b>	<b>26</b>	<b>4</b>	

### 4.3. MP 1.3 "General Tactics"

#### **General objective of the educational programme component**

Training of a serviceman who is able to apply the theoretical provisions of general combat, the basics of unit management and the requirements of guidelines for the design of combat graphic documents when planning combat operations; practically perform movement on the battlefield as part of combat groups and manage combat groups in the main types of combat; use a mechanised squad, mechanised platoon in modern conditions of general combat, taking into account the experience of using units in the Russian-Ukrainian war

As a result of studying the discipline, students (trainees) should:

*to know:*

the basics of general combat;

command and control requirements, battle planning procedures based on NATO military command and control procedures;

the procedure for drawing up combat graphic documents;

organisational and staffing structure, tactical and technical characteristics of weapons of mechanised units (squad, platoon);

the role, place and procedure for the use of mechanised units (squad, platoon) in a general combat;

combat capabilities, tactical and technical characteristics of the weapons of the added units and the procedure for their use in combat;

the procedure for managing regular and attached units (battlegroup, squad, platoon) during combat;

peculiarities of organising the location of a mechanised platoon;

peculiarities of performing tasks in sentry protection by units of a mechanised platoon;

peculiarities of marching by mechanised units, actions of marching guard units;

tactics of mechanised units in defensive combat;

peculiarities of preparing and conducting defensive combat;

tactics of mechanised units in offensive combat;

peculiarities of preparing and conducting offensive combat;

*be able to:*

plan the actions of units in accordance with NATO military command and control procedures;

prepare a mechanised unit with reinforcements for combat (tactical actions);

make decisions in a timely manner, set tasks, and achieve their fulfilment;  
prepare combat documents for the platoon;  
use the unit's firepower;  
manage staff and additional units in the course of performing assigned tasks;  
to organise interaction with units of the armed services and special forces in a general battle.

### ***Organisational and methodological guidelines***

The subject of the discipline is the theory and practice of using mechanised units in the main types of general combat (tactical actions).

Group classes are conducted to study the theoretical provisions of the use of mechanised units in the main types of combined arms combat (tactical actions). In the course of group lessons, the cadets (students) learn the educational material by performing individual tactical, graphic (graphical and calculation) tasks.

Group exercises are conducted to train cadets (students) in the work of a unit commander to prepare him/her for actions in various tactical situations and to manage units during the course of actions. During group exercises, communication equipment and topographic maps are used, and during exercises in the field, weapons and military equipment, weapons and imitation are used. To mark the enemy's actions, enemy marking units may be involved and the target situation of the training ground may be used. During group exercises, all cadets (students) act as a unit commander, and the exercise leader acts as a senior commander (company commander).

Tactical formation and tactical exercises are conducted on tactical training fields and other training grounds and designated areas. Other exercises are conducted in classrooms, specialised classrooms, simulators (simulation equipment) and training grounds.

### **Information and methodological support**

1. SBP 3-(01,02,04).58(59) Combat Statute of the Mechanised and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part III (platoon, section, tank): approved by Order of the Commander of the Land Forces of the Armed Forces of Ukraine No. 238 dated 25.05.2016 (as amended in 2017-2023).

2. TP 7-00(194)11.01. Collection of standards for combat training of the Land Forces of the Armed Forces of Ukraine - Kyiv: KP CSR of the Armed Forces of Ukraine, 2021 (as amended in 2023).

3. EP 7-(01,03-05)215.58(59) Album of diagrams of "Methodological materials for the training of tactical groups" (squad, platoon) - Zhytomyr: Centre for Operational Standards and Methods of Training of the Armed Forces of Ukraine, edition 2023.
4. Methodological materials "Preparation of assault groups (squad, platoon) for assault operations." - Kyiv: Main Doctrine and Training Directorate of the General Staff of the Armed Forces of Ukraine, edition 2023.
5. Weapons of the Russian-Ukrainian war of 2022-2023: Handbook-catalogue of the main types of weapons and military equipment used by the opposing sides during the repulsion of the large-scale invasion of Ukraine by the Russian Federation (24.02.2022 - 30.06.2023) / Ministry of Defence of Ukraine, Office of the Commander-in-Chief of the Armed Forces of Ukraine, General Staff of the Armed Forces of Ukraine, Centre for Military History Research of the Armed Forces of Ukraine. - Kyiv: Lira-K Publishing House, 2023. - 243 p.
6. VP 3-00(102).56 Methodological Recommendations "List and Structure of Combat (Formalised) Documents on the COIN to be Practised in the Units of the Armed Forces of Ukraine at the Tactical Level during the Planning and Conduct of Combat (Actions)" (squad, platoon, company, battalion and their levels) - Kyiv: Main Doctrine and Training Directorate of the General Staff of the Armed Forces of Ukraine, edition 2022.
7. Temporary Procedure for Processing Operational (Combat) Documents. Order of the Commander-in-Chief of the Armed Forces of Ukraine of 11.09.2020 No. 140.

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions and tests events	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Fundamentals of Combined Arms Combat.</b>					
1	Lecture	3	2	1	<p><b>Lesson 1: Composition, purpose of the Armed Forces of Ukraine and main types of weapons and military equipment.</b></p> <p>1. The order of passing the discipline.</p> <p>2. Composition and purpose of the branches of the Armed Forces of Ukraine. The use of the Armed Forces of Ukraine and branches of the armed forces in joint military operations.</p> <p>3. Combined arms combat, its components and their characteristics. Principles of combined arms combat.</p> <p><i>Independent work:</i> Composition, purpose of the Armed Forces of Ukraine and the main types of weapons and military equipment.</p> <p>1. Combined arms combat, its components and their characteristics. Tactical and technical characteristics of the main weapons of the Armed Forces of Ukraine.</p> <p>2. Rehearsing tactical manoeuvre schemes by units and fire.</p>

2	Group Session	3	2	1	<p><b>Lesson 2: The procedure for practicing diagrams and combat graphic documents.</b></p> <p>1. Fundamentals of unit management in combat (tactical actions). The work of a squad (platoon, company) commander in preparing combat (actions) (according to the TLP structure).</p> <p>2. The procedure for developing schemes and designing a working map.</p> <p>3. The main tactical symbols and basic abbreviations used in combat graphic documents.</p> <p><i>Independent work:</i> Procedure for developing schemes, combat graphic documents.</p> <p>1. The symbols of the units of the Land Forces of the Armed Forces of Ukraine.</p> <p>2. Symbols of weapons and military equipment of the Land Forces of the Armed Forces of Ukraine.</p>
3	Lecture	3	2	1	<p><b>Lesson 3: Organisational structure, weapons and military equipment of units of a mechanised battalion of the Armed Forces of Ukraine.</b></p> <p>1. Purpose, organisational and staffing structure of units of a mechanised battalion.</p> <p>2. Forms and methods of using units based on the experience of the Russian-Ukrainian war.</p> <p><i>Independent work:</i> Organisational structure, weapons and military equipment of units of a mechanised battalion of the Armed Forces of Ukraine.</p> <p>1. Purpose, capabilities, organisational and staffing structure of logistics, technical and medical support units of a mechanised battalion.</p> <p>2. Developing a scheme of the organisational and staffing structure of a mechanised battalion.</p>
4	Group Session	3	2	1	<p><b>Lesson 4. Tactics of actions of units of a mechanized battalion in the main types of combat (tactical actions).</b></p> <p>1. Structure of a defensive battle of a mechanised battalion and main tactical indicators.</p> <p>2. Construction of an offensive battle of a mechanised battalion and main tactical indicators.</p> <p>3. Construction of the marching order of the MB on the march and the main tactical indicators.</p> <p>Location of the MB on the ground and the main tactical indicators.</p> <p><i>Independent work:</i> Tactics of actions of units of a mechanised battalion in the main types of combat (tactical actions).</p> <p>1. Construction of the marching order of a mechanised battalion on the march and the main tactical indicators. Construction of defensive, offensive battle of a mechanised battalion and main tactical indicators.</p> <p>2. Location of the MB on site and key tactical indicators.</p>

5	Group Session	3	2	1	<p><b>Lesson 5. Actions of soldiers and combat (tactical) groups in combat.</b></p> <p>1. Techniques and methods of action of a soldier and combat (tactical) groups in defensive (offensive) combat.</p> <p>2. Commands, signals given to control the actions of combat (tactical) groups in defensive (offensive) combat.</p> <p><i>Independent work:</i> Actions of a soldier, combat (tactical) groups in combat.</p> <p>1. Training in giving commands to control the actions of combat (tactical) groups in a defensive battle.</p> <p>2. Training in giving commands to control the actions of combat (tactical) groups in offensive combat.</p>
6	Group Session	3	2	1	<p><b>Lesson 6. Techniques and methods of action of combat (tactical) groups during assault operations.</b></p> <p>1. Composition of the assault group, division into subgroups and their tasks.</p> <p>2. Tactics and methods of action of the trench entry subgroup.</p> <p>3. Techniques and methods of action of the fire support subgroup.</p> <p><i>Independent work:</i> Techniques and methods of action of combat (tactical) groups during assault operations. Preparation for the final control for the semester.</p> <p>1. Practice the diagram: Options for building an assault group's combat order.</p> <p>2. Training in issuing commands to control the actions of the capture subgroups and fire support during assault operations.</p>
7	Group Session	3	2	1	<p><b>Lesson 7. Combat capabilities of mechanised units.</b></p> <p>1. General provisions. Capabilities of mechanised units to combat enemy armoured vehicles.</p> <p>2. Capabilities of mechanised units to destroy enemy manpower. Manoeuvring capabilities.</p> <p><i>Independent work:</i> Combat capabilities of mechanised units.</p> <p>1. Calculation of the combat capabilities of a mechanised unit by variants of the given sets of forces and means.</p> <p>2. Study of standards for tactical training of mechanised units.</p>
<b>Total for the topic</b>		<b>21</b>	<b>14</b>	<b>7</b>	

**Topic 2. Tactics of actions of a mechanised unit in the main types of combat (tactical actions).**

8	Group Session	3	2	1	<p><b>Lesson 1: Movement of the mechanised unit.</b></p> <ol style="list-style-type: none"> <li>1. General provisions for the movement of units.</li> <li>2. Peculiarities of movement of units on foot. Actions of personnel in combat tactical groups.</li> <li>3. Organisation of marching guard on the march: marching guard bodies, composition and tasks.</li> <li>4. Actions of units on the march.</li> </ol> <p><i>Independent work:</i> Movement of a mechanised unit.</p> <ol style="list-style-type: none"> <li>1. General provisions for the movement of units. Organisation of marching guard on the march. To work out the scheme "Actions of a foot patrol during reconnaissance (inspection) of local objects (objects) on the route of movement".</li> <li>2. Develop the following scheme: "Techniques of movement of units on foot".</li> </ol>
9	Group Session	3	2	1	<p><b>Lesson 2. Location of the mechanised department on site.</b></p> <ol style="list-style-type: none"> <li>1. General provisions for the location of subdivisions, peculiarities of the location of the mechanised department.</li> <li>2. Organisation of direct protection. Actions of personnel as part of combat tactical groups, in direct protection bodies (patrols, secret).</li> <li>3. Watch guard, actions of the department in the watch guard.</li> </ol> <p><i>Independent work:</i> Location of the mechanised department on site.</p> <ol style="list-style-type: none"> <li>1. General provisions of the location of units. Watch guard, actions of the unit in the watch guard. Duties of the observer.</li> <li>2. Work out the following scheme: "Actions of a mechanised unit as a sentry post".</li> </ol>
10	Group Session	3	2	1	<p><b>Lesson 3: Defence of a mechanised unit.</b></p> <ol style="list-style-type: none"> <li>1. General principles of defensive combat. Place and role of the mechanised unit in defensive combat.</li> <li>2. Building a defensive battle of a mechanised unit.</li> <li>3. Preparation of a defensive battle.</li> <li>4. Conducting defensive combat. Actions of the unit with division into combat groups.</li> </ol> <p><i>Independent work:</i> Defence of a mechanised unit.</p> <ol style="list-style-type: none"> <li>1. General provisions of defensive combat. To work out the scheme: "Construction of a defensive battle of a mechanised unit".</li> <li>2. Contents of the squad fire card.</li> </ol>

11	Group Session	3	2	1	<p><b>Lesson 4. Peculiarities of using a mechanised branch in an urban area.</b></p> <ol style="list-style-type: none"> <li>1. Procedure for movement within combat tactical groups in a settlement.</li> <li>2. Features of movement inside the building.</li> <li>3. Features of building defence as part of combat tactical groups.</li> </ol> <p><i>Independent work:</i> Peculiarities of using a mechanised department in an urban area.</p> <ol style="list-style-type: none"> <li>1. To practice schemes of variants of combat orders of a mechanised squad as part of combat (tactical) groups during operations in urban areas.</li> <li>2. Defence of the house</li> </ol>
12	Group Session	3	2	1	<p><b>Lesson 5. Offensive of the mechanised division. Final control (test) for the semester.</b></p> <ol style="list-style-type: none"> <li>1. General principles of offensive combat. Place and role of the mechanised squad in the offensive battle. Construction of an offensive battle of a mechanised squad.</li> <li>2. Preparation of an offensive battle.</li> <li>3. Conducting offensive combat. Actions of the unit with division into combat groups.</li> </ol> <p><i>Independent work:</i> The offensive of the mechanised division.</p> <ol style="list-style-type: none"> <li>1. Combat formations of a mechanised division in the offensive.</li> <li>2. To work out the schemes of variants of the construction of the combat order of a mechanised squad in the offensive with the division into combat groups.</li> </ol>
<b>FIELD TRAINING</b>					
13	Tactical-Drill Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the TEF "Actions of a mechanised unit while moving on foot".</p> <ol style="list-style-type: none"> <li>1. Training in giving commands to change marching orders.</li> <li>2. Training in hand signalling while moving on foot.</li> <li>3. Study of the conditions for meeting tactical training standards within the unit.</li> </ol> <p><b>Lesson 6. Actions of a mechanised unit when moving on foot.</b></p> <ol style="list-style-type: none"> <li>1. Techniques of movement on foot, when approaching the enemy.</li> <li>2. Actions of the sentry unit.</li> </ol>

14	Tactical-Drill Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the TSE "Actions of a mechanised unit during location on site".</p> <p>1. Training in setting tasks (observer, patrol, secret).2. Learning the procedure for repelling an attack by a sabotage and reconnaissance unit.</p> <p>3. Study of the conditions for meeting tactical training standards within the unit.</p> <p><b>Lesson 7. Actions of a mechanised unit while in place.</b></p> <p>1. Engineering equipment, camouflage of elements of the location area.</p> <p>2. Actions of the security authorities.</p>
15	Tactical-Drill Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the TSE "Management of actions of a mechanised unit in a defensive battle".</p> <p>1. Training in issuing commands to control the actions of the squad and fire in defensive combat.</p> <p>2. Study of the conditions for meeting tactical training standards. Preparation of training sites.</p> <p><b>Lesson 8. Controlling the actions of a mechanised unit in a defensive battle.</b></p> <p>1. Preparation of a defensive battle. Fulfilment of tactical (engineering) training standards.</p> <p>2. Management of the unit's actions in combat. Fulfilment of tactical training standards.</p>
16	Tactical-Drill Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the TSE "Management of actions of a mechanised unit in offensive combat".</p> <p>1. Training in issuing commands to control the actions of the squad and fire in offensive combat.</p> <p>2. Study of the conditions for meeting tactical training standards. Preparation of training sites.</p> <p>3. To work out the schemes of variants of building the combat order of a mechanised squadron in the offensive with the division into combat groups.</p> <p><b>Lesson 9. Controlling the actions of a mechanised unit in an offensive battle.</b></p> <p>1. Preparation of an offensive battle. Fulfilment of tactical training standards.</p> <p>2. Management of the unit's actions in combat. Fulfilment of tactical training standards.</p>
17	Tactical-Drill Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the TOC "Management of actions of a mechanised unit in an urban area".</p> <p>1. Learning the rules of tactical actions. Watching training films.</p> <p>2. Preparation of training places.</p> <p><b>Lesson 10. Managing the actions of a mechanised unit in an urban area.</b></p> <p>1. Procedure for movement within combat tactical groups in a settlement.</p> <p>2. Actions of combat tactical groups inside the building.</p>

18	Tactical-Drill Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the TSE "Management of actions of a mechanised unit during night operations".</p> <ol style="list-style-type: none"> <li>1. Training in giving signals (sound, light) to control the actions of the squad and fire in offensive combat.</li> <li>2. Study of the characteristics and operation of night vision devices, thermal imagers and other technical means of reconnaissance and surveillance. Preparation of training places.</li> </ol> <p><b>Lesson 11. Managing the actions of a mechanised unit when performing tasks at night.</b></p> <ol style="list-style-type: none"> <li>1. Transition to night actions.</li> <li>2. Tactical actions of the unit by type of combat.</li> <li>3. Performing tactical actions (tasks) of reconnaissance (surveillance, eavesdropping) and security with the use of technical means of reconnaissance and surveillance.</li> </ol>
<b>Total for the topic</b>		<b>33</b>	<b>22</b>	<b>11</b>	
<b>Topic 3: Tactics of a mechanised platoon in the main types of tactical operations.</b>					
19	Group Session	3	2	1	<p><b>Lesson 1: March of a mechanised platoon and actions in marching guard.</b></p> <ol style="list-style-type: none"> <li>1. General provisions. The experience of the Russian-Ukrainian war.</li> <li>2. Preparing the platoon for the march.</li> <li>3. Peculiarities of preparing a platoon for actions in marching guard.</li> <li>4. Management of platoon actions in marching guard.</li> </ol> <p><i>Independent work:</i> March of a mechanised platoon and actions in marching guard.</p> <ol style="list-style-type: none"> <li>1. Actions of platoon units when ambushed.</li> <li>2. Develop the following schemes: "Areas and boundaries assigned to the platoon during the march"; "Construction of the platoon's marching order when moving as part of the main force".</li> </ol>
20	Group Session	3	2	1	<p><b>Lesson 2. Positioning of a mechanised platoon on the ground and actions in sentry duty.</b></p> <ol style="list-style-type: none"> <li>1. General provisions. The experience of the Russian-Ukrainian war.</li> <li>2. Prepare the platoon for deployment.</li> <li>3. Peculiarities of preparing a platoon for actions in sentry duty.</li> <li>4. Management of platoon actions in guard posts and other security bodies.</li> </ol> <p><i>Independent work:</i> Positioning of a mechanised platoon on the ground and actions in sentry duty.</p> <ol style="list-style-type: none"> <li>1. Peculiarities of the location of units in base camps.</li> <li>2. Rehearse the following diagrams: "Location of a mechanised platoon in place within a company", "Actions of a mechanised platoon in a sentry outpost".</li> </ol>

21	Group Session	3	2	1	<p><b>Lesson 3. Participation in stabilisation operations and other tasks.</b></p> <p>1. Peculiarities of participation of troops in stabilisation operations.</p> <p>2. Peculiarities of participation in the performance of other tasks specified by the legislation of Ukraine.</p> <p><i>Independent work:</i> Participation in stabilisation operations and other tasks.</p> <p>1. Peculiarities of preparing a platoon for participation in stabilisation operations.</p> <p>2. Develop the following schemes: "Participation of a mechanised platoon in the search for enemy subversive forces and illegal armed groups", "Participation of a mechanised platoon in the protection and defence of important objects and communications".</p>
<b>Total for the topic</b>		<b>9</b>	<b>6</b>	<b>3</b>	
<b>Topic 4. Tactics of a mechanised platoon in a defensive battle.</b>					
22	Lecture	3	2	1	<p><b>Lesson 1: Mechanised platoon in defensive combat.</b></p> <p>1. Place, tasks of a mechanised platoon in a defensive battle.</p> <p>2. Building the defence of a mechanised platoon.</p> <p>3. Defensive combat.</p> <p><i>Independent work:</i> A mechanised platoon in defensive combat.</p> <p>1. Place and tasks of a mechanised platoon in a defensive battle. Study the experience of using mechanised units in defensive combat during the Russian-Ukrainian war.</p> <p>2. Practice the diagram: "Diagram of a mechanised platoon's stronghold".</p>

23	Group Session	4	2	2	<p><b>Lesson 2: Preparing for a defensive battle.</b></p> <ol style="list-style-type: none"> <li>1. Organisation of the battle.</li> <li>2. Preparing units for combat.</li> <li>3. Take up the defence and prepare the platoon's stronghold.</li> <li>4. Practical work of the platoon commander in subordinate units.</li> </ol> <p><i>Independent work. Preparation of a defensive battle.</i></p> <ol style="list-style-type: none"> <li>1: Peculiarities of the work of a mechanised platoon commander depending on the conditions of transition to defence.</li> <li>2. Combat documents developed by the platoon in preparation for defensive combat.</li> <li>3) Preparation of abstracts and reports for the seminar.</li> </ol> <p><i>Independent work:</i> Preparation for the seminar. Preparation and conduct of defensive combat in special conditions.</p> <ol style="list-style-type: none"> <li>1. Definition (purpose) of a defensive battle. The place of a mechanised platoon in a defensive battle. Sequential execution of defensive combat tasks.</li> <li>2. Preparation and conduct of defensive combat of mechanised units based on the experience of the Russian-Ukrainian war.</li> <li>3. Preparation and conduct of defensive combat of mechanised units in special conditions.</li> </ol>
24	Seminar	2	2		<p><b>Lesson 3: Preparation and conduct of defensive combat in special conditions.</b></p> <ol style="list-style-type: none"> <li>1. Definition (purpose) of a defensive battle. The place of a mechanised platoon in a defensive battle. Sequential execution of defensive combat tasks.</li> <li>2. Preparation and conduct of defensive combat of mechanised units based on the experience of the Russian-Ukrainian war.</li> <li>3. Preparation and conduct of defensive combat of mechanised units in special conditions.</li> </ol>
<p><b>A set of group exercises on the topic: "Transition of a mechanised platoon to defence in the absence of a collision with the enemy. Defensive combat".</b></p>					

25	Group Exercise	3	2	1	<p><i>Independent work:</i> Preparation for a group exercise. "Preparing a mechanised platoon for defence in the absence of a collision with the enemy".</p> <ol style="list-style-type: none"> <li>1. Study of the tactical task. Preparation of a working map, drawing the initial situation.</li> <li>2. The content of the platoon leader's work in understanding the task, calculating time, and assessing the situation.</li> <li>3. Contents of the paragraphs of the preliminary combat order.</li> </ol> <p><b>Lesson 4. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 1, 2.</b></p> <ol style="list-style-type: none"> <li>1. Understand the task at hand.</li> <li>2. Calculating the time. Assessment of the situation.</li> <li>3. Development of the first preliminary combat order.</li> <li>4. Communicating the first preliminary combat order to subordinates.</li> </ol>
26	Group Exercise	3	2	1	<p><i>Independent work:</i> Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 1, 2.</p> <ol style="list-style-type: none"> <li>1. Record the results of the task awareness on the platoon leader's work card. Finalising the time calculation</li> <li>2. Training in communicating the first preliminary combat order.</li> </ol> <p><b>Lesson 5. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 3: "Development of a preliminary plan".</b></p> <ol style="list-style-type: none"> <li>1. Analysis of the task.</li> <li>2. Developing options for action.</li> </ol>
27	Group Exercise	3	2	1	<p><i>Independent work:</i> Preparing a mechanised platoon for defence in the absence of an enemy engagement. Stage 3: "Development of a preliminary plan".</p> <ol style="list-style-type: none"> <li>1. Analysing the options for action. Comparison and selection of the final course of action</li> <li>2. Development of the battle plan. Preparation of a working map for the report of the plan.</li> </ol> <p><b>Lesson 6. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 3: "Development of a preliminary plan".</b></p> <ol style="list-style-type: none"> <li>1. Report on the battle plan.</li> <li>2. Practice the second preliminary combat order.</li> </ol>

28	Group Exercise	3	2	1	<p><i>Independent work:</i> Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 6: "Completion of battle planning".</p> <ol style="list-style-type: none"> <li>1. Formulation of combat missions.</li> <li>2. Details of management and interaction issues.</li> <li>3. Detailing the issues of comprehensive support for actions.</li> </ol> <p><b>Lesson 7. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 7: "Issuing a combat order".</b></p> <ol style="list-style-type: none"> <li>1. Issuing a combat order.</li> <li>2. Setting combat tasks for subordinates.</li> </ol>
<b>FIELD TRAINING</b>					
29	Tactical Exercise	6	4	2	<p><i>Independent work:</i> Preparation for the task "Preparation of a mechanized platoon for defence in the absence of collision with the enemy". Stage 5, 7.</p> <ol style="list-style-type: none"> <li>1. Completion of a combat order. Training in setting combat tasks for subordinates.</li> <li>2. Content of the reconnaissance.</li> <li>3. Preparation of a working map, devices for mapping the situation for work in the field. Preparation of equipment.</li> </ol> <p><b>Lesson 8. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Phase 5, 7.</b></p> <ol style="list-style-type: none"> <li>1. Conducting a reconnaissance.</li> <li>2. Issuance of a combat order.</li> </ol>
30	Tactical Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the task "Preparation of a mechanised platoon for defence in the absence of a collision with the enemy". Stage 4, 8.</p> <ol style="list-style-type: none"> <li>1. Training in setting combat tasks for subordinates on the ground (on a terrain model).</li> <li>2. Content of the organisation of management, interaction and comprehensive support on the terrain layout.</li> <li>3. Development of call sign forms for officials, tables of control and interaction signals.</li> </ol> <p><b>Lesson 9. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Phase 4, 8.</b></p> <ol style="list-style-type: none"> <li>1. Prepare the terrain layout.</li> <li>2. Organisation of management, interaction and comprehensive support on the terrain layout.</li> </ol>

31	Tactical-Drill Exercise	6	4	2	<p><i>Independent work:</i> Preparation for the TPE "Preparation of a mechanised platoon for defence in the absence of a collision with the enemy". Stage 4, 8.</p> <p>1. Study of the conditions for the implementation of tactical training standards in a platoon (squad) in defensive combat.</p> <p>2. Preparation of training sites and training leaders at training sites.</p> <p><b>Lesson 10. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Phase 4, 8.</b></p> <p>1. Unit preparation and movement. Checking readiness. Fulfilment of tactical training standards as part of a platoon (squad).</p>
32	Tactical Exercise	3	2	1	<p><i>Independent work:</i> Preparation for the task "Management of actions of a mechanized platoon in the course of defensive combat".</p> <p>1. Refine the working map.</p> <p>2. Prepare a table of call signs, a table of control and interaction signals.</p> <p><b>Lesson 11. Controlling the actions of a mechanised platoon in defensive combat.</b></p> <p>1. Platoon management during defensive combat: destroying enemy reconnaissance; defeating the advancing enemy; fighting the attacking enemy; destroying the enemy trying to bypass or break into the platoon stronghold.</p> <p>2. Fighting in the trenches, participating in a counterattack.</p>
33	Tactical Exercise	3	2	1	<p><i>Independent work. Preparation for the task "Controlling the actions of a mechanised platoon during a defensive battle at night".</i></p> <p>1. Light support for defensive combat at night. Developing guidelines for preparing a platoon for night operations. Refinement of the working map on light support.</p> <p>2. Revision of the table of control signals and interaction on lighting issues</p> <p><b>Lesson 12. Controlling the actions of a mechanised platoon in defensive combat at night.</b></p> <p>1. Transition to night operations. Preparing units for defensive combat at night.</p> <p>2. Platoon management during a defensive battle at night: - destruction of enemy reconnaissance; - defeat of the advancing enemy; - fighting with the attacking enemy; - destruction of the enemy trying to bypass or break into the platoon stronghold.</p>
<b>Total for the topic</b>		<b>42</b>	<b>28</b>	<b>14</b>	
<b>Topic 5. Tactics of a mechanised platoon in an offensive battle.</b>					

34	Lecture	3	2	1	<p><b>Lesson 1: Mechanised platoon attack.</b></p> <ol style="list-style-type: none"> <li>1. Place and role of a mechanised platoon in an offensive battle.</li> <li>2. Tasks of a mechanised platoon in an offensive battle, their content.</li> <li>3. Combat order, system of fire of a mechanized platoon in offensive combat.</li> <li>4. Conducting offensive combat.</li> </ol> <p><i>Independent work:</i> Mechanised platoon attack.</p> <ol style="list-style-type: none"> <li>1. Place and role of the mechanised platoon in an offensive battle. Tasks of a mechanised platoon in an offensive battle.</li> <li>2. Study the experience of using mechanised units in offensive combat during the Russian-Ukrainian war.</li> <li>3) Rehearse the scheme: "Actions of a mechanised platoon in an offensive battle".</li> </ol>
35	Group Session	4	2	2	<p><b>Lesson 2: Preparing and conducting offensive combat.</b></p> <ol style="list-style-type: none"> <li>1. Features of the platoon commander's work in planning an offensive battle.</li> <li>2. Peculiarities of managing platoon actions in offensive combat.</li> </ol> <p><i>Independent work. Preparing and conducting offensive combat.</i></p> <ol style="list-style-type: none"> <li>1. Develop the following scheme: "Areas and boundaries to be assigned in an offensive with a deep advance".</li> <li>2. Rehearse the following scheme: "The order of regrouping, replacement for taking the initial position in the offensive from the position of direct contact with the enemy".</li> <li>3. Preparation of abstracts and reports for the seminar.</li> </ol> <p><i>Independent work. Preparation for the seminar. Preparation and conduct of offensive combat in special conditions.</i></p> <ol style="list-style-type: none"> <li>1. Definition (purpose) of an offensive battle. The place of the mechanised platoon in an offensive battle. Sequential execution of offensive combat tasks.</li> <li>2. Preparation and conduct of offensive combat of mechanised units based on the experience of the Russian-Ukrainian war.</li> <li>3. Preparation and conduct of offensive combat of mechanised units in special conditions.</li> </ol>

36	Seminar	2	2		<p><b>Lesson 3: Preparing and conducting offensive combat in special conditions.</b></p> <p>1. Definition (purpose) of an offensive battle. The place of the mechanised platoon in an offensive battle. Sequential execution of offensive combat tasks.</p> <p>2. Preparation and conduct of offensive combat of mechanised units based on the experience of the Russian-Ukrainian war.</p> <p>3. Preparation and conduct of offensive combat of mechanised units in special conditions.</p>
<b>A set of group exercises on the topic: "Advance of a mechanised platoon with a move from depth".</b>					
37	Group Exercise	3	2	1	<p><i>Independent work. Preparation of a mechanised platoon for an offensive with a move from depth. Stage 1, 2.</i></p> <p>1. Study of the tactical task. Preparation of a working map, drawing the initial situation.</p> <p>2. The content of the platoon leader's work in understanding the task, calculating time, and assessing the situation.</p> <p>3. Contents of the paragraphs of the preliminary combat order.</p> <p><b>Lesson 4. Preparation of a mechanised platoon for an advance from depth. Phase 1, 2.</b></p> <p>1. Understand the task at hand.</p> <p>2. Calculating the time. Assessment of the situation.</p> <p>3. Development of the first preliminary combat order.</p> <p>4. Communicating the first preliminary combat order to subordinates.</p>
38	Group Exercise	3	2	1	<p><i>Independent work. Preparation of a mechanised platoon for an offensive with a move from depth. Stage 3: "Development of a preliminary plan".</i></p> <p>1. Record the results of task awareness on the platoon commander's working card. Finalisation of the time calculation, preliminary combat order.</p> <p>2. Training in the delivery of the first preliminary combat order (PCO 1).</p> <p><b>Lesson 5. Preparation of a mechanised platoon for an attack from depth. Stage 3: "Development of a preliminary plan".</b></p> <p>1. Analysis of the task.</p> <p>2. Developing options for action.</p>

39	Group Exercise	3	2	1	<p><i>Independent work. Preparation of a mechanised platoon for an offensive with a move from depth. Stage 3: Development of a preliminary plan.</i></p> <ol style="list-style-type: none"> <li>1. Analysing the options for action. Comparison and selection of the final course of action</li> <li>2. Development of the battle plan. Preparation of a working map for the report of the plan.</li> </ol> <p><b>Lesson 6. Preparing a mechanised platoon for an advance from depth. Stage 3: "Developing a preliminary plan"</b></p> <ol style="list-style-type: none"> <li>1. Report on the battle plan.</li> <li>2. Practice the second preliminary combat order.</li> </ol>
40	Group Exercise	3	2	1	<p><i>Independent work. Preparation of a mechanised platoon for an advance from depth. Stage 6: "Completion of battle planning"</i></p> <ol style="list-style-type: none"> <li>1. Formulation of combat missions.</li> <li>2. Details of management and interaction issues.</li> <li>3. Detailing the issues of comprehensive support for actions.</li> </ol> <p><b>Lesson 7. Preparation of a mechanised platoon for an advance from depth. Stage 7: "Issuing a combat order".</b></p> <ol style="list-style-type: none"> <li>1. Issuing a combat order.</li> <li>2. Setting combat tasks for subordinates.</li> </ol>
<b>FIELD ACCESS</b>					
41	Tactical Exercise	4	2	2	<p><i>Independent work. Preparation for the task "Preparation of a mechanized platoon for an offensive with a move from depth". Stage 5, 7.</i></p> <ol style="list-style-type: none"> <li>1. Completion of a combat order. Training in setting combat tasks for subordinates.</li> <li>2. Content of the reconnaissance.</li> <li>3. Preparation of a working map, devices for mapping the situation for work in the field. Preparation of equipment.</li> </ol> <p><b>Lesson 8. Preparation of a mechanised platoon for an advance from depth. Phase 5, 7.</b></p> <ol style="list-style-type: none"> <li>1. Conducting a reconnaissance.</li> <li>2. Issuance of a combat order.</li> </ol>

42	Tactical Exercise	3	2	1	<p><i>Independent work. Preparation for the task "Preparation of a mechanised platoon for an offensive with a deep advance". Stage 4, 8.</i></p> <ol style="list-style-type: none"> <li>1. Training in setting combat tasks for subordinates on the ground (on a terrain model).</li> <li>2. Content of the organisation of management, interaction and comprehensive support on the terrain layout.</li> <li>3. Development of call sign forms for officials, tables of control and interaction signals.</li> </ol> <p><b>Lesson 9. Preparation of a mechanised platoon for an advance from depth. Phase 4, 8.</b></p> <ol style="list-style-type: none"> <li>1. Prepare the terrain layout.</li> <li>2. Organisation of management, interaction and comprehensive support on the terrain layout.</li> </ol>
43	Tactical-Drill Exercise	5	2	3	<p><i>Independent work. Preparation for the TPE "Preparation of a Mechanised Platoon for an Advance from Depth". Stage 4, 8.</i></p> <ol style="list-style-type: none"> <li>1. Study of the conditions for the implementation of tactical training standards in a platoon (squad) in an offensive battle.</li> <li>2. Preparation of training sites and training leaders at training sites.</li> </ol> <p><b>Lesson 10. Preparation of a mechanised platoon for an advance from depth. Stage 4.8.</b></p> <ol style="list-style-type: none"> <li>1. Unit preparation and movement. Checking readiness. Fulfilment of tactical training standards as part of a platoon (squad).</li> </ol> <p><i>Independent work. Preparation for the task "Controlling the actions of a mechanised platoon during an offensive battle".</i></p> <ol style="list-style-type: none"> <li>1. Refine the working map.</li> <li>2. Prepare a table of call signs, a table of control and interaction signals.</li> </ol>
44	Tactical Exercise	2	2		<p><b>Lesson 11. Controlling the actions of a mechanised platoon in an offensive battle.</b></p> <ol style="list-style-type: none"> <li>1. Platoon management during offensive combat: platoon management during the advance from the depths; platoon management during the attack on the front line of enemy defence and the capture of the object of attack. Fighting in trenches; platoon management during combat in the depths of enemy defence.</li> <li>2. Managing a platoon in pursuit of the enemy. Securing a favourable position.</li> </ol>

45	Tactical Exercise	3	2	1	<p><i>Independent work. Preparation for the task "Controlling the actions of a mechanised platoon during an offensive battle at night".</i></p> <p>1. Light support for offensive combat at night. Developing guidelines for preparing a platoon for night operations. Finalising the working map on lighting support.</p> <p>2. Revision of the table of control signals and interaction on lighting issues</p> <p><b>Lesson 12. Managing the actions of a mechanised platoon in an offensive battle at night.</b></p> <p>1. Transition to night operations. Preparing units for offensive combat at night.</p> <p>2. Platoon management during offensive combat at night:  platoon management during the advance from the depths;  platoon management during the attack on the front line of enemy defence and the capture of the object of attack. Combat in trenches; platoon management during combat in the depths of enemy defences.</p>
46		1		1	<p><i>Independent work. Completion of preparation for the final control - EXAM.</i></p> <p>1. General provisions (fundamentals) of offensive combat, defensive combat, movement of units, positioning in place, participation in stabilisation actions of troops, comprehensive support of combat (actions).</p> <p>2. The sequence and content of the work of the mechanised platoon (squad) commander in preparing for combat in accordance with the 8 stages of TLP (Troop Leading Procedures). Management in the course of combat (actions)</p> <p>3. Organisational and staffing structure, technical specifications of weapons and military equipment of the units of the Land Forces of the Armed Forces of Ukraine (<i>MB, MR, Mv, MvD, RVP, Gv, Kulv, Ptv, Zrv, Tv</i>).</p> <p>4. Preparation of combat documents, basic tactical signs, and abbreviations.</p>
<b>Total for the topic</b>		<b>38</b>	<b>24</b>	<b>14</b>	
<b>Control measures</b>		<b>6</b>	<b>6</b>		<b>Assessment</b>
<b>Total for the educational component</b>		<b>150</b>	<b>100</b>	<b>50</b>	

#### **4.4. MP 1.4 "Fundamentals of Command and Control (including the Troop Leading Procedures) TROOP LEADING PROCEDURES)"**

##### **General objective of the educational programme component**

Providing primary knowledge and skills of a military management officer capable of professional military management of a unit, timely making informed management decisions in the organisation of combat, including NATO standards.

As a result of studying the discipline, students (trainees) should:

*to know:*

basics and principles of the theory of command and control;

the procedure for planning, organising and controlling the performance of official tasks;

the content of assessing the situation, developing a plan, making a decision, setting tasks for subordinates, organising management and interaction;

the content and procedure of comprehensive support measures;

methodology and procedure for developing textual and graphic combat documents;

methods of work of command and control bodies in organising and planning combat operations, their features, disadvantages and advantages;

a methodology for assessing the combat capabilities of a mechanised platoon;

content of the management activities of the mechanised platoon commander according to Troop Leading Procedures (TLP);

the procedure for receiving a combat task and communicating a preliminary combat order under TLP procedures;

*be able to:*

to carry out measures to organise combat;

organise comprehensive support measures;

assess the situation, develop a plan, make decisions, and set tasks for subordinates;

develop text and graphic combat documents;

choose the means of implementing the decision-making process;

to organise the work of the command and control body in planning combat operations using various methods;

assess the combat capabilities of a mechanised platoon;

to set combat tasks and check readiness for their execution according to TLP procedures.

### **Organisational and methodological guidelines**

The discipline is designed to develop in servicemen organisational skills in managing units, professional skills in preparing and organising combat (combat use), developing a staff culture, the ability to assess the situation efficiently and quickly, develop proposals and conclusions, and the ability to report them briefly and clearly.

It is mandatory to systematically consolidate the knowledge and skills acquired in the course of studying the discipline during practical and group classes.

In the course of studying the discipline, to cultivate strong will, confidence in conducting measures for the organisation of combat operations (combat use), high military discipline, patriotism, a sense of personal responsibility for the organisation of the ability, including making responsible decisions, perseverance and determination to implement them.

The educational material provided for studying during independent work is submitted for final control together with the educational material that is processed in class under the guidance of a scientific and pedagogical employee.

During all forms of training, individual, group and frontal methods of knowledge control and active learning methods are used. The current control is carried out in the form of an oral survey or written express control during the training sessions.

Classrooms, computer labs, multimedia equipment, visual teaching aids, and writing utensils are used for all types of classes.

### **Information and methodological support**

1. The general military regulations of the Armed Forces of Ukraine.
2. Fundamentals of Military Management. Part I. The work of the unit commander on the organisation of combat: a textbook / P. Tkachuk, I. Repin, V. Ozharevskyi. Lviv: NASV, 2017.
3. Fundamentals of military management. Part II. Euro-Atlantic procedures and standards of unit management: a textbook / I. Repin, V. Ozharevskyi. Lviv: NASV, 2018.
4. Fundamentals of Military Command Theory and NATO Staff Procedures: a textbook / V. Varakuta, I. Rolin, D. Dyachenko - Kharkiv: VITV NTU "KHPI", 2019.
5. Fundamentals of Management according to NATO standards: a textbook / I. Rolin, D. Dyachenko, V. Marushchenko - Kharkiv: VITV NTU "KHPI", 2021.

## Titles of topics and distribution of study time by type of class

№ s/n	Types training classes, control events	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic№ 1. Fundamentals of command and control and the process of preparing for combat.</b>					
1	Lecture	2	2		<b>Lesson 1. Fundamentals of the Theory of Troop Management.</b> 1. Subject and content of the discipline. 2. Definition, purpose, tasks and functions of force management. 3. Troop management system and its elements.
2	Lecture	2	2		<b>Lesson 2. Laws and Principles of Troop Management.</b> 1. The laws of command and control of troops and their essence. 2. Principles of troop management and their content. 3. Requirements for troop management.
3	Seminar	2	2		<b>Lesson 3. The essence and content of troop management.</b> 1. The content of laws on the management of troops. 2. Content and essence of the principles of command and control. 3. Tasks and functions of troop management.
4	Lecture	2	2		<b>Lesson 4. The content of the commander's management activity.</b> 1. Measures to organise combat operations (combat use). 2. The content of combat mission awareness and time calculation. 3. Content and procedure for issuing preliminary orders. 4. The essence of the situation assessment.

5	Group Session	2	2	<p><b>Lesson 5. Procedure for the implementation of measures to organise combat operations (combat use).</b></p> <ol style="list-style-type: none"> <li>1. Content and procedure for assessing the enemy.</li> <li>2. The content and procedure for evaluating your unit (troops).</li> <li>3. The content of the neighbourhood assessment.</li> </ol>
6	Lecture	2	2	<p><b>Lesson 6. Decision-making is the basis of force management.</b></p> <ol style="list-style-type: none"> <li>1. The decision of the commander (chief), its essence and content. Requirements for the commander's decision.</li> <li>2. The essence and content of combat planning (combat employment).</li> <li>3. Reconnaissance by the unit commander.</li> </ol>
7	Group Session	1	1	<p><b>Lesson 7. The content of the commander's decision-making work.</b></p> <ol style="list-style-type: none"> <li>1. Features of decision-making in combat conditions. Factors influencing decision-making.</li> <li>2. Methods that facilitate independent combat decision-making.</li> </ol>
8	Lecture	2	2	<p><b>Lesson 8. The procedure for setting tasks for subordinates. Organisation of interaction and preparation of units for the implementation of tasks.</b></p> <ol style="list-style-type: none"> <li>1. The procedure for assigning combat tasks to subordinates. Combat order, combat order, their structure and content.</li> <li>2. The essence, content, forms, types and procedure for organising interaction.</li> <li>3. Preparing units for the execution of tasks.</li> </ol>
9	Group Session	1	1	<p><b>Lesson 9. The procedure for setting combat tasks and preparing units for their execution.</b></p> <ol style="list-style-type: none"> <li>1. The procedure for drawing up a combat order, its structure and content.</li> <li>2. Procedure for organising interaction and combat support.</li> <li>3. Procedure for organising management and communication.</li> </ol>
<b>Total for the topic</b>		<b>16</b>	<b>16</b>	
<b>Topic 2. Combat text and graphic documents.</b>				
10	Lecture	2	2	<p><b>Lesson 1. The procedure for developing textual combat documents.</b></p> <ol style="list-style-type: none"> <li>1. Combat documents, their classification and requirements.</li> <li>2. Requirements for the design of textual combat documents.</li> </ol>
11	Practical Session	2	2	<p><b>Lesson 2. The work of a platoon commander in issuing a combat order.</b></p> <ol style="list-style-type: none"> <li>1. Collecting and forming the initial data for the preparation of a combat order.</li> <li>2. Practical execution of a combat order.</li> </ol>

12	Lecture	2	2		<b>Lesson 3. The procedure for developing graphic combat documents.</b> 1. Features of the design of graphic combat documents. 2. Methods of drawing up graphic planning documents.
13	Practical Session	5	4	1	<b>Lesson 4. Preparation and execution of graphic combat documents for work.</b> 1. Glue and fold the map. 2. Add the details to the card. <i>Independent work.</i> 1. Raising the topographic base of the map. 2. Prepare and design the cover page.
14	Lecture	3	2	1	<b>Lesson 5. Military symbols.</b> 1. Procedure for the construction of military symbols. 2. Detailed requirements for the application of military symbols, technical specification of symbols. <i>Independent work.</i> 1. Military symbols for weapons and military equipment. 2. Military symbols for command and control of troops. 3. Military symbols of military formations of branches of the armed forces and services.
15	Practical Session	4	4		<b>Lesson 6. The use of military symbols for combat documents.</b> 1. Application of military symbols on graphic combat documents. 2. Marking of troop control measures.
<b>Total for the topic</b>		<b>18</b>	<b>16</b>	<b>2</b>	
<b>Topic№ 3. Management activities of a mechanised platoon commander.</b>					
16	Lecture	2	2		<b>Lesson 1. Combat capabilities of a mechanised platoon.</b> 1. The concept of combat capabilities and their components. 2. The concept of firepower. 3. The concept of impact force. 4. The concept of manoeuvrability.
17	Practical Session	2	2		<b>Lesson 2. Assessment of the combat capabilities of a mechanised platoon.</b> 1. Preparation of initial data for calculating the combat capabilities of a mechanised platoon. 2. Calculate the firepower of a mechanised unit.

18	Lecture	2	2	<p><b>Lesson 3. Types of comprehensive support and their content.</b></p> <ol style="list-style-type: none"> <li>1. The concept of comprehensive coverage and its components.</li> <li>2. General characteristics of medical care.</li> <li>3. General characteristics of logistics support.</li> <li>4. Classification of equipment according to NATO standards.</li> </ol>
19	Group Session	2	2	<p><b>Lesson 4. Organisation of support for combat operations.</b></p> <ol style="list-style-type: none"> <li>1. Organisation of intelligence.</li> <li>2. Organisation of CBRN protection.</li> <li>3. Organisation of engineering support.</li> <li>4. Organisation of tactical camouflage.</li> <li>5. Organisation of security.</li> </ol>
<b>Total for the topic</b>		<b>8</b>	<b>8</b>	
<b>See № 4. The work of a mechanised platoon commander in preparing for combat according to NATO standards.</b>				
20	Lecture	2	2	<p><b>Lesson 1. The content of the management activities of a mechanised platoon commander according to TLP procedures.</b></p> <ol style="list-style-type: none"> <li>1. Stages of the battle preparation process.</li> <li>2. Components of the stages of the battle preparation process.</li> </ol>
21	Group Session	2	2	<p><b>Lesson 2. Receiving a combat task and communicating a preliminary combat order according to TLP procedures.</b></p> <ol style="list-style-type: none"> <li>1. Receiving a combat mission (the first stage of the combat preparation process).</li> <li>2. Communicating the preliminary combat order (the second stage of the combat preparation process).</li> </ol>
22	Lecture	4	4	<p><b>Lesson 3. The procedure for developing a preliminary battle plan according to the TLP procedure.</b></p> <ol style="list-style-type: none"> <li>1. Content and procedure of work at the task analysis stage.</li> <li>2. Content and procedure of work at the stage of developing action options.</li> </ol>
23	Group Session	2	2	<p><b>Lesson 4. Developing a preliminary plan and preparing the unit for relocation according to TLP procedures.</b></p> <ol style="list-style-type: none"> <li>1. The content and procedure of the process of comparing and selecting the final option.</li> <li>2. The content and procedure of work in the course of preparing the unit for relocation.</li> </ol>

24	Lecture	2	2	<p><b>Lesson 5. The procedure for conducting reconnaissance and completing battle planning according to TLP procedures.</b></p> <p>1. Content and procedure of work during reconnaissance. 2. Content and procedure for completing battle planning.</p>
25	Lecture	2	2	<p><b>Lesson 6. The procedure for setting combat tasks and checking readiness to perform them according to TLP procedures.</b></p> <p>1. The procedure for drawing up a combat order, its structure and content. 2. Measures to verify readiness.</p>
26	Group Session	2	2	<p><b>Lesson 7. Commander's work during combat (operations) according to NATO standards.</b></p> <p>1. Management of a unit during combat (operations). 2. Fire control of the unit. 3. Analysis of the battle.</p>
<b>Total for the topic</b>		<b>16</b>	<b>16</b>	
<b>Control measures</b>		<b>2</b>	<b>2</b>	<b>Credit</b>
<b>Total for the educational component</b>		<b>60</b>	<b>58</b>	<b>2</b>

#### 4.5. MP 1.5 "Dayly unit management "

##### **General objective of the educational programme component**

Training of an officer who is able to maintain the unit in constant readiness to perform assigned tasks, organise and conduct combat training in the unit according to training standards, use regulatory documents and organise safe conditions of military service in the unit, organise and conduct company economy.

As a result of studying the discipline, students (trainees) should:

*to know:*

the content of measures to maintain the unit in combat readiness;

the procedure for organising daily activities in the platoon (company);

the procedure for organising personnel records in the unit;

the procedure for keeping records of material assets in the unit;

the procedure for accepting and resigning the position of unit commander;

basic forms and methods of combat training in the company;

Methods of conducting classes according to training standards;

requirements for the safety of military activities during combat training, the use of weapons and military equipment, the performance of economic activities, and compliance with fire and environmental safety;

*be able to:*

develop and maintain personal documents on combat readiness;

organise and conduct combat training in the unit, and keep records of it;

conduct combat training classes in accordance with training standards;

Develop planning and reporting documents for combat training;

organise and support the day-to-day activities of the unit;

organise and manage company housekeeping;

work with restricted documents in a variety of environments;

Organise and keep records of material assets in the unit;

document the acceptance and surrender of the position of unit commander;

organise security measures in the unit during combat training, use of weapons and military equipment, household work, fire and environmental safety.

### **Organisational and methodological guidelines**

The subject matter of the discipline is the daily activities of the unit and the practice of using military units.

Group and practical exercises should be conducted to acquire practical skills in managing military units to ensure the fulfilment of daily tasks, maintaining units in constant readiness to perform assigned tasks, using examples from the experience of the Russian-Ukrainian war. In practical classes, it is advisable to practice using tasks that require logical thinking and contribute to the development of cadets' (students') creative abilities.

Classes are held in specialised classrooms, training complexes, training grounds and campuses, training fields, which must be equipped with the necessary stands, posters, simulators, computer equipment, etc. The educational material provided for studying during independent work is submitted for final control together with the educational material that is processed in the classroom under the guidance of a scientific and pedagogical employee.

During all forms of training, individual, group and frontal methods of knowledge control and active learning methods are used. The current control is carried out in the form of an oral survey or written express control during the training sessions.

### **Information and methodological support**

1. Law of Ukraine "On Military Duty and Military Service" of 25.03.1992 No. 2232-XII (as amended).
2. Law of Ukraine "On State Secrets" of 21.01.94 No. 3855-XII (as amended).
3. Law of Ukraine "On the Armed Forces of Ukraine" of 06.12.1991 No. 1934-XII (as amended).
4. Law of Ukraine "On mobilisation training and mobilisation" of . 21.10.1993 No. 3543-XII (as amended).
5. Law of Ukraine "On Defence of Ukraine" of 06.12.1991 No. 1932-XII (as amended).
6. Statutes of the Armed Forces of Ukraine.

### Titles of topics and distribution of study time by type of class

№ s/n	Types training classes, control events	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1. Organisation of security of military service in everyday life</b>					
1	Lecture	2	2		<b>Lesson 1. Theoretical foundations of military security</b> 1. Legal basis for the security of military activities. 2. Safety in the operation and maintenance of weapons and military equipment. 3. Investigation of an accident in a military unit.
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 2. Health and safety and the basics of occupational health and safety</b>					
2	Lecture	2	2		<b>Lesson 1. Classification of hazards by source</b> 1. Natural, social, and man-made hazards and their impact factors. 2. Organisation of labour protection in a military unit. 3. Labour protection instructions and their purpose.
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 3. Fundamentals of military administrative activity</b>					
3	Lecture	2	2		<b>Lesson 1. Legislation of Ukraine on protection of state secrets</b> 1. Information with restricted access. State secrets. 2. General provisions on the organisation of classified work in a military unit (subdivision). 3. General Provisions on the Organisation of Official Records Management...

<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 4. Service activities of the unit commander</b>					
4	Lecture	2	2	-	<b>Lesson 1. Activities of the unit commander in the field of human resources management</b> 1. Organisation of personnel records in the unit... 2. Procedure for appointment and dismissal of personnel from the positions of non-commissioned officers of the unit. 3. The procedure for certification by the unit commander of subordinate personnel.
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 5. Organisation of service of troops in the unit</b>					
5	Lecture	2	2		<b>Lesson 1. Fundamentals of organising the service of troops in a unit</b> 1. Content, essence and tasks of military service. 2. Organisation of the daily watch service in the unit. 3. Organisation of the guard service in the unit
6	Group Session	2	2		<b>Lesson 2. Organisation of accounting and storage of weapons and ammunition</b> 1. Requirements of the guiding documents on the accounting and storage of weapons and ammunition in the unit (guard). 2. Responsibilities of officials to ensure the accounting and storage of weapons and ammunition in the unit.
<b>Total for the topic</b>		<b>4</b>	<b>4</b>		
<b>Topic 6. Basics of organising combat training in a unit</b>					
7	Lecture	2	2		<b>Lesson 1. Fundamentals of combat training organisation</b> 1. Purpose, tasks and content of training of the Armed Forces of Ukraine. 2. General provisions for the organisation of combat training. 3. Requirements of regulatory documents on combat training planning.
8	Group Session	2	2		<b>Lesson 2. Organisation of individual and collective training</b> 1. Organisation of individual training. The system of individual training. 2. Forms of collective training. 3. Platoon combat training logbook...
9	Practical Session	2	2		<b>Lesson 3. Planning combat training in a unit</b> 1. Develop and draw up a training schedule for the unit (separate platoon).

					2. Drawing up a lesson plan (outline, operational map).
10	Seminar	2	2		<b>Lesson 4. High-quality organisation of combat training and service of troops in a unit is the basis for maintaining combat readiness</b> 1. Discuss the activities of the unit commander in organising the service of troops in the unit. 2. Discuss the activities of the unit commander in organising combat training in the unit.
<b>Total for the topic</b>		<b>8</b>	<b>8</b>		
<b>Topic 7. Fundamentals of combat and mobilisation readiness</b>					
11	Group session	2	2		<b>Lesson 1. Military mobilisation and combat readiness of units</b> 1. Fundamentals of military mobilisation. 2. Combat readiness of units. 3. Manning units with mobilisation resources.
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 8. Organisation and management of military economy</b>					
12	Lecture	2	2		<b>Lesson 1. Organisation and management of company economy</b> 1. Fundamentals of company management. 2. The work of the commander of a unit for military economy.
13	Practical Session	2	2		<b>Lesson 2. Receiving and handing over cases and position by the unit commander</b> 1. General regulations on the reception and delivery of cases and the position of platoon leader. 2. Preparation of documents for acceptance of cases and the position of platoon commander.
14	Practical Session	2	2		<b>Lesson 3. Accounting for material assets in a subdivision</b> 1. Preparation of accounting documents for the receipt and delivery of material assets of the unit. 2. Prepare documents for writing off material assets.
<b>Total for the topic</b>		<b>6</b>	<b>6</b>		
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>		<b>30</b>	<b>30</b>		

#### 4.6. MP 1.6 "Radiation, Chemical, Biological Protection of Units (including ecology)"

##### **General objective of the educational programme component**

Training of a serviceman capable of implementing radiation, chemical, biological (RBC) protection measures aimed at protecting units from the use of weapons of mass destruction and the consequences of the destruction of high-risk objects in various conditions, and developing their psychological stability when acting in difficult conditions of modern combat.

As a result of studying the discipline, students (trainees) should:

*to know:*

- basic information about weapons of mass destruction;
- methods and ways of determining CBRN contamination;
- maximum permissible levels of ionising radiation, radiation safety standards;
- classification, pathogenic properties of biological agents, and methods of their combat use;
- the procedure for using protective equipment for its intended purpose, peculiarities of preparation and use of individual and collective protective equipment during the performance of tasks, depending on the combat situation;
- service equipment of the CBRN defence forces;

*be able to:*

- organise measures to protect against weapons of mass destruction;
- use CBRN contamination detection equipment and personal protective equipment against weapons of mass destruction;
- determine the maximum permissible levels of ionising radiation in accordance with radiation safety standards;
- operate in conditions of biological contamination;
- use the service equipment of the CBRN troops.

##### **Organisational and methodological guidelines**

The study of the discipline is aimed at mastering the basic provisions of CBRN protection and acquiring skills in the use of CBRN protection means.

To achieve the overall learning goal, the following forms of learning are provided:

- frontal form of training, when all cadets (students) perform the same task at the same time under the supervision of a teacher;
- group form of training, when cadets (students) are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of training, when cadets (students) complete tasks sequentially, one by one.

Depending on the level of knowledge or skill required, the following methods are used:

explanatory and illustrative method, in which the teacher presents the ready-made information by various means, and the cadets (students) perceive, understand and fix it in their memory;

a reproductive method, the main feature of which is the proof and repetition of a method of activity, to be used in practical classes.

To develop the creative abilities of cadets (students), problem-based learning methods are used during practical classes.

The following control methods are used in teaching the discipline:

entrance control;

current control;

final control.

The number of control measures, forms of their implementation, frequency are communicated to cadets (students) at the beginning of the discipline.

Classes are held in specialised classrooms, training complexes, training grounds and campuses, training fields, which must be equipped with the necessary stands, posters, simulators, computer equipment, etc. The educational material provided for studying during independent work is submitted for final control together with the educational material that is processed in the classroom under the guidance of a scientific and pedagogical employee.

### **Information and methodological support**

1. Doctrine on Chemical, Biological, Radiological and Nuclear Protection of Troops (Forces): Order of the General Staff of the Armed Forces of Ukraine of 19.10.2020 No. 346.

2. Military standard 01.107.004-2022 (01) "Environmental safety management system for troops (forces) during military operations". Enacted by the order of the Head of the Department of Standardisation, Codification and Cataloguing

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Nuclear, chemical, biological and incendiary weapons. Weapons based on new physical principles.</b>					
1	Lecture	2	2		<p><b>Lesson 1. General characteristics of weapons of mass destruction and high-risk facilities.</b></p> <p>1: The role and place of discipline in the training of military personnel, the procedure for passing discipline and reporting.</p> <p>2.. General characteristics of nuclear weapons. Damaging factors of a nuclear explosion and protection against them.</p> <p>3. General characteristics of chemical weapons. Protection of units from the effects of chemical weapons</p> <p>4. General characteristics of biological weapons. Protection of units from the effects of biological weapons.</p>
2	Group Session	2	2		<p><b>Lesson 2. Incendiary weapons.</b></p> <p>1. General characteristics of incendiary weapons and current views on their use.</p> <p>2. The damaging factors of incendiary weapons.</p> <p>3. Classification of incendiary substances and mixtures.</p> <p>4. Protection of personnel, weapons, military equipment and fortifications from the effects of incendiary weapons.</p>
<b>Total for the topic</b>		<b>4</b>	<b>4</b>		

<b>Topic 2. Basics of radiation, chemical and biological protection of units</b>					
3	Lecture	3	2	1	<p><b>Lesson 1. Purpose, tasks and measures of radiation, chemical and biological protection of units.</b></p> <ol style="list-style-type: none"> <li>1. Content of tasks and measures of radiation, chemical, biological protection of units, forces and means for their implementation.</li> <li>2. The work of commanders and staffs in organising radiation, chemical and biological protection.</li> <li>3. Organisation and conduct of radiation, chemical and biological intelligence in the unit.</li> <li>4. Conventional symbols used for graphical representation of the CBR situation and actions of CBR protection units.</li> </ol> <p><i>Independent work. The purpose, tasks and measures of radiation, chemical and biological protection of units.</i></p> <ol style="list-style-type: none"> <li>1. Procedure for organising radiation, chemical and biological protection of units.</li> <li>2. Procedure for radiation, chemical and biological protection of units.</li> <li>3. Conventional symbols used for graphical representation of the CBR situation and actions of CBR protection units.</li> </ol>
4	Practical Session	2	2		<p><b>Lesson 2: Use of portable technical intelligence equipment.</b></p> <ol style="list-style-type: none"> <li>1. Work with chemical intelligence and control devices.</li> <li>2. Work with radiation detection and monitoring devices.</li> </ol> <p><i>Independent work. Use of portable technical means of reconnaissance.</i></p> <ol style="list-style-type: none"> <li>1. Sequence of actions in preparation for work and checking the operability of radiation detection devices.</li> <li>2. Sequence of actions in preparation for work and checking the performance of chemical reconnaissance devices.</li> </ol>
5	Practical Session	2	2		<p><b>Lesson 3. Practical use of personal protective equipment. Basics of special treatment.</b></p> <ol style="list-style-type: none"> <li>1. Radiation, chemical, biological contamination warning signals.</li> <li>2. Procedure for the implementation and evaluation of standard No. 1.</li> <li>3. Procedure for fulfilling and evaluating the standard No. 4a; 4b.</li> <li>4. Procedure for the implementation and evaluation of the standard No. 6; 7; 8.</li> <li>5. Individual special treatment agents and the procedure for their use</li> <li>6. Purpose and structure of special processing kits and their preparation for use in various processing methods.</li> </ol>
6	Practical Session	2	2		<p><b>Lesson 4. Theoretical basis of aerosols application. Application of technical means of setting up aerosol curtains.</b></p> <ol style="list-style-type: none"> <li>1. General principles of aerosol camouflage.</li> <li>2. Technical means of general-purpose aerosol camouflage and their characteristics.</li> <li>3. The procedure for using hand-held smoke grenades.</li> <li>4. The procedure for using smoke bombs.</li> </ol>
<b>Total for the topic</b>		<b>9</b>	<b>8</b>	<b>1</b>	
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>		<b>15</b>	<b>14</b>	<b>1</b>	

## 4.7. MP 1.7 "Military Topography"

### **General objective of the educational programme component**

The purpose of teaching the discipline is to teach military personnel to use a topographic map as the main measuring and graphic document about the terrain, to draw up terrain diagrams, to navigate the terrain, to assess its tactical properties, to move by azimuths and by topographic map.

As a result of studying the discipline, students (trainees) should:

*to know:*

tactical properties of the terrain;

layout and nomenclature of topographic maps;

symbols for topographic maps;

methodology for determining the characteristics of the terrain;

methods for determining geographical, rectangular and polar coordinates of terrain objects;

methods for determining coordinates on topographic maps in the World Geodetic System WGS-84, Mercator Cartographic Projection (UTM), and the MGRS targeting system;

rules for determining directional angles and magnetic azimuths;

the procedure for measuring distances and areas on a topographic map;

the procedure for working with photographic documents;

the procedure for navigating unfamiliar terrain with and without a map;

the procedure for using navigation devices;

*be able to:*

assess the tactical properties of the terrain;

determine the nomenclature of adjacent sheets of topographic maps;

Read topographic maps;

Determine the mutual visibility between objects and the steepness of slopes;

build vertical terrain profiles;

determine the geographical, rectangular, and polar coordinates of terrain objects;

determine the coordinates on topographic maps in the WGS-84 global geodetic system, the Mercator Cartographic Projection (UTM), and the MGRS targeting system;

Measure distances, areas and angles on a topographic map;

perform measurements on a map, aerial image and on the ground;

navigate unfamiliar terrain with and without a map;

plan and move along a specific route.

### **Organisational and methodological guidelines**

The methodological basis for teaching the discipline is a mandatory and systematic reference to the experience of the Russian-Ukrainian war, taking into account the content of general military, tactical and military-specialist disciplines that cadets (students) will study; giving preference to practical training.

It is mandatory to systematically consolidate the knowledge and skills acquired in the course of studying the discipline during practical (field) classes by performing exercises to determine your location, map orientation, orientation on the ground using a map, measuring angles and distances on the map and terrain, etc.

The educational material provided for studying during independent work is submitted for final control together with the educational material that is processed in class under the guidance of a scientific and pedagogical employee.

To achieve the overall learning objective, the following forms of learning are provided:

frontal form of training, when all cadets (students) perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets (students) are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of training, when cadets (students) complete tasks sequentially, one by one.

Depending on the level of knowledge or skill required, the following methods are used:

explanatory and illustrative method, in which the teacher presents the ready-made information by various means, and the cadets (students) perceive, understand and fix it in their memory;

a reproductive method, the main feature of which is the proof and repetition of a method of activity, to be used in practical classes.

To develop the creative abilities of cadets (students), problem-based learning methods are used during practical classes.

Current control is carried out in the form of an oral survey or written express control during training sessions.

### **Information and methodological support**

1. Shmal S. Military Topography. Kyiv: Editorial and Publishing Centre of the Armed Forces of Ukraine, 2018.
2. Instruction on the use of topographic, special, digital (electronic) maps in the Armed Forces of Ukraine. approved by the Order of the General Staff of the Armed Forces of Ukraine dated 31.12.2021 No. 422.
3. Methodological guide on the use of NATO topographic maps in the Armed Forces of Ukraine. Kyiv, 2017.
4. An album of samples of topographic, special maps and photographic documents about the area produced by the topographic service of the Armed Forces of Ukraine. Kyiv: Editorial and Publishing Centre of the Armed Forces of Ukraine, 2019.
5. Instructions for the use of the World Geodetic System WGS-84. Order of the Ministry of Defence of Ukraine dated 18.09.2023 No. 563.  
39 c.
6. Combat Statute of the Land Forces "Geospatial Support of the Land Forces of the Armed Forces of Ukraine" BP 3-30(11).01, Kyiv, 2020.

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1 Topographic maps.</b>					
1	Group Session	4	2	2	<p><b>Lesson 2 Topographic maps of the Armed Forces of Ukraine.</b></p> <p>1. Purpose, scale and characteristics of topographic maps.            2. The essence of topographic mapping and nomenclature.            3. Summary tables of topographic maps.            4. Prepare a topographic map for work.</p> <p><i>Independent work: Topographic maps of the Armed Forces of Ukraine.</i></p> <p>1. Practice identifying adjacent sheets of topographic maps at different scales.</p>
2	Group Session	4	2	2	<p><b>Lesson 4. Study the terrain on a map.</b></p> <p>1. The essence of the relief image by horizontal lines.            2. The height of the relief section.            3. Determine the elevation and elevation of points on the map.            4. 4. Determine the steepness of slopes from the map.</p> <p><i>Independent work: Study the terrain on a map.</i></p> <p>1. Perform individual tasks to build a vertical profile of the terrain.</p>

3	Group session	3	2	1	<p><b>Lesson 7. The system of geographical coordinates.</b></p> <ol style="list-style-type: none"> <li>1. The concept of a geographic coordinate system.</li> <li>2. Determine geographic coordinates from a topographic map.</li> <li>3. Plotting targets on a map using known geographic coordinates.</li> </ol> <p><i>Independent work: Geographic coordinate system.</i></p> <ol style="list-style-type: none"> <li>1. Determine the location of the object (target) in the geographic coordinate system.</li> </ol>
4	Group Session	3	2	1	<p><b>Lesson 8. The system of flat rectangular coordinates.</b></p> <ol style="list-style-type: none"> <li>1. The essence of the plane rectangular coordinate system.</li> <li>2. Determining rectangular coordinates from a topographic map. Additional coordinate grid at the junction of neighbouring zones.</li> <li>3. Place targets on the map using rectangular coordinates.</li> </ol> <p><i>Independent work: Flat rectangular coordinate system.</i></p> <ol style="list-style-type: none"> <li>1. Determine the location of an object (target) in a flat rectangular coordinate system.</li> <li>2. Determine the location of the object (target) in the polar and bipolar coordinate systems.</li> </ol>
5	Group Session	4	2	2	<p><b>Lesson 9. Azimuths and directional angles.</b></p> <ol style="list-style-type: none"> <li>1. Directional angle, true and magnetic azimuths. The procedure for determining the directional angles from the map.</li> <li>2. Direction correction. Switch from directional angles to azimuths and vice versa.</li> </ol> <p><i>Independent work: Azimuths and directional angles.</i></p> <ol style="list-style-type: none"> <li>1. Determination of directional angles and azimuths. Calculate the directional correction.</li> <li>2. Training in the transition from directional angles to azimuths and vice versa.</li> </ol>
<b>Total for the topic</b>		<b>18</b>	<b>10</b>	<b>8</b>	
<b>Topic 2 Terrain as an element of the combat environment.</b>					
6	Group Session	2	2		<p><b>Lesson 2. Working with aerial images.</b></p> <ol style="list-style-type: none"> <li>1. Prepare the aerial image for work.</li> <li>2. Transfer targets from the aerial image to the map.</li> <li>3. Determine the rectangular coordinates of targets from an aerial image.</li> </ol>

7	Practical Session	5	4	1	<p><b>Lesson 3: Measuring and orienteering without and with a map.</b></p> <p>1. Orientation on the ground without a map.  2. Measure angles and determine distances on the ground.  3. Orientation on the map. Determining the point of standing.</p> <p><i>Independent work: Drawing a map of the area.</i></p> <p>1. Conventional symbols used on terrain diagrams.  2. Drawing up a map of the area.</p>
<b>Total for the topic</b>		<b>7</b>	<b>6</b>	<b>1</b>	
<b>Topographic maps of NATO countries.</b>					
8	Practical Session	3	2	1	<p><b>Lesson 1: Locating objects on NATO maps.</b></p> <p>1. Determine the geographical coordinates.  2. Determine the rectangular coordinates.  3. Features of using the Military Grid Reference System.</p> <p><i>Independent work: Determining the position of objects on NATO maps.</i></p> <p>1. Determining the position of objects using the Military Grid Reference System with varying accuracy.</p>
<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>In total for educational component</b>		<b>30</b>	<b>20</b>	<b>10</b>	

## 4.8. MP 1.8 "Engineering Training"

### **General objective of the educational programme component**

Training of a serviceman who is able to provide comprehensive engineering support to the unit, to practically perform the tasks of engineering support for the mobility of his troops (forces), engineering measures to restrict the mobility of enemy forces and means, engineering measures to increase the survivability and safety of the use of troops (forces) and objects, general engineering support for troops (forces).

As a result of studying the discipline, students (trainees) should:

*to know:*

demonstrate knowledge of the nature of engineering support tasks;

processes of comprehensive support of the unit (by types, branches of the Armed Forces of Ukraine, other military formations established in accordance with the laws of Ukraine) during combat use and daily activities;

*be able to:*

to organise the execution of tasks on engineering support for the mobility of their troops (forces);

to carry out engineering measures to restrict the mobility of enemy forces and assets;

carry out engineering measures to improve the survivability and safety of troops (forces) and facilities;

organise the performance of general engineering support tasks for troops (forces).

### **Organisational and methodological guidelines**

The subject of the discipline is a set of measures for the engineering training of units in order to timely and covertly move them out, deploy them, conduct manoeuvres, create the necessary conditions for the successful completion of assigned tasks, increase the level of protection of units and objects from enemy weapons, inflict losses on the enemy and complicate his actions.

Lecture classes are held to study the theoretical provisions of the use of units in the main types of combat (tactical actions), and they include separate questions on the specifics of unit actions and decision-making procedures by the unit commander according to NATO standards (TLP).

Group training sessions are conducted to teach personnel techniques and methods of performing engineering support tasks in various combat conditions, taking into account the experience of the war with the Russian Federation.

Practical classes are conducted to consolidate and deepen theoretical knowledge, as well as to instil in students the skills of using theoretical provisions in solving specific practical problems. During practical classes, it is advisable to practice performing tasks that require logical thinking and promote the development of students' creative abilities.

### **Information and methodological support**

1. Temporary Guidelines on Engineering Support of the Armed Forces of Ukraine - Kyiv: General Staff of the Armed Forces of Ukraine, 2019.
2. SBP 3-(01,02,04).58(59) Combat Statute of the Mechanised and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part III (platoon, section, tank): approved by the Order of the Commander of the Land Forces of the Armed Forces of Ukraine No. 238 dated 25.05.2016 (as amended in 2017-2023).
3. Combat Statute of the Artillery of the Armed Forces of Ukraine, Part II (Division, Battery, Platoon, Gun) / Kyiv: Varta, 2017.
4. On Approval of the Guidelines on Subversive (Explosive) Activities in the Armed Forces of Ukraine. Order of the General Staff of the Armed Forces of Ukraine No. 1 of 04 January 2017 - Kyiv, 2017.
5. On approval of the guidelines for the use of engineered ammunition by units of the Armed Forces of Ukraine. Order of the General Staff of the Armed Forces of Ukraine of 04 January 2017 No. 2 - Kyiv, 2017.

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Fundamentals of engineering support of combat operations.</b>					
1	Lecture	3	2	1	<p><b>Lesson 1: Engineer troops and tasks of engineering support of combat.</b></p> <p>1. The main tasks of engineering support (engineering support for the mobility of own troops (forces); engineering measures to limit the mobility of enemy forces and assets; engineering measures to increase the survivability and safety of troops (forces) and objects; general engineering support for troops (forces). 2. Organisational and staffing structure and capabilities of an engineer platoon of a mechanised (tank) battalion, an engineering support group of a mechanised (tank) brigade.</p> <p><i>Independent work</i></p> <p>1. Sequence and scope of engineering equipment in the area of concentration of the mechanised, tank (artillery) platoon.</p> <p>2. Sequence and scope of checkpoint engineering equipment.</p>
2	Group Session	3	2	1	<p><b>Lesson 2: Engineering reconnaissance of the enemy and terrain.</b></p> <p>1. Purpose, tasks, bodies of engineering intelligence and methods of its conduct.</p> <p>2. The work of the unit commander in organising engineering reconnaissance of the enemy and the terrain.</p> <p>3. The procedure for conducting a search (reconnaissance) of the area based on the experience of the war with the Russian Federation.</p> <p><i>Independent work</i></p> <p>1. Characteristic demasking features of minefields.</p> <p>2. Composition, equipment and tasks of the emergency demining group.</p>

<b>Total for the topic</b>		<b>6</b>	<b>4</b>	<b>2</b>	
<b>Topic 2. Fortification of troop positions, construction of protective structures and engineering camouflage measures.</b>					
3	Group Session	3	2	1	<p><b>Lesson 1: Fortification equipment of troop positions.</b></p> <ol style="list-style-type: none"> <li>1. General requirements for the fortification of troop positions.</li> <li>2. Arrangement of fortifications for firing at the positions of mechanised and tank units.</li> <li>3. Arrangement of fortifications to protect personnel.</li> </ol> <p><i>Independent work</i></p> <ol style="list-style-type: none"> <li>1. Procedure for equipping single trenches for firing from a rifle (machine gun), trenches for tanks, armoured personnel carriers, armoured personnel carriers, cannon. Procedure for equipping anti-fragmentation shelters, blocked gaps, and dugouts.</li> <li>2. Purpose, specifications of the main types of earthmoving equipment (PZM-2, EOY-4421, MDK-3).</li> </ol>
4	Group Session	3	2	1	<p><b>Lesson 2: Conducting engineering security measures for the use of troops and facilities to camouflage troops and facilities, simulate their actions.</b></p> <ol style="list-style-type: none"> <li>1. General provisions on camouflage.</li> <li>2. Methods of camouflage of personnel and equipment.</li> <li>3. Disguising fortifications and objects based on the experience of the war with the Russian Federation.</li> </ol> <p><i>Independent work</i></p> <ol style="list-style-type: none"> <li>1. Purpose, technical characteristics and composition of sets of service engineering camouflage means.</li> <li>2. Purpose, technical characteristics, composition of personnel sets of anti-radar camouflage and concealment equipment.</li> </ol>
<b>Total for the topic</b>		<b>6</b>	<b>4</b>	<b>2</b>	

<b>Topic 3. Blasting operations.</b>					
5	Group Session	3	2	1	<p><b>Lesson 1: Destruction, basics of the fire method of detonating explosive charges. Basics of the electric method of detonating explosive charges.</b></p> <ol style="list-style-type: none"> <li>1. Classification of explosives.</li> <li>2. Purpose, technical characteristics and structure of fire detonation devices.</li> <li>3. Purpose, technical characteristics and design of electrical detonation devices.</li> <li>4. Purpose, technical characteristics of sapper wires and test equipment.</li> </ol> <p><i>Independent work</i></p> <ol style="list-style-type: none"> <li>1. Purpose and composition of the kit for preparation and conduct of blasting operations in the field.</li> <li>2. The Criminal Code of Ukraine on violation of the established rules for handling explosives and means of detonation.</li> <li>3. General requirements for safety measures during blasting operations.</li> </ol>
6	Group Session	3	2	1	<p><b>Lesson 2: Anti-tank mines.</b></p> <ol style="list-style-type: none"> <li>1. Purpose and classification of anti-tank mines.</li> <li>2. General design, technical characteristics, kit composition, procedure for installation and neutralisation (destruction) of TM-62 series anti-tank anti-track mines.</li> <li>3. Foreign-made anti-tank mines used by the Armed Forces of Ukraine.</li> </ol> <p><i>Independent work</i></p> <ol style="list-style-type: none"> <li>1. Purpose, technical characteristics, design, principle of operation, procedure for neutralisation (destruction) of MVCH-62 fuzes.</li> <li>2. Purpose, technical characteristics, design, principle of operation, procedure for neutralisation (destruction) of MVP-62 and MVP-62M fuzes.</li> </ol>
7	Group Session	4	2	2	<p><b>Lesson 3: Anti-personnel mines. Means and main types of mines that can be laid remotely.</b></p> <ol style="list-style-type: none"> <li>1. Purpose and classification of anti-personnel mines used in the war with the Russian Federation.</li> <li>2. General design, technical characteristics, principle of operation, procedure for laying and neutralising (destroying) anti-personnel mines.</li> <li>3. Foreign-made anti-personnel mines used by the Armed Forces of Ukraine</li> <li>4. Purpose, technical characteristics, design, principle of operation and procedure for defusing mines laid by remote mining systems.</li> </ol> <p><i>Independent work</i></p> <ol style="list-style-type: none"> <li>1. Methods of fixing minefields.</li> <li>2. Fill in the minefield fixation card.</li> </ol>

8	Practical Session	6	4	2	<p><b>Lesson 4. Making passages in minefields by explosive means.</b></p> <p>1. Overcoming minefield obstacles by non-standard demining teams (demining).</p> <p>2. The procedure for manufacturing ignition tubes.</p> <p>3. The procedure for detonating explosive charges by fire.</p> <p><i>Independent work</i></p> <p>1. Procedure for calculating the weight of explosives and their placement for making a passage in anti-tank non-explosive barriers.</p> <p>2. Procedure for calculating the weight of explosives and their placement for making a passage in anti-personnel non-explosive barriers.</p>
<b>Total for the topic</b>		<b>16</b>	<b>10</b>	<b>6</b>	
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>		<b>30</b>	<b>20</b>	<b>10</b>	

## 4.9. OP 1.9 "Organisation of Military Communications"

### **General objective of the educational programme component**

Training of a serviceman who knows the basics of unit management, the procedure for preparing and conducting modern combined arms combat using standard means of communication during the performance of service and combat missions in peacetime and wartime and is able to apply the acquired knowledge in practice.

As a result of studying the discipline, students should:

*to know:*

the procedure for using the latest means of communication;

tactical and technical characteristics of the main types of communications equipment;

the procedure for creating a unit management system in a modern combined arms battle, the principles of using communication means in the main types of combat, taking into account the use of electronic warfare by the enemy;

organising the management of a subordinate unit in preparation for and during a general combat using regular means of communication;

*be able to:*

organise communication with subordinate and interacting units in the main types of combat;

to carry out radio communications in radio networks and radio directions, to conduct official negotiations by means of communication in conditions of interference, to meet the requirements of radio masking, covert command and control of troops and ensure the security of communications;

Practical skills in working with standard and modern means of communication of the unit;

correctly apply the documents of covert (hidden) management of the unit.

### **Organisational and methodological guidelines**

The subject of the discipline is the theory and practice of organising military communications to control a unit during modern combined arms combat.

Group and practical exercises should be conducted to acquire practical skills in organising military communications using modern means of communication, using examples from the experience of the Russian-Ukrainian war.

Classes are held in specialised classrooms, training complexes, training grounds and campuses, training fields, which must be

equipped with the necessary stands, posters, simulators, computer equipment, etc. The educational material provided for studying during independent work is submitted for final control together with the educational material that is worked out in class under the guidance of a scientific and pedagogical employee.

During all forms of training, individual, group and frontal methods of knowledge control and active learning methods are used. The current control is carried out in the form of an oral survey or written express control during the training sessions.

### **Information and methodological support**

1. Doctrine. Communication and information systems. Kyiv: General Staff of the Armed Forces of Ukraine, 2020.
2. Doctrine of the Communications and Cyber Security Forces of the Armed Forces of Ukraine. Kyiv: General Staff of the Armed Forces of Ukraine, 2021.
3. Guideline "Tactical Communication" VKDP 6-110(03).01. Kyiv: General Staff of the Armed Forces of Ukraine, 2020.

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Fundamentals and methods of organising military communications in tactical command and control units.</b>					
1	Group Session	3	2	1	<p><b>Lesson 1: Fundamentals of radio communication. Conducting radio communication (radio exchange) in units. Field means of wire communication of tactical command and control units.</b></p> <p>1. General concepts of radio communication. Frequency ranges and the concept of electromagnetic wave propagation.</p> <p>2. Rules of radio communication, phonetic alphabet and numbers. The procedure for reporting on the situation, call signs.</p> <p>3. Purpose, composition and procedure for coding messages, orders using documents of covert management of units.</p> <p>4. Purpose, general structure and main specifications of TA-57 telephone set and P-193M field switchboard.</p> <p><i>Independent work:</i> Fundamentals of radio communication. Conducting radio communication (radio exchange) in units.</p> <p>1. Advantages and disadvantages of radio communication.</p> <p>2. Methods of radio wave propagation. Features of propagation of radio waves of the VHF and UHF ranges.</p> <p>Ways of organising radio communication.</p>
<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Topic 2 Tactical and technical characteristics, capabilities and modes of operation of basic communication equipment in units of the tactical command and control of the Armed Forces of Ukraine. Covert command and control of units.</b>					

2	Group Session	2	2		<p><b>Lesson 1: Tactical and technical characteristics, capabilities and modes of operation of the main radio communication equipment of tactical command and control units.</b></p> <p>1. Tactical and technical characteristics of Motorola radio stations DP 4800, DP 4400, DM 4600 (Lybid K-1A). Capabilities and modes of operation of DP 4800, DP 4400, DM 4600 (Lybid K-1A).</p> <p>2. The main tactical and technical characteristics and operating modes of HARRIS RF-7850M-HH radio stations.</p> <p>3. Options for using radio stations in tactical command and control units.</p>
3	Group Session	3	2	1	<p><b>Lesson 2: Tactical and technical characteristics and modes of operation of HARRIS ultra-shortwave radio stations. Preparation for the operation of satellite communication stations of tactical command and control units.</b></p> <p>1. Main tactical and technical characteristics and modes of operation of HARRIS RF-7850M-HH radio stations.</p> <p>2. The composition of the radio station. Controls of the radio station. Preparing the radio for operation.</p> <p>3. Main technical characteristics, procedure for setting up and masking the StarLink satellite communication station.</p> <p><i>Independent work:</i> Tactical and technical characteristics and modes of operation of HARRIS ultra-short-wave radio stations. Preparation for the operation of satellite communication stations of tactical command and control units.</p> <p>1. Application options for HARRIS RF-7850M-HH radios.</p> <p>2. The procedure for preparing the configuration and masking of the StarLink satellite communication station.</p>
4	Practical Session	3	2	1	<p><b>Lesson 3. Application of documents for covert command and control of units in planning and performing tasks in combat zones.</b></p> <p>1. Procedure for coding messages and orders using documents of covert management of subdivisions.</p> <p>2. Procedure for transmitting signals and commands by radio (situation report (SITREP), contact report (CONTACT REPORT), request for evacuation of the wounded (CASEVAC)).</p> <p><i>Independent work:</i> Application of documents for covert command and control of units in the planning and execution of tasks in combat zones.</p> <p>1. Procedure for coding messages and orders using documents of covert management of subdivisions.</p>
5	Practical Session	2	2		<p><b>Lesson 4. Work on communication means using documents of covert control of tactical command and control units.</b></p> <p>1. Work on radio communications, transfer of information using documents of covert command of units.</p> <p>2. Preparation for the operation and deployment of the StarLink satellite terminal, transmission of information to the Armed Forces command and control system via open communication channels.</p> <p>3. Preparation and operation of the TA-57 field telephone set and the P-193M field telephone switchboard.</p>
<b>Total for the topic</b>		<b>10</b>	<b>8</b>	<b>2</b>	
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>		<b>15</b>	<b>12</b>	<b>3</b>	

#### 4.10. EP 1.10 "Combat system of warrior survival (including tactical medicine)"

##### **General objective of the discipline**

Training of a serviceman who is able to provide first aid in case of injuries and traumas during the performance of official (combat) functions and tasks; apply techniques and methods of ensuring life support in autonomous conditions, counteracting the impact of natural factors on a person, moving on foot over long distances.

As a result of studying the discipline, students (trainees) should:

*to know:*

the most common causes and signs of injuries and traumas requiring first aid, the procedure and methods of providing first aid to the injured and affected;

the procedure for organising movement on the territory controlled by the enemy;

basic life support measures in autonomous conditions;

*be able to:*

provide first aid for wounds, bleeding, poisoning and other combat injuries using service equipment;

organise and equip locations for a small unit in the face of a possible encounter with the enemy;

take measures to counteract the impact of environmental conditions on the human body.

##### **Organisational and methodological guidelines**

Classes in the discipline should be conducted to acquire theoretical knowledge and practical skills of survival in various conditions, for further use of this experience in their service and combat activities.

Theoretical concepts are practiced in the classroom with the use of teaching aids (posters, diagrams, models, training films), and practical issues are practiced on the ground using individual medical equipment and first aid equipment.

Classes are held in specialised classrooms, training complexes, laboratories, training grounds and campuses, training fields, etc.

##### **Information and methodological support**

1. Combat system of warrior survival. Study guide / Shkurpit O.M., Felko M.V., Bachynskyi V.V. Odesa: VA m. Odesa, 2018.

2. TCCC Combat Life Saver (TCCC CLS). Observations, Insights and Lessons. Handbook. 2020.

3. Standard of Individual Training STI-000G.21L "Tactical Medicine", approved by the Order of the Commander of the Medical Forces of the Armed Forces of Ukraine No. 121 dated 28.12.2023.

4. Medical support. Requirements for training of all military personnel in combat casualty care (STANAG 2122/AMedP-8.15, "REQUIREMENT FOR TRAINING IN CASUALTY CARE FOR ALL MILITARY PERSONNEL", IDT).

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1. Fundamentals of providing assistance to victims of hostilities. Assisting victims in the area of direct threat</b>					
1	Lecture	1	1	-	<b>Lesson 1: First aid measures in combat conditions. Means of individual medical equipment of a serviceman.</b> 1. Principles and algorithm of providing first aid to victims of hostilities. 2. The role and responsibility of non-medical personnel in providing assistance to victims of hostilities. 3. Means of individual medical equipment of a serviceman.
2	Group Session	2	1	1	<b>Lesson 2. Measures of first aid in combat conditions. Means of individual medical equipment of a serviceman.</b> 1. Principles and algorithm of providing first aid to victims of hostilities. 2. Means of individual medical equipment of a serviceman. <i>Independent work.</i> 1. Definition and objectives of tactical medicine. 2. Fundamentals of normal human anatomy and physiology. 3. Composition and purpose of individual and group medical first aid kits. 4. Algorithm for providing assistance to a victim of MARCH PAWS.

3	Practical Session	3	2	1	<p><b>Lesson 3: Providing assistance to victims in the area of direct threat.</b></p> <ol style="list-style-type: none"> <li>1. Basics of communication with the victim and ways to approach him/her.</li> <li>2. Stop massive bleeding from the extremities using a mechanical haemostatic device (collar type).</li> </ol> <p><b>Independent work.</b></p> <ol style="list-style-type: none"> <li>1. Basic action plan and safety rules for working in conditions of direct threat (under enemy fire).</li> <li>2. Algorithm of actions when applying a mechanical haemostatic agent (collar type).</li> <li>3. Signs of massive bleeding.</li> </ol>
4	Practical Session	3	2	1	<p><b>Lesson 3: Moving the victim to a shelter.</b></p> <ol style="list-style-type: none"> <li>1. Moving the victim out of the immediate threat zone independently without the use of additional equipment.</li> <li>2. Moving (dragging, carrying) the victim out of the immediate threat zone in a group without the use of additional equipment.</li> <li>3. Extracting the victim from the vehicle (combat vehicle, car, etc.).</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Ways to move the victim out of the immediate threat zone without using regular and improvised means.</li> <li>2. Methods of moving (dragging, carrying) the victim out of the area of direct threat in a group without the use of additional equipment.</li> <li>3. Rules for extracting a victim from a vehicle (combat vehicle, car, etc.).</li> </ol>
<b>Total for the topic</b>		<b>9</b>	<b>6</b>	<b>3</b>	
<b>Topic 2. Assisting victims in the area of indirect threat</b>					
5	Practical Session	3	2	1	<p><b>Lesson 1: Basics of providing assistance in an area of indirect threat.</b></p> <ol style="list-style-type: none"> <li>1. Fundamentals of providing assistance in an area of indirect threat (equipment, safety rules, communication, triage).</li> <li>2. Fundamentals of assessment of victims in the area of indirect threat (principles, assessment of the status of consciousness, pulse and respiratory rate, communication with the victim and his/her isolation).</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Algorithm for providing assistance to a victim of MARCH PAWS.</li> </ol>

6	Practical Session	2	2	<p><b>Lesson 2: Assisting victims with massive bleeding - M (Massive bleeding).</b></p> <ol style="list-style-type: none"> <li>1. Examine the wounded for massive bleeding.</li> <li>2. Application of indirect pressure on blood vessels.</li> <li>3. Applying direct pressure to the vessels.</li> <li>4. The use of gate-type turnstiles for limbs with a ratchet mechanism.</li> <li>5. Performing tamponade using haemostatic and conventional means. Reassess the effectiveness of tamponade.</li> <li>6. Application of compression bandages.</li> </ol>
7	Practical Session	3	2	<p><b>Lesson 3: Assistance in case of obstruction of the upper airway - A (Airways).</b></p> <ol style="list-style-type: none"> <li>1. Manual restoration of airway patency.</li> <li>2. Determining the presence of breathing (the "Hear-See-Feel" method).</li> <li>3. Place the victim in a stable lateral position.</li> <li>4. Restoration of airway patency in case of suspected cervical spine injury.</li> <li>5. Manual removal of foreign bodies from the oral cavity.</li> <li>6. Insertion of a nasopharyngeal airway.</li> <li>7. Artificial lung ventilation using a ventilation bag with a mask alone or in a team.</li> <li>8. State of consciousness on the AVPU scale.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Structure of the human upper respiratory tract.</li> <li>2. Signs of upper airway obstruction and emergency respiratory care "Tactical First Aid" (TFA).</li> <li>3. Selection of a nasopharyngeal airway (NPA).</li> <li>4. State of consciousness on the AVPU scale.</li> </ol>

8	Practical Session	3	2	1	<p><b>Lesson 4. Providing assistance using the MARCH algorithm. Assessment of breathing and life-threatening chest injuries - R (Respiration).</b></p> <ol style="list-style-type: none"> <li>1. Types and symptoms of chest injuries.</li> <li>2. Assessment of breathing rate and depth.</li> <li>3. The procedure and sequence of chest examination.</li> <li>4. The procedure for using occlusal stickers.</li> <li>5. Conducting the "venting" depressurisation technique (Burping technique).</li> <li>6. The procedure for needle decompression.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Structure of the human chest.</li> <li>2. Identification of signs of tension pneumothorax.</li> </ol>
9	Practical Session	4	2	2	<p><b>Lesson 5. Providing assistance using the MARCH algorithm. Circulation - C (Circulation).</b></p> <ol style="list-style-type: none"> <li>1. Immobilisation of the pelvic bones.</li> <li>2. Assessment of radial pulse and level of consciousness.</li> <li>3. Conversion and relocation of the turnstile.</li> <li>4. Control (reassessment) of external and internal bleeding and search for other injuries (wounds).</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Reassessment of massive bleeding control.</li> <li>2. Signs of a pelvic fracture.</li> <li>3. Symptoms of hypovolemic (haemorrhagic) shock. The lethal triad.</li> </ol>
10	Practical Session	2	2		<p><b>Lesson 6. Providing assistance using the MARCH algorithm. Hypothermia - H (Hypothermia).</b></p> <ol style="list-style-type: none"> <li>1. Use of various types of thermal blankets and heating elements. Prevention of hypothermia.</li> <li>2. Examination and assessment of a victim with suspected head and eye injuries.</li> <li>3. Provide pre-hospital care in case of suspected head and eye injuries.</li> </ol>

11	Group Session	3	2	1	<p><b>Lesson 7. Thermal injuries. Fractures. Use of painkillers and antibiotics. Wounds.</b></p> <ol style="list-style-type: none"> <li>1. The procedure for providing pre-hospital care to victims with thermal injuries.</li> <li>2. Immobilisation of limbs, neck, spine.</li> <li>3. Applying a bandage when fixing foreign bodies in the victim's body.</li> <li>4. Applying a bandage to the amputated part of the limb, packing the amputated part of the limb.</li> <li>5. Wound assessment and dressing.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Degrees and types of thermal injuries and methods of calculating their area.</li> <li>2. Procedure for examination and assessment of a victim with suspected musculoskeletal injuries, types of musculoskeletal injuries.</li> <li>3. The concept and contents of the individual pill kit (CWMP), the main types of painkillers and antibiotics.</li> </ol>
<b>Total for the topic</b>		<b>20</b>	<b>14</b>	<b>6</b>	
<b>Topic 3. Sorting, moving and preparing for evacuation. Evacuation transport</b>					
12	Group Session	2	2		<p><b>Lesson 1: Triage in case of mass casualties. Sorting the wounded by evacuation priority.</b></p> <ol style="list-style-type: none"> <li>1. Maintaining sorting documentation.</li> <li>2. Sorting algorithms and categories.</li> </ol>
13	Group Session	3	2	1	<p><b>Lesson 2: Moving and preparing for evacuation.</b></p> <ol style="list-style-type: none"> <li>1. Loading victims into/on various types of transport.</li> <li>2. Securely securing the wounded for transport.</li> <li>3. Give a verbal report.</li> <li>4. Filling out a victim card.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Types of equipment for moving victims.</li> <li>2. Types of land and air transport for evacuation of victims.</li> </ol>
14	Group Session	4	4	-	<p><b>Lesson 3: Simulation exercises.</b></p> <ol style="list-style-type: none"> <li>1. Rehearse a scenario for assisting a victim with different types of injuries.</li> <li>2. Summing up the results.</li> </ol>
<b>Total for the topic</b>		<b>9</b>	<b>8</b>	<b>1</b>	
<b>Topic 4. Fundamentals of the combat system of survival of warriors.</b>					

15	Lecture	4	2	2	<p><b>Lesson 1: The basics of survival.</b></p> <p>1. The concepts of survival and autonomous existence. Factors affecting human survival.</p> <p>2. Purpose and composition of the emergency kit and emergency bag.</p> <p><i>Independent work.</i></p> <p>1. Equipment and options for equipment tiering.</p> <p>2. Methods and means of signalling.</p>
16	Group Session	4	2	2	<p><b>Lesson 2: Catering and water supply.</b></p> <p>1. Methods of cooking and storing food in the field. Use of natural resources for food.</p> <p>2. Finding water sources, water purification and disinfection.</p> <p>3. Methods of obtaining and preserving fire. Fire for cooking.</p> <p><i>Independent work.</i></p> <p>1. Recommendations for compliance with the drinking regime.</p> <p>2. Types of bonfires and their purpose.</p>
17	Practical Session	4	2	2	<p><b>Lesson 3: Basics of survival. The basics of rational nutrition and water supply.</b></p> <p>1. Finding water sources, water purification and disinfection.</p> <p>2. Fire production and fire preservation.</p> <p>3. Preparation and storage of food in the field. Use of natural resources for food.</p> <p><i>Independent work.</i></p> <p>1. Equipment and options for echeloning the serviceman's equipment.</p> <p>2. Modern mandatory items of personal equipment for servicemen.</p> <p>3. Principles of preparing and completing a survival kit. Typical composition of an individual survival kit.</p>
18	Group Session	3	2	1	<p><b>Lesson 4. The basics of moving and studying tracks on the ground.</b></p> <p>1. Organisation of movement in the territory controlled by the enemy.</p> <p>2. Procedure for movement and actions when encountering the local population and the enemy.</p> <p>3. Study of footprints of people and equipment, determination of the age of the trail and the troops' camping.</p> <p><i>Independent work.</i></p> <p>1. Organisation of movement on the ground. Marching order during movement.</p> <p>2. Rules of the tracker.</p>

19	Group Session	2	1	1	<p><b>Lesson 5. Orientation when operating in enemy-controlled territory.</b></p> <p>1. Orientation in space and time.  2. Determine the direction and follow it while driving.  3. Methods of determining distances on the ground.  4. Ways to determine the linear dimensions of local objects (landmarks).</p> <p><i>Independent work.</i></p> <p>1. Practically solve problems of determining the local time by the celestial bodies.  2. Practically solve problems of determining distances on the ground and linear dimensions of objects.</p>
20	Group Session	2	1	1	<p><b>Lesson 6. Organisation of recreation in the territory controlled by the enemy.</b></p> <p>1. Requirements for places of rest, arrangement of shelter in different conditions. Organisation of rest.  2. Actions in the conditions of enemy use of sniffer dogs.</p> <p><i>Independent work. Arranging a shelter, ensuring the safety of the resting place.</i></p> <p>1. Ensuring the safety of the recreation area.  2. Practice the types of shelter using the equipment and tools at hand.</p>
<b>Total for the topic</b>		<b>19</b>	<b>10</b>	<b>9</b>	
<b>Control measures</b>		<b>3</b>	<b>2</b>	<b>1</b>	<b>Credit</b>
<b>Total for the educational component</b>		<b>60</b>	<b>40</b>	<b>20</b>	

#### 4.11. GP 1.11 "Statutes of the Armed Forces of Ukraine and their practical application"

##### **General objective of the educational programme component**

Training of a serviceman who has theoretical knowledge and practical skills and is able to establish a firm order in subordinate units, give uniform instructions on training and education of servicemen, clearly define the range of duties of soldiers and the procedure for their performance.

As a result of studying the discipline, students should:

*to know:*

requirements of the statutes of the Armed Forces of Ukraine;  
general duties, rights and responsibilities of military personnel;  
organisation of internal order in the unit;  
the procedure for organising internal service in the unit (platoon, company);  
the procedure for organising the training of the personnel of the daily patrol assigned from the unit;  
the rights of the unit commander to apply incentives and impose disciplinary sanctions on subordinate servicemen;  
Methods of conducting drill classes and the Statutes of the Armed Forces of Ukraine;

*be able to:*

personally comply with the requirements of the Statutes of the Armed Forces of Ukraine;  
apply the requirements of the Statutes of the Armed Forces of Ukraine in the daily activities of the unit;  
organise the accommodation of personnel in compliance with the requirements of the statutes and internal regulations;  
organise the performance of service by the unit's personnel in daily patrols;  
ensure the safe storage of weapons and ammunition;  
exercise disciplinary power, correctly apply disciplinary measures (rewards, penalties) to subordinate servicemen;  
conduct drill training and study of the Statutes of the Armed Forces of Ukraine with the personnel of the unit;  
correctly perform elements of drill training in everyday activities.

Logistical support: classrooms, a training ground, a guardhouse, multimedia equipment.

##### **Information and methodological support**

1. Statute of the Internal Service of the Armed Forces of Ukraine.
2. Disciplinary Statute of the Armed Forces of Ukraine.
3. The Charter of the Garrison and Guard Services of the Armed Forces of Ukraine.
4. The Articles of Arms of the Armed Forces of Ukraine.
5. Standard of individual training in the subject of study "Statutes of the Armed Forces of Ukraine" (introductory course),

STI 000G.17L.

6. Standard of individual training in the subject of drill (course of study of actions as part of a squad (platoon), STI 000G.29L.

### Titles of topics and distribution of study time by type of class

№ s/n	Types training classes, control events	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Duties, rights and responsibilities of military personnel.</b>					
1	Lecture	1	1		<b>Lesson 1: Responsibilities of the command team officials.</b> 1. Duties of the platoon leader. 2. Distribution of authority at the platoon level between the officer and the NCO.
<b>Total for the topic</b>		<b>1</b>	<b>1</b>		
<b>Topic 2. Military discipline</b>					
2	Lecture	1	1		<b>Lesson 1: Incentives and disciplinary sanctions applied and imposed on military personnel.</b> 1. Incentives applicable to military personnel. 2. Disciplinary sanctions imposed on military personnel.
<b>Total for the topic</b>		<b>1</b>	<b>1</b>		
<b>Topic 3. Daily routine of a military unit.</b>					
3	Lecture	3	2	1	<b>Lesson 1: Daily routine, preparation and reconnaissance.</b> 1. Daily duty, the procedure for assigning duty and reporting on them. 2. Preparation and reconnaissance of the daily patrol. 3. Equipment of premises (places) for duty by the daily squad. <i>Independent work.</i> 1. Study of the duties of the persons on duty (day watch and company watch).

<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Topic 4. Organisation of the guard service.</b>					
4	Lecture	2	2		<b>Lesson 3: Rights and duties of guard officials.</b> 1. Duties of guard officials. 2. Procedure for the use of physical force and weapons by guard personnel.
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 5. Drill training</b>					
5	Practical Session	1	1		<b>Lesson 1: Formations and their management.</b> 1. The line and its elements. Formation management and the order of giving commands. 2. Duties of servicemen before lining up and in formation. 3. Signals for formation control and machine control.
6	Practical Session	1	1		<b>Lesson 2. Drill techniques and movement without weapons.</b> 1. 1. The combat position. Execution of commands: "Halt", "Stand at attention", "Attention", "At ease", "Get in line", "Headgear - take off (put on)". 2. Turns in place and while driving. 3. Movement in formation and marching steps, running.
7	Practical Session	1	1		<b>Lesson 3: Getting out of line, getting back into line. Approaching and departing from a superior.</b> 1. Withdrawal from deployed formation and return to formation. 2. Withdrawal from the marching formation and return to the formation. 3. Approaching and departing from the boss.
8	Practical Session	2	2		<b>Lesson 4. Drill techniques and movement with weapons.</b> 1. The order of execution of commands: "STAND STILL", "ATTENDANCE", "AT EASE", "HATS OFF (ON)" with weapons in the "ON THE STRAP", "BEHIND THE BACK" and "ON THE BREAST" positions, "BELT LOOSEN (TIGHTEN)" as assigned. 2. Position of the weapon when moving "ON THE ROAD", "FOR PATROL", "DURING PATROL IN A POPULATED AREA". 3. Procedure and execution of drills "Weapon on re - ME", "Rifle on - chest", "Weapon - behind the back".

9	Practical Session	1	1		<b>Lesson 5. Drill techniques and movement with weapons.</b> 1. Drills with weapons: "Put down - WEAPON", "To - WEAPON", "Behind - WEAPON" by distributions. 2. Performing drills with weapons: "Put down - WEAPON", "To - WEAPON", "Behind - WEAPON" in general. 3. Performing a military salute with weapons on the spot and in motion.
<b>Total for the topic</b>		<b>6</b>	<b>6</b>		
<b>Control measures</b>		<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>		<b>15</b>	<b>14</b>	<b>1</b>	

#### 4.12. OP 1.12 "Small arms and firearms training"

##### **General objective of the educational programme component**

Training of a serviceman who is able to use small arms, grenade launchers, be able to fire them, and control platoon fire in various types of combat in order to perform assigned combat tasks.

As a result of studying the discipline, students (trainees) should:

*to know:*

purpose, tactical and technical characteristics, combat properties, general structure, principle of operation, procedure for incomplete disassembly and assembly after incomplete disassembly, as well as the procedure for post-firing maintenance of the unit's standard weapons;

the procedure for observing the battlefield and selecting a target, initial settings for each type of weapon, the procedure for conducting and adjusting fire, and methods of targeting;

the basics of fire control and the procedure for setting fire missions for the unit;

the procedure for using night sights and surveillance devices;

safety measures when handling small arms and grenades;

*be able to:*

use regular weapons;

conduct combat checks and bring the weapon to normal combat at different distances;

use lighted reactive, signal cartridges and signal pistols.

##### **Organisational and methodological guidelines**

The training is conducted at firing ranges and sites. Prior to the practical training, it is mandatory to study the safety measures and clarify (refine) them before the start of the training. Personnel arrive for practical training in full field equipment with weapons.

During practical training, the purpose, combat properties and structure of weapons, ammunition, aiming and observation devices, as well as the basics and rules of shooting are studied.

During firearms training, skills are developed and improved in handling weapons (firing techniques), reconnaissance of targets by observation, determination of their range and targeting.

The firing exercises shall be conducted in accordance with the Course of Fire from Small Arms and Combat Vehicles. During

firing exercises, use elements of psychological impact on the trainees, namely firing blank ammunition behind the firing party and using explosive packages at safe distances.

### **Information and methodological support**

1. Small arms and combat vehicle firing course. Order of the General Staff of the Armed Forces of Ukraine of 17 April 2018, no. 160.
2. Collection of Standards for Combat Training of the Land Forces of the Armed Forces of Ukraine - Kyiv: Military Publishing House, 2021.
3. Manual of fire 5.45 mm Kalashnikov rifles (AK-74, AKS-74, AK-74N, AKS-74N) and 5.45 mm Kalashnikov machine guns (RPK-74, RPK-74N, RPK-74N). VKDP 7-00(01).01.
4. Manual on shooting 7.62 mm Kalashnikov machine guns KK, KKM, KKS, KKMS, KKB, KKMB, KKT". VKDP 7-00(01).01.
5. RPG-7B (RPG-7D) Hand-held Anti-Tank Grenade Launcher Manual. VKDP 7-01(03-05, 22, 23)03.01.
6. Manual. On the use of foreign-made weapons in the Armed Forces of Ukraine (instructions for use). Part 1 (small arms). VP 7-(01).03.01.
7. Manual. On the use of foreign-made weapons in the Armed Forces of Ukraine (instructions for use). Part 2 (anti-tank weapons). VP 7-(01).03.01.
8. Handbook for the commander of a mechanised unit. VP 7-00(11).01.

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Arming units.</b>					
1	Lecture	4	2	2	<p><b>Lesson 1. General concepts of small arms.</b></p> <ol style="list-style-type: none"> <li>1. The main tasks and procedure for studying the discipline.</li> <li>2. The purpose of modern small arms and melee weapons.</li> <li>3. Design properties of small arms and melee weapons.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Classification of small arms.</li> <li>2. Learn the basics and rules of shooting.</li> </ol>
2	Group Session	3	2	1	<p><b>Lesson 2: 5.45 mm RPK-74 machine gun.</b></p> <ol style="list-style-type: none"> <li>1. Purpose, combat characteristics, general structure of the RPK-74 machine gun, completeness, operation of parts and mechanisms of the standard weapon. Ammunition, spare parts and accessories.</li> <li>2. The procedure for incomplete disassembly of weapons and assembly after incomplete disassembly. Maintenance of weapons.</li> <li>3. Checking the combat and bringing the RPK-74 machine gun back to normal.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Preparing the RPK-74 machine gun for firing.</li> </ol>

3	Group Session	3	2	1	<p><b>Lesson 3. 7.62 mm PKM (PK) machine gun.</b></p> <p>1. Purpose, combat characteristics, general structure of the PKM (PC) machine gun. Completeness, ammunition. spare parts and accessories.</p> <p>2. The procedure for incomplete disassembly of weapons and assembly after incomplete disassembly. Maintenance of weapons.</p> <p>3. Check the combat and bring the PKM (PKT) machine guns back to normal.</p> <p><i>Independent work.</i></p> <p>1. Possible delays in firing and how to eliminate them.</p>
4	Group Session	3	2	1	<p><b>Lesson 4. Service pistols.</b></p> <p>1. Purpose, combat properties, general structure, operation of parts and mechanisms of service pistols. Ammunition, spare parts and accessories.</p> <p>2. The procedure for incomplete disassembly of weapons and assembly after incomplete disassembly. Maintenance of weapons.</p> <p><i>Independent work.</i></p> <p>1. Possible delays in firing and how to eliminate them.</p>
5	Group Session	4	3	1	<p><b>Lesson 5. 40 mm RPG-7V (RPG-7D) hand-held anti-tank grenade launcher. RPG-18 rocket-propelled grenades.</b></p> <p>1. Purpose, combat capabilities, general structure and procedure for use of the RPG-7.</p> <p>2. The procedure for incomplete disassembly and assembly of the RPG-7.</p> <p>3. Purpose, combat properties, general structure of RPG-7 rounds and RPG-18, RPG-22, 26 grenades.</p> <p><i>Independent work.</i></p> <p>1. Preparing the RPG-7B (RPG-7D) grenade launcher for firing.</p>
6	Group Session	2	2	-	<p><b>Lesson 6. Small arms and grenade launchers of the leading countries of the world.</b></p> <p>1. NATO rifles, machine guns and grenade launchers.</p> <p>2. Purpose, general structure, principle of operation of the AR-15 platform.</p> <p>3. Procedure for incomplete disassembly of the weapon and assembly after incomplete disassembly.</p>

7	Group Session	3	2	1	<b>Lesson 7. Checking the combat and bringing small arms to normal combat.</b> 1. Check the combat and bring the weapon to normal combat at different distances. 2. Combat checks and bringing the weapon to normal operation of NATO small arms. <i>Independent work.</i> 1. Improving the skills of bringing weapons to normal combat.
<b>Total for the topic</b>		<b>22</b>	15	7	

<b>Topic 2. The basics of shooting.</b>					
8	Group Session	3	2	1	<b>Lesson 1: Internal and external ballistics.</b> 1. Information on internal and external ballistics. 2. Explosives. Main groups of explosives. 3. Shot periods. 4. Measurement of angles, formula for the thousandth. <i>Independent work.</i> 1. Learn the basic concepts of internal and external ballistics.
<b>Total for the topic</b>		<b>3</b>	2	1	

<b>Topic 3. Rules of shooting.</b>					
9	Group Session	4	2	2	<b>Lesson 1: Rules of small arms fire.</b> 1. Rules for choosing a sight and aiming point when shooting small arms at targets. 2. Influence of firing conditions on the flight of a bullet. Determination of corrections for deviations from normal (tabulated) firing conditions. 3. Composition, purpose of KJ-83, KJ-2017 and the procedure for their application. <i>Independent work.</i> 1. Resolving fire tasks.
10	Group Session	4	2	2	<b>Lesson 2: Rules of fire from the 40-mm RPG-7V (RPG-7D) anti-tank grenade launcher.</b> 1. Rules for assigning initial settings. 2. Rules of fire from the 40-mm RPG-7V (RPG-7D) anti-tank grenade launcher against moving and emerging targets. <i>Independent work.</i> 1. Field rules of fire from the 40-mm RPG-7V (RPG-7D) anti-tank grenade launcher.
11	Group Session	2	2		<b>Lesson 3: Fire mission. Its essence and sequence of solution.</b> 1. General information about shooting from different types of weapons. 2. Elements of solving a fire mission. 3. 3. Direct shooting training.

<b>Total for the topic</b>	<b>10</b>	<b>6</b>	<b>4</b>	
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<b>Topic 4. Methodological training of unit commanders.</b>					
12	Group Session	4	2	2	<b>Lesson 1: Methods of conducting firearms training.</b> 1. General requirements, methods and forms of firearms training. 2. Organisation and procedure of fire training. 3. Assessment of firearms training. <i>Independent work.</i> 1. Procedure for working on teaching and training cards.
13	Practical Session	2	2		<b>Lesson 2: Organising and conducting control firearms training sessions.</b> 1. The procedure for organising control classes. 2. The procedure for conducting control classes.
<b>Total for the topic</b>		<b>6</b>	<b>4</b>	<b>2</b>	
<b>Topic 5. Fire training. Performing firing exercises with small arms and melee weapons.</b>					
14	Group Session	2	2		<b>Lesson 1: Basic provisions of the Small Arms and Combat Vehicle Shooting Course, shooting conditions and safety measures.</b> 1. Basic provisions of the Small Arms and Combat Vehicle Shooting Course. 2. Conditions for firing exercises and safety measures.
15	Practical Session	2	2		<b>Lesson 2: Maintenance, preparation of machine guns (5.45 mm RPK-74 machine gun, 7.62 mm PKM (PC) machine gun) and 40 mm RPG-7 grenade launcher for firing. Fulfilment of fire training standards. Solving fire tasks.</b> 1. Maintenance, preparation of machine guns (5.45 mm RPK-74 machine gun and 7.62 mm PKM (PC) machine gun) for firing. 2. Maintenance and preparation of a 40 mm RPG-7 grenade launcher for firing. 3. Fulfilment of fire training standards No. 13, 14, 16 for machine guns and 40 mm RPG-7 grenade launcher.
16	Practical Session	7	6	1	<b>Lesson 3: Exercises on firing from the 5.45 mm AK-74 rifle, 40 mm RPG-7 grenade launcher (PUS-7), throwing a hand-held training grenade.</b> 1. Execution of the training exercise KC 2.01.1.1 "Shooting from a standstill at emerging targets" with the 5.45 mm AK-74 rifle. 2. Execution of the initial firing exercise KC 1.06.1.1 "Shooting from a standstill at a stationary target with PUS-7" from a 40 mm RPG-7 grenade launcher. 3. Performing the initial training grenade throwing exercise KC 4.16.2.6 "Throwing an offensive hand grenade on the move in foot order". 4. Practicing firearms training standards No. 1 and 2 for the 5.45 mm AK-74 rifle and 40 mm RPG-7 grenade launcher. <i>Independent work.</i> 1. Servicing the weapon after firing.

17	Night Practical Session	5	4	1	<p><b>Lesson 4. Practical shooting with 5.45 mm AK-74 at night.</b></p> <p>1. Execution of the training exercise KC 2.01.1.1 "Shooting from a standstill at emerging targets" with the 5.45 mm AK-74 rifle at night.</p> <p>2. Practicing firearms training standards No. 1, 2 and the procedure for aiming at night using a device for night shooting with a 5.45 mm AK-74 rifle.</p> <p>3. Rules for the use of illuminated reactive, signal cartridges and signal pistols. Procedure for the use of night sights and surveillance devices.</p> <p><i>Independent work.</i></p> <p>1. Servicing the weapon after firing.</p>
18	Methodical Practical Session	7	6	1	<p><b>Lesson 5. Exercise firing drills with 5.45 mm AK-74 rifle, RPK-74 machine gun, 40 mm RPG-7 grenade launcher.</b></p> <p>1. Execution of the training exercise KC 2.01(03-04).1.1 "Shooting from a standstill at emerging targets" with the 5.45 mm AK-74 rifle and RPK-74 machine gun at the positions in the combined rifle squads.</p> <p>2. Execution of the KC 2.06(07).1.1 "Shooting from a standstill at an emerging target" and the KC 1.06.1.1 "Shooting from a standstill at a stationary target with PUS-7" from a 40 mm RPG-7 grenade launcher.</p> <p>3. Practicing fire training standards No. 1, 2 for the 40 mm RPG-7 grenade launcher and fire training standards No. 26, 27, 28, 29 for the 5.45 mm AK-74 rifle.</p> <p>4. Training in performing the duties of a rifle squad commander in organising and controlling squad fire</p> <p><i>Independent work.</i></p> <p>1. Servicing the weapon after firing.</p>

19	Practical Session	7	6	1	<p><b>Lesson 6. Exercise control firing from a 5.45 mm AK-74 rifle (RPK-74 machine gun) and a 40 mm RPG-7 grenade launcher.</b></p> <p>1. Execution of the control firing exercise KC 3.01.1.1 "Shooting from a standstill at emerging targets with a change of firing position" with the 5.45 mm AK-74 rifle by positions in combined rifle squads.</p> <p>2. Execution of the control firing exercise KC 3.06.2.1 "Shooting from a fixed position with a change of firing position at emerging and moving targets with RPGs" by positions in combined rifle squads.</p> <p>3. Training in performing the duties of a rifle squad commander in organising and managing squad fire.</p> <p><i>Independent work.</i></p> <p>1. Servicing the weapon after firing.</p>
20	Practical Session	7	6	1	<p><b>Lesson 7. Execution of combat firing exercises of combat groups (twos, threes) with an assault rifle, a handgun, a machine gun and an under-barrel grenade launcher.</b></p> <p>1. Execution of the live-fire exercise KC 6.18.2.2 "Firing as part of a machine gun crew".</p> <p>2. Execution of the live-fire exercise KC 6.18.2.3 "Firing as part of a combat team in various ways" with the 5.45 mm AK-74 rifle.</p> <p>3. Practicing firearms training standards No. 30, 31, 32, 33 with the 5.45 mm AK-74 rifle.</p> <p>4. Solving firing tasks.</p> <p><i>Independent work.</i></p> <p>1. Servicing the weapon after firing.</p>
21	Practical Session	6	4	2	<p><b>Lesson 8. Performing training firing from a 9 mm PM and Fort-14 pistol.</b></p> <p>1. Execution of the training exercise KC 2.12.1.1 "Shooting at a stationary target" with the 9 mm PM pistol and Fort-14.</p> <p>2. Training in the implementation of firearms training standards No. 13, 14, 16 for the 9 mm PM pistol. Safety measures during practical shooting.</p> <p>3. Fulfilment of firearms training standards No. 1, 2, 24, 25 for the 9 mm PM pistol and Fort-14</p> <p><i>Independent work.</i></p> <p>1. Servicing the weapon after firing.</p>
<b>Total for the topic</b>		<b>43</b>	<b>37</b>	<b>6</b>	
<b>Control measures</b>		<b>6</b>	<b>4</b>	<b>2</b>	<b>Credit</b>
<b>Total for the</b>		<b>90</b>	<b>68</b>	<b>22</b>	

<b>educational component</b>				
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#### **4.13. gm 1.13 "Fundamentals of Military Law and International Humanitarian Law"**

##### **General objective of the educational programme component**

To prepare a serviceman who is able to apply knowledge of international humanitarian law; understand the procedure for military service, bringing servicemen to criminal, administrative and material responsibility; know the procedure for conducting an internal investigation in the Armed Forces of Ukraine; social and legal protection of servicemen and their families within the framework of the current legislation of Ukraine.

As a result of studying the discipline, students should:

*to know:*

the procedure for military service;

social and legal protection of military personnel and their families;

the procedure for bringing servicemen to administrative responsibility;

the procedure for bringing military personnel to financial responsibility;

the procedure for bringing military personnel to criminal liability;

the procedure for conducting an internal investigation in the Armed Forces of Ukraine;

requirements of international humanitarian law;

*be able to:*

conduct an internal investigation with the preparation of all necessary documents;

draw up a report on a military administrative offence;

to bring violators of military discipline in the unit to disciplinary, administrative and financial responsibility;

manage the unit in compliance with international humanitarian law.

##### **Organisational and methodological guidelines**

The subject of the discipline is the theory of studying the legislation of Ukraine and the practical application of its requirements during military service.

Lectures and practical classes should be conducted with the aim of consolidating and deepening theoretical knowledge, as well as instilling in students the skills of using theoretical provisions in solving specific practical problems. In practical classes, it is advisable to practice using tasks that require logical thinking and promote the development of students' creative abilities.

### **Information and methodological support**

1. The Constitution of Ukraine.
2. On Military Duty and Military Service. Law of Ukraine, 1992 (as amended).
3. Regulations on the Military Service of Citizens of Ukraine in the Armed Forces of Ukraine. Decree of the President of Ukraine, 2022.
4. On Social and Legal Protection of Servicemen and Members of Their Families. Law of Ukraine, 1991 (as amended).
5. Statute of the Internal Service of the Armed Forces of Ukraine.
6. Disciplinary Statute of the Armed Forces of Ukraine.
7. Code of Ukraine on Administrative Offences.
8. On the Status of War Veterans and Guarantees of Their Social Protection. Law of Ukraine, 1993 (as amended).
9. Instruction on the Procedure for the Implementation of International Humanitarian Law in the Armed Forces of Ukraine.

Approved by the Order of the Ministry of Defence of Ukraine of 23.03.2017 No. 164.

10. The Procedure for Conducting an Internal Investigation in the Armed Forces of Ukraine, approved by Order of the Ministry of Defence of Ukraine No. 608 dated 21.11.2017 (registered with the Ministry of Justice of Ukraine on 13.12.2017 under No. 1503/31371).

11. Methodological Recommendations on Conducting an Internal Investigation (Inspection) in the Armed Forces of Ukraine (third edition), approved by the Commander-in-Chief of the Armed Forces of Ukraine on 10.2020.

## Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Military duty and military service.</b>					
1	Lecture	2	2	1	<p><b>Lesson 1: The procedure for military service. Social and legal protection of servicemen and their families</b></p> <p>1. Types of military service. Peculiarities of military service by different categories of servicemen in peacetime and wartime.</p> <p>2. The concept of the right to social protection. Benefits for servicemen and members of their families</p> <p><i>Independent work.</i></p> <p>1. Peculiarities of military service by persons called up for mobilisation.</p> <p>2. Age limit for military service under martial law.</p>
<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Topic 2. Legal responsibility of military personnel.</b>					
2	Group Session	2	2		<p><b>Lesson 1: Administrative and material responsibility of military personnel.</b></p> <p>1. Peculiarities of administrative responsibility of military personnel.</p> <p>2. Legal characteristics of military administrative offences.</p> <p>3. The concept and grounds of liability.</p> <p>4. Types of material liability. The procedure for compensation for material damage.</p>

3	Lecture	3	2	1	<p><b>Lesson 2: Criminal liability of military personnel.</b></p> <ol style="list-style-type: none"> <li>1. Peculiarities of criminal liability of military personnel.</li> <li>2. The concept, composition and types of military criminal offences.</li> <li>3. Criminal law characteristics of certain military criminal offences.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Physical or mental coercion.</li> <li>2. Execution of a lawful order or instruction.</li> <li>3. An act involving risk.</li> </ol>
<b>Total for the topic</b>		<b>5</b>	<b>4</b>	<b>1</b>	
<b>Topic 3. Service inspection and service investigation in the Armed Forces of Ukraine.</b>					
4	Practical Session	2	2		<p><b>Lesson 1: Methods of conducting an internal audit and internal investigation.</b></p> <ol style="list-style-type: none"> <li>1. The concept, tasks, grounds for appointment and peculiarities of an internal audit and internal investigation.</li> <li>2. Taking written explanations (determining the list and content of questions) in the course of an internal audit and internal investigation into a given fact.</li> <li>3. Procedure for conducting and documenting the results of an internal audit and internal investigation.</li> </ol>
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 4. Application of international humanitarian law.</b>					
5	Group Session	3	2	1	<p><b>Lesson 1: Application of international humanitarian law.</b></p> <ol style="list-style-type: none"> <li>1. Determination of the legal status of participants in hostilities.</li> <li>2. Prohibited means and methods of warfare.</li> <li>3. Legal regime for the protection of war victims and prisoners of war.</li> <li>4. International legal protection of civilian objects and cultural property.</li> <li>5. Watching educational films on the Law of Armed Conflict and analysing the violations of international humanitarian law.</li> <li>6. Solving the problems of an interactive primary curriculum on the law of war.</li> <li>7. Responsibility for violations of international humanitarian law</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. A civilian object during an armed conflict.</li> <li>2. Protection of cultural property in the event of armed conflict.</li> <li>3. Special measures to protect women.</li> </ol>

<b>Total for the topic</b>	<b>3</b>	<b>2</b>	<b>1</b>	
<b>Control measures</b>	<b>2</b>	<b>2</b>		<b>Credit</b>
<b>Total for the educational component</b>	<b>15</b>	<b>12</b>	<b>3</b>	

#### 4.14. OP 1.14 "Intelligence Training"

##### **General objective of the educational programme component**

Acquiring theoretical knowledge and practical skills in conducting reconnaissance, detecting and assessing the enemy in the unit (link - squad, platoon), as well as in the organisation, armament, tactics of actions, motorised infantry (tank) units of the armed forces of the Russian Federation (link - squad, platoon, company), and the main means of destruction used by the enemy in the war against Ukraine.

As a result of studying the discipline, students should:

*to know:*

military intelligence agencies of the unit, their capabilities in conducting intelligence;

types and methods of tactical reconnaissance, the procedure for conducting reconnaissance in a unit;

the organisational structure, weapons, equipment and tactics of units (squad, platoon, company) of the motorised rifle (tank) troops of the armed forces of the Russian Federation;

the main means of destruction used by the enemy in the war against Ukraine;

*be able to:*

organise and conduct intelligence in the unit;

select landmarks, determine their distances and draw a map of landmarks;

Identify and expose enemy objects, weapons and equipment;

assess the external environment and the enemy.

##### **Organisational and methodological guidelines**

The academic discipline "Intelligence Training" is closely interrelated with the academic discipline "General Tactics".

Lectures and group classes are conducted to study the organisation, tactics, tactical and technical characteristics and intelligence features of weapons and military equipment of the main units of the Russian Army (squad and company), as well as the basics of conducting reconnaissance, detecting and assessing the enemy in the unit.

Seminars and practical classes are held to consolidate and deepen the theoretical knowledge and practical skills acquired during lectures and group classes.

The final result of studying the discipline is the acquisition of theoretical knowledge of the organisation and tactics of enemy actions, as well as the basics of conducting intelligence in the unit.

**Information and methodological support**

1. Manual for studying the organisational structure of the units of the ground forces of the armed forces of the Russian Federation. - Kyiv: DIU, 2024. - 68 p.
2. Study guide. Intelligence and Foreign Armies. Part 2. Information work. - Zhytomyr: ZhVI, 2019. 124 p.
3. Study guide. Organisation, armament and basics of tactics of motorised infantry units of the Land Forces of the Armed Forces of the Russian Federation: ZhVI, 2020. 351 p.
4. Handbook of the JFO participant. Arms and military equipment of the RF Armed Forces - Kharkiv: KHNUPS, 2020.

### Titles of topics and distribution of study time by type of class

№ s/n	Types training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Fundamentals of Military Intelligence</b>					
1	Lecture	3	2	1	<p><b>Lesson 1. Tactical reconnaissance.</b></p> <p>1. Purpose, tasks, types, forces and means of tactical intelligence.</p> <p>2. Methods of conducting military intelligence.</p> <p>3. Military intelligence agencies.</p> <p><i>Independent work.</i></p> <p>1. Purpose, tasks, types of tactical intelligence.</p> <p>2. Military intelligence agencies and their characteristics.</p>
<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Topic 2. Organisational structure and armament of motorised infantry (tank) units of the Russian armed forces</b>					

2	Group Session	3	2	1	<p><b>Lesson 1. Organisational and staff structure, weapons and combat equipment of motorised infantry (tank) units of the Russian Armed Forces.</b></p> <p>1. Organisational and staffing structure of a motorised infantry (tank) division (crew), weapons and military equipment, their visual identification.</p> <p>2. Organisational and staffing structure of a motorised infantry (tank) platoon, weapons and military equipment, their visual identification.</p> <p>3. Organisational and staffing structure of a motorised infantry (tank) company, weapons and military equipment, their visual identification.</p> <p><i>Independent work.</i></p> <p>1. Organisational and staffing structure of a motorised infantry (tank) platoon.</p> <p>2. Organisational and staffing structure of a motorised infantry (tank) company.</p>
<b>Total for the topic</b>		<b>3</b>	<b>2</b>	<b>1</b>	
<b>Topic 3. Fundamentals of Combat by Motorised Rifle (Tank) Units of the Russian Armed Forces</b>					
3	Group Session	3	2	1	<p><b>Lesson 1. Motorised rifle (tank) units of the Russian Armed Forces in defence.</b></p> <p>1. Fundamentals of defensive combat of motorised infantry (tank) units of the Russian Armed Forces (purpose, conditions, types, tasks).</p> <p>2. A motorised rifle unit in defence.</p> <p>3. A motorised infantry (tank) platoon in defence.</p> <p>4. A motorised infantry (tank) company in defence.</p> <p><i>Independent work.</i></p> <p>1. A motorised infantry (tank) platoon in defence.</p> <p>2. A motorised infantry (tank) company in defence.</p>
4	Group Session	3	2	1	<p><b>Lesson 3. Motorised rifle (tank) units of the Russian Armed Forces in the offensive.</b></p> <p>1. Fundamentals of offensive combat of motorised infantry (tank) units.</p> <p>2. A motorised rifle squad in the offensive.</p> <p>3. A motorised infantry (tank) platoon in the offensive.</p> <p>4. A motorised infantry (tank) company in the offensive.</p> <p><i>Independent work.</i></p> <p>1. A motorised infantry (tank) platoon in the offensive.</p> <p>2. A motorised infantry (tank) company in the offensive.</p>
<b>Total for the topic</b>		<b>6</b>	<b>4</b>	<b>2</b>	

<b>Control measures</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>Credit</b>
<b>Total for the educational component</b>	<b>15</b>	<b>10</b>	<b>5</b>	

#### 4.15. EP 1.15 "Fundamentals of Organising and Conducting Warfare in the Electromagnetic Environment and Cyberspace"

##### **General objective of the educational programme component**

Acquaintance of cadets with basic terms and definitions, basics of organisation and conduct of electronic warfare and cyber intelligence (planning, methods of employment of electronic warfare and cyber warfare units), tactical and technical characteristics of electronic warfare and cyber warfare means, procedure of deployment and intended use, as well as implementation of basic cybersecurity measures (cyber hygiene), understanding of the main aspects of cyber operations.

As a result of studying the discipline, students should:

*to know:*

Definition, tasks and components of electronic and cyber warfare;  
organisational structure, equipment and combat capabilities of the electronic warfare unit within the military unit;  
basic tactical standards for the use of an EWR unit;  
basic organisational measures for electronic and cyber defence;  
the procedure for collecting and using information on the electronic environment to ensure the use of the unit;

*be able to:*

organise and carry out electronic protection of electronic means (proper use of communication equipment, etc.) of the unit;  
use the basic methods of fighting in an electromagnetic environment;  
apply regulatory and legal acts and guidelines for conducting warfare in the electromagnetic environment in everyday activities;  
to solve the problem of detecting signals of cellular communication facilities and wireless access points deployed using Wi-Fi and Bluetooth technologies;  
apply basic methods and tools for searching for information from open sources;  
take measures to mislead the enemy using social networks, messengers and information platforms;  
to use means of processing and transmitting information in the information and communication systems of the Armed Forces of Ukraine in compliance with the requirements of guiding documents in the field of cybersecurity and information protection;  
act in accordance with the requirements of the guidelines on the procedure for responding to cyber incidents in the information and communication systems of the Armed Forces of Ukraine.

### **Organisational and methodological guidelines**

The academic discipline "Fundamentals of Organising and Conducting Warfare in the Electromagnetic Environment and Cyberspace" is closely interrelated with the academic discipline "Organisation of Military Communications".

### **Information and methodological support**

1. The Law of Ukraine on the Protection of Information in Information and Communication Systems.
2. The Law of Ukraine On the Basic Principles of Ensuring Cybersecurity of Ukraine.
3. Rules for Ensuring Information Protection in Information, Electronic Communication and Information and Communication Systems, approved by Resolution of the Cabinet of Ministers of Ukraine No. 373 dated 29.03.2006.
4. Concept for the development of the electronic warfare system in the Armed Forces of Ukraine until 2026.
5. VKP 10(3)-27(03.01. Doctrine on electronic warfare in joint operations.
6. Guidelines "Organisation and Conduct of Electronic Warfare in Combined Arms Combat". Developed by the working group of the Electronic Warfare Department of the Main Directorate of Electronic and Cyber Warfare of the General Staff of the Armed Forces of Ukraine. 2022p.
7. Electronic warfare. Joint Publication JP 3-13.1 - USA, 2012.

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Fundamentals of organisation and conduct of electronic warfare in the Armed Forces of Ukraine.</b>					
1.	Lecture	2	2	-	<b>Lesson 1: Fundamentals of Electronic Warfare Organisation in the Armed Forces of Ukraine. Combat capabilities of electronic warfare forces and means.</b> 1. Definition, tasks and components of electronic warfare. The electronic warfare management system of the PC of Ukraine. 2. Organisational and staffing structure of the units of the SSR (type of the Armed Forces of Ukraine). 3. Theoretical foundations of electronic jamming of radio communications, UAVs and radar. 4. Purpose and main tactical and technical characteristics of the equipment of the electronic warfare unit. Tasks and combat capabilities of the electronic warfare unit. 5. Options for building combat formations of an electronic warfare unit of a military unit (brigade) in defence and offence.
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 2. Organisation of the use of electronic warfare units</b>					
2.	Lecture	2	2	-	<b>Lesson 1: Organisation of the use of electronic warfare units.</b> 1. Planning of radio jamming by the EW unit (by area of activity). 2. Planning of the use of the electronic protection unit (by area of activity). 3. Planning the use of an electronic warfare support unit from a military unit (by area of activity).

3.	Group Session	2	2	-	<p><b>Lesson 2: Planning the use of electronic warfare units.</b></p> <p>1. The list of documents to be worked out in the course of planning radio suppression and their content.</p> <p>2. Measures to ensure radio electronic protection of the command and control systems of troops and weapons (radio electronic means) of the military unit.</p> <p>3. Electronic warfare support capabilities and their tasks for planning the use of military units.</p>
<b>Total for the topic</b>		<b>4</b>	<b>4</b>		
<b>Topic 3: Fundamentals of organising and conducting cyber actions to obtain information about the enemy</b>					
4.	Lecture	2	2	-	<p><b>Lesson 1: Wi-Fi and Bluetooth wireless access technologies: basics of application and features of operation.</b></p> <p>1. Basic principles of wireless access technologies and cellular networks. Parameters and characteristics of network signals.</p> <p>2. Features of wireless technologies and cellular networks</p>
5.	Practical Session	2	2	-	<p><b>Lesson 2: Basics of cyber intelligence in relation to Wi-Fi and Bluetooth wireless access technologies.</b></p> <p>1. Scans the radio frequency spectrum of Wi-Fi and Bluetooth wireless access technologies to detect the presence of access points and radiation sources.</p> <p>2. Basic principles of conducting actions in cyberspace in relation to enemy reconnaissance assets in mobile cellular networks, Wi-Fi, Bluetooth networks.</p>
6.	Group Session	2	2	-	<p><b>Lesson 3: Basic principles of using methods and tools for searching for information in open sources.</b></p> <p>1. Identification of intelligence sources.</p> <p>2. Use of information retrieval methods and tools.</p> <p>3. Analysis of the results.</p>
<b>Total for the topic</b>		<b>6</b>	<b>6</b>		
<b>Control measures</b>		<b>3</b>	<b>2</b>	<b>1</b>	<b>Credit</b>
<b>Total for the educational component</b>		<b>15</b>	<b>14</b>	<b>1</b>	

#### **4.16. EP 1.16 "Fundamentals of the use of tactical class unmanned systems"**

##### **General objective of the educational programme component**

Acquaintance of cadets (students) with basic terms and definitions, basics of organising the use of unmanned aerial vehicles (UAVs) (planning, methods of using UAVs), classification and tactical and technical characteristics of UAVs, their structure, procedure of deployment and intended use.

As a result of studying the discipline, students (trainees) should:

*to know:*

purpose, composition, principles of operation of unmanned systems on the example of unmanned aircraft systems of tactical classes;

operating rules and restrictions on UAVs and target loads;

the basics and procedure for preparing for the use of tactical class UAVs;

main tactical and technical characteristics of the regular UAVs of the air force, the armed forces, the army, artillery and reconnaissance units of the armed forces of Ukraine and the armed forces of the Russian Federation;

*be able to:*

to prepare for the use and use of copter-type UAVs;

organise data transfer from the BpAC;

use Kropyva software to determine coordinate information;

to act individually and as part of a unit when planning to use tactical-class UAVs.

##### **Organisational and methodological guidelines**

The academic discipline "Fundamentals of the use of tactical class unmanned systems" is closely interrelated with the academic discipline "General Tactics".

##### **Information and methodological support**

1. Guidelines for the combat use of Class I UAVs in the Armed Forces of Ukraine (Order of the General Staff of the Armed Forces of Ukraine No. 379DSK dated 09.12.2021).

2. Fundamentals of construction of unmanned robotic systems for special purposes: a textbook / Y.G. Danik, P.P. Topolnitsky, I.V. Puleko, P.V. Pozdnyakov, A.V. Rodionov, M.V. Bugayov - Zhytomyr: ZhVI, 2016. - 306 p.

3. STANAG 4670 (Edition 1). Recommended Guidance for the Training of Designated Unmanned Aerial Vehicle Operator. NATO Standardisation Agreement. 2006.

4. STANAG 4671 (Edition 1). Unmanned Aerial Vehicle Systems Airworthiness Requirements. NATO Standardisation Agreement. 2009.

5. Concept of equipping military units and subdivisions of the Armed Forces of Ukraine with unmanned aerial systems for the period up to 2025. Order of the Ministry of Defence of Ukraine of 02.11.2016 No. 580.

6. The concept of using unmanned aerial systems in the Armed Forces of Ukraine. Order of the Chief of the General Staff of the Armed Forces of Ukraine of 13.05.2017 No. 169.

### Titles of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
<b>Topic 1: Technical training</b>					
1	Lecture	2	2		<b>Lesson 1: Current state and prospects for the development of tactical unmanned systems.</b> 1. The role and place of the discipline "Fundamentals of the use of tactical class unmanned systems" in the system of training of officers. 2. Current state, types and classification of unmanned systems in the Armed Forces of Ukraine. 3. 3. The main guiding documents regulating the use of unmanned systems in the Armed Forces of Ukraine.
2	Lecture	2	2		<b>Lesson 2: Classification of unmanned systems.</b> 1. Classification of unmanned aerial systems. 2. Classification of ground robotic systems (platforms). 3. Classification of marine unmanned vehicles (systems, complexes). 4. 4. The main models of BPS used by units of the Armed Forces of Ukraine.

3	Group Session	3	2	1	<p><b>Lesson 3: Components of UAVs and principles of UAV operation.</b></p> <ol style="list-style-type: none"> <li>1. Components of unmanned systems (on the example of UAVs).</li> <li>2. Principles of operation of copter and aircraft-type UAVs.</li> <li>3. External factors affecting UAV flight.</li> <li>4. General characteristics of navigation systems used in unmanned systems.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. UAV controls, basic parameters of flight data and the procedure for its processing.</li> <li>2. Development of a flight plan.</li> <li>3. The main forms and methods of using unmanned systems.</li> </ol>
<b>Total for the topic</b>		<b>7</b>	<b>6</b>	<b>1</b>	
<b>Topic 2. Tactical and special training.</b>					
4	Group Session	3	2	1	<p><b>Lesson 1: The procedure for planning the use of UAVs. Types of reporting and information documents and the procedure for their execution based on the results of the use of unmanned systems.</b></p> <ol style="list-style-type: none"> <li>1. Features of planning the use of tactical class UAVs.</li> <li>2. General approaches to drawing up a flight mission, development of planning documents for the use of UAVs.</li> <li>3. Types of reporting and information documents (RIDs) and the procedure for their preparation.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Features of the use of tactical class UAVs in combat conditions.</li> <li>2. Features and procedure for decoding aerial reconnaissance materials.</li> <li>3. Rehearsing options for conducting aerial reconnaissance and adjusting artillery fire using various types of UAVs</li> </ol>
5	Practical Session	3	2	1	<p><b>Lesson 2: Practicing basic UAV control skills on a simulator for copter-type UAVs.</b></p> <ol style="list-style-type: none"> <li>1. Practice launching and landing a copter-type UAV.</li> <li>2. Practicing basic flight procedures, including artillery fire correction using copter-type UAVs.</li> </ol> <p><i>Independent work.</i></p> <ol style="list-style-type: none"> <li>1. Purpose and peculiarities of the use of the Kropyva SPZ by UAV crews.</li> <li>2. The main types and capabilities of tactical-class regular UAVs in the Air Force, Special Forces, Combined Arms and Artillery units, and military intelligence units.</li> <li>3. Preparation for the test in the discipline.</li> </ol>

<b>Total for the topic</b>	<b>6</b>	<b>4</b>	<b>2</b>	
<b>Control measures</b>	2	2		<b>Credit</b>
<b>Total for the educational component</b>	<b>15</b>	<b>12</b>	<b>3</b>	

#### 4.17. MS 1 "Combat Use of Mechanised Units"

**The general objective of the educational programme component:**

To provide the student with an understanding of the structure and processes that take place in the combat (action) support system of a typical battalion-level unit; the procedure for organising interaction by type of support and management at the level of battalion headquarters, battalion support unit; laying the foundation for mastering standard operating procedures and the basic planning and management apparatus.

As a result of studying the discipline, the student should  
to know:

processes of command and control of a unit (by type, branches of the Armed Forces of Ukraine, other military formations established in accordance with the laws of Ukraine) during preparation and conduct of combat and in everyday activities.

processes of comprehensive support of the unit (by types, branches of the Armed Forces of Ukraine, other military formations established in accordance with the laws of Ukraine) during combat use and daily activities.

organising battle planning in accordance with NATO Standard Operating Procedures (MDMP);  
be able to:

plan, organise and apply combat skills of the unit (by types, branches of the Armed Forces of Ukraine and other military formations established in accordance with the laws of Ukraine);

to manage a support unit during the preparation and conduct of combat, and to carry out day-to-day activities in the support unit (by type, branch of the Armed Forces of Ukraine and other military formations established in accordance with the laws of Ukraine);

apply knowledge of modern armed struggle and general military combat, martial arts, the basics of the combat system of warrior survival in various conditions of professional activity;

read and maintain working maps (diagrams), understand tasks, assess the situation, make decisions as a staff officer in various types of tactical actions.

**Organisational and methodological guidelines:**

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all students perform the same task at the same time under the supervision of a teacher;

group form of training, when students are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of training, when students complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

### **Information and methodological support:**

1. The Combat Statute of the Mechanised and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part II (Battalion, Company), approved by Order of the Commander of the Land Forces of the Armed Forces of Ukraine No. 564 of 30.12.2016 as amended.

2. HQP 3-102(03).01 Doctrine on the structure of command and control posts (control points) in a joint operation. K-2021.

3. The Army Combat Statute "Structure and Functioning of Command and Control Posts (Control Points) in Operations". K-2023.

4. Combined arms formations in combat (according to NATO standards): a textbook, Kyiv: I. Cherniakhovskiy National University.

5. Training kit for military units (subdivisions) (2018).

6. Order No. 140 of the Commander-in-Chief of the Armed Forces of Ukraine of 11.09.2020 "On Approval of the Temporary Procedure for the Processing of Operational (Combat) Documents".

7. NATO STANDARD. "APP-6", "NATO JOINT MILITARY SYMBOLOGY".

8. Collection of tactical calculations with examples: a textbook / team of authors. - K.: Ivan Chernyakhivskyi National University, 2018. - 96 p.
  9. TKP 3-(00)152(03.01 Procedure "Work of the commander and staff of the tactical command and control unit on battle (combat operations) planning according to NATO standard operating procedures", 2021
  10. GP 7(5)-00(11)03.01 Guidelines for planning and organising combat in accordance with NATO standards, 2020
  11. ICMB CPCS Manual "Battle Planning and Organisation by NATO Standards" - K.: 2019;
  12. Military manual VP 1.0 "Military leadership." - K.: General Staff of the Armed Forces of Ukraine, 2016. - 29 p.
  13. Field Manual of the US Army. Conduct of Combat Operations. FM 3-07 2008.
  14. Album of unit action plans (squad, platoon, company, battalion) - Lviv. Hetman Petro Sahaidachnyi National Military Academy, 2018.
  15. BP 3(7)-08(11).01 Combat Statute of the Land Forces "Air Defence Forces of the Land Forces of the Armed Forces of Ukraine" Order of the Commander of the Land Forces of the Armed Forces of Ukraine of 30 March 2021, no. 215. The Command of the Armed Forces of Ukraine. 03.2021p. 136 p., unclassified.
  16. SBP 3-00(08).56(57) Combat Statute of the Land Forces of Ukraine "Air Defence Forces of the Land Forces of the Armed Forces of Ukraine" Part II (division, battery (group))" Order of the Commander of the Land Forces of the Armed Forces of Ukraine of 27 December 2016, no. 596. Command of the Armed Forces of Ukraine 12.2016. 227c unclassified.
  17. SBP 3-00(08).58(59) Combat Statute of the Land Forces of Ukraine "Air Defence Troops of the Land Forces of the Armed Forces of Ukraine" Part III (platoon, squad, service)" Order of the Commander of the Land Forces of the Armed Forces of Ukraine of 26 May 2016, no. 248. Command of the Armed Forces of Ukraine 05.2016. 194 p., unclassified.
  18. Handbook of foreign armies (training and combat staff of the "Yellow"), study guide, K.: NUOU, 2020.
  19. Album of schemes: the use of units of the Armed Forces of the Russian Federation in the main types of combat, Kyiv: NUOU, 2018.
- Auxiliary
1. Actual problems of training and use of the Armed Forces of Ukraine during the anti-terrorist operation in eastern Ukraine. - Kyiv, 2016, inv. 2537.- 136 p.
  2. TKP 7-000 (162) 01.01 "Collection No. 1 of Materials for Studying the Combat Experience of the Russian-Ukrainian War of 2022." - Kyiv: GUDtAP of the General Staff of the Armed Forces of Ukraine, 2022.

3. TKP 7-000 (162) 01.02 "Collection No. 2 of Materials for Studying the Combat Experience of the Russian-Ukrainian War of 2022." - K.: GUDtAP of the General Staff of the Armed Forces of Ukraine, 2022
4. TKP 7-000 (162) 01.03 "Collection No. 3 of the Materials for Studying the Combat Experience of the Russian-Ukrainian War of 2022." - Kyiv: GUDtAP of the General Staff of the Armed Forces of Ukraine, 2022
5. TKP 7-000 (162) 01.04 "Collection No. 4 of Materials for Studying the Combat Experience of the Russian-Ukrainian War of 2022." - Kyiv: GUDtAP of the General Staff of the Armed Forces of Ukraine, 2022.
6. Collection of Tactical Calculations with Examples: a textbook / team of authors. - Kyiv: Ivan Cherniakhivskyi National University, 2018. - 96 p.
7. Order of the MoD of 05.09.2013 No. 595 "On Approval of the Regulation on Military Transport by Rail, Sea, River and Air".
8. Generalised materials on the analysis of the performance of tasks by the military units of the Armed Forces in the course of the ATO.
9. Generalised materials of the analysis of preparation and conduct of operations (combat actions) by the troops (forces) of the AFU during the ATO. -111c.
10. The use of mechanised units in the performance of special tasks in modern armed conflicts. - Ed. "Science and Technology", 2008. - 98 p.
11. VP 7(3)-00(01).01 Temporary instruction on the process of analysing the actions of training activities. Centre for Operational Standards and Methods of Training of the Armed Forces of Ukraine, Main Training Directorate of the Armed Forces of Ukraine, 2019. 40 c.
12. EP 7(3)-(01-05)03.01 Guidelines "Organisation, management and improvement of the fire system in modern conditions". Centre for Operational Standards and Methods of Training of the Armed Forces of Ukraine, Main Training Directorate of the Armed Forces of Ukraine, 2019. 120 c.

#### Information sources

Official website of the Ministry of Defence of Ukraine: <http://www.mil.gov.ua/>

Scientific-theoretical and scientific-practical journal "Science and Defence" <http://www.nio.mil.gov.ua/>

Official website of the Verkhovna Rada of Ukraine: <http://zakon2.rada.gov.ua/laws/a#Find>

Official website [www.vaodessa.org.ua](http://www.vaodessa.org.ua)

### Titles of topics and distribution of study time by type of study session

№ s/n	Types training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
1.	2	3	4	5	6
<b>Topic 1: Fundamentals of combat employment of a mechanised battalion (company) in the main types of combat (tactical actions).</b>					
2.	Lecture	2	2		<p><b>Lesson 1: Organisation, weapons, military equipment and combat capabilities of a mechanised (infantry, tank) battalion (company).</b></p> <p>1. Place and role of the discipline in the educational process.</p> <p>2. Organisation, armament and combat equipment of a mechanised (motorised infantry, tank) battalion (company) on an armoured personnel carrier (APC). Technical specifications of weapons and military equipment.</p> <p>3. Combat capabilities of a mechanised battalion (company).</p>
3.	Group Session	2	2		<p><b>Lesson 2: Organisation, weapons, combat capabilities and basics of combat use of artillery, anti-tank, grenade launcher and anti-aircraft units of a mechanised battalion.</b></p> <p>1. The tasks performed by artillery in various types of combat. Purpose, composition, combat order, and combat capabilities of regular and attached battalion artillery units.</p> <p>2. Organisational structure, weapons and combat capabilities of the battalion's machine gun, anti-tank, grenade launcher and anti-aircraft missile platoons.</p> <p>3. The use of artillery, machine gun, anti-tank, grenade launcher and anti-aircraft missile units of the battalion in the main types of combat.</p>
4.	Seminar (Roundtable Discussion)	2	2		<p><b>Lesson 3: Organisation, armament, military equipment, combat capabilities of a mechanised (motorised infantry, tank) battalion (company) and its combat units.</b></p> <p>1. Organisation, armament and combat equipment of a mechanised (motorised infantry, tank) battalion</p>

				<p>(company) on an armoured personnel carrier (APC). Technical specifications of weapons and military equipment.</p> <p>2. Combat capabilities of a mechanised battalion (company).</p> <p>3. Tasks performed by artillery in various types of combat. Purpose, composition, combat order and combat capabilities of regular and attached battalion artillery units.</p> <p>4. Organisational structure, weapons and combat capabilities of the battalion's machine gun, anti-tank, grenade launcher and anti-aircraft missile platoons.</p> <p>5. The use of artillery, machine gun, anti-tank, grenade launcher and anti-aircraft missile units of the battalion in the main types of combat.</p>
<b>Total for the topic</b>		<b>6</b>	<b>6</b>	
<b>Topic 2. Fundamentals of the use of motorised rifle (tank) brigade (regiment) of the armies of neighbouring states.</b>				
5.	Lecture	2	2	<p><b>Lesson 1: Fundamentals of combat employment of motorised infantry (tank) brigade (regiment) of the armies of neighbouring states.</b></p> <p>1. Organisational and staffing structure, tactical and technical characteristics of weapons and military equipment of a motorised rifle (tank) brigade (regiment).</p> <p>2. Fundamentals of combat employment of a motorised infantry (tank) brigade (regiment) in offensive combat (purpose, tasks, combat order, tactical standards).</p> <p>3. Fundamentals of combat employment of a motorised infantry (tank) brigade (regiment) in defensive combat (purpose, tasks, combat order, tactical standards).</p>
<b>Total for the topic</b>		<b>2</b>	<b>2</b>	
<b>Topic 3: Defensive combat of a mechanised battalion (company).</b>				
6.	Lecture	2	2	<p><b>Lesson 1: Preparation and conduct of a defensive battle by a mechanised battalion (company).</b></p> <p>1. A mechanised battalion (company) in defensive combat.</p> <p>2. Conducting a defensive battle. Features of manoeuvre defence.</p>
7.	Group Session	2	2	<p><b>Lesson 2: Preparing for defensive combat (military decision-making process (MDMP)).</b></p> <p>1. The work of the battalion commander and staff in organising defensive combat Military decision-making process (MDMP). Stages of planning and their content.</p> <p>2. Responsibilities of officials in the military decision-making process (MDMP).</p>

8.	Group Session	2	2	<p><b>Lesson 3: Military Decision Making Process (MDMP).</b></p> <p>1. Analyse the assignment.  2. Developing options for action.  3. Analysis of options for action.  Tactical objective No. 1.  The transition of a BTG to defence in the absence of a collision with the enemy.</p>
9.	Group Session	6	6	<p><b>Lesson 4. Transition of a BTG to defence in the absence of a collision with the enemy.</b></p> <p>1. Understanding the task, assessing the situation (according to the military decision-making algorithm (MDMP)).  2. Development of options for action (SOAs). Analysis and justification (A&amp;J).  3. Developing an idea and drawing it on a working map.  4. 4. Modular control.</p>
<b>Total for the topic</b>		<b>12</b>	<b>12</b>	
<b>Topic 4. Movement of a mechanised battalion (company).</b>				
10.	Lecture	2	2	<p><b>Lesson 1: March of a mechanised battalion (company).</b></p> <p>1. A mechanised battalion (company) on the march.  2. Methodology for calculating the march of a mechanised battalion.</p>
11.	Practical Session	6	6	<p><b>Lesson 2. March of a mechanised battalion.</b></p> <p>1. Analyse the assignment.  2. Building a marching order, distribution of forces and means in the column.  3. Calculating the march of a mechanised battalion.</p>
12.	Group Session	2	2	<p><b>Lesson 3: Transporting a mechanised battalion by various means of transport.</b></p> <p>1. Organise and carry out the transport of a mechanised battalion.  2. Methodology for calculating the cost of transporting a battalion by rail.</p>
<b>Total for the topic</b>		<b>10</b>	<b>10</b>	
<b>Topic 5. Offensive combat of a mechanised battalion (company).</b>				

13.	Lecture	2	2	<p><b>Lesson 1: Preparation and conduct of an offensive battle by a mechanised battalion (company).</b></p> <p>1. Mechanised battalion (company) in offensive combat. Purpose, types and conditions of the offensive.</p> <p>2. Conducting offensive combat.</p> <p>Tactical objective 2.</p> <p>The BTGr's transition to the offensive from a position of direct contact with the enemy with the regrouping of units</p>
14.	Group Session	6	6	<p><b>Lesson 2: Decision-making for offensive combat.</b></p> <p>1. Understanding the task, assessing the situation (according to the military decision-making algorithm (MDMP)).</p> <p>2. Development of options for action (SOAs). Analysis and justification (A&amp;J).</p> <p>3. Developing an idea and drawing it on a working map.</p>
<b>Total for the topic</b>		<b>8</b>	<b>8</b>	
<b>Control measures</b>		<b>2</b>	<b>2</b>	<b>Credit</b>
<b>Total for the educational component</b>		<b>40</b>	<b>40</b>	

#### 4.18. MS 2 "Logistics support of combat operations"

##### **The general objective of the educational programme component:**

Providing knowledge of the processes of managing logistics support services and subordinate logistics support units; understanding the processes of comprehensive support of units; developing skills in planning logistics support for various types of combat (march) using standard operating procedures; mastering rational methods of officer's work, developing creative thinking to solve complex professional problems; bringing diverse knowledge into a single toolkit for successful completion of tasks

As a result of studying the discipline, the student should to know:

organisational structure and logistics tasks;

organising and maintaining the military economy of the military unit;

Organisational and staffing structure, tasks and capabilities of logistics support bodies, basics of their application in various types of tactical actions;

organising the supply of material resources to the rear;

basics of logistics planning and accounting using LOGFAS software.

organising logistical support for the mobilisation and putting military units on alert;

organising logistics planning in accordance with NATO Standard Operating Procedures (MDMP);

basics and rules of logistics support during preparation and during combat (march);

be able to:

manage the logistics support service (by specialisation) of the military unit and organise its work during preparation and during combat (march);

to make decisions and manage units during combat missions, including logistical support;

organise the protection, security and defence of material and technical means and logistics support forces;

Read tactical symbols used to display the logistical situation;

read and maintain working maps (diagrams), understand tasks, assess the situation, make decisions as a logistics officer in various types of tactical actions;

use the LOGFAS software package to solve logistics reporting tasks.

**Organisational and methodological guidelines:**

The methodology of teaching the educational component is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all students perform the same task at the same time under the supervision of a teacher;

group form of training, when students are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of training, when students complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

**Information and methodological support:**

Instruction on the organisation of material support for servicemen of the Armed Forces of Ukraine in peacetime and special period: Order of the Ministry of Defence of Ukraine of 29.04.2016 No. 232.

Norms of consumption of fuel, oils, greases and special liquids during operation, repair and conservation of military equipment and weapons of the Armed Forces of Ukraine, approved by the Order of the Minister of Defence of Ukraine of 06.01.1999 No. 01.

Temporary instruction on bath and laundry services for the personnel of the Armed Forces of Ukraine for peacetime and special period, approved by the commander of military unit A2516 on 28.12.2017, no. 312.

Norms for the accumulation, maintenance and echeloning of fixed stocks of missiles and ammunition in the Armed Forces of Ukraine in peacetime, approved by Order of the NGSht-GC of the Armed Forces of Ukraine of 15.07.2008 No. \*4 (as amended by the Order of the General Staff of the Armed Forces of Ukraine of 20.07.2016).

Norms of irrecoverable losses, withdrawal for repair of weapons and equipment, and expenditure of other material resources in the operations of the Armed Forces of Ukraine. Enacted by the Order of the General Staff of the Armed Forces of Ukraine dated 26.01.2016 No. \*\*2.

Collection of combat kits and norms of military stocks of missiles and ammunition in the Armed Forces of Ukraine, approved by the order of the CSR of the Armed Forces of Ukraine of 27.05.2003 No. \*3.

Instruction on Preparing and Conducting Mobilisation Deployment of the Armed Forces of Ukraine, approved by the Order of the Ministry of Defence of Ukraine and the General Staff of the Armed Forces of Ukraine of 15.12.2017, No. 19.

On the introduction of samples and forms of documents for the preparation and conduct of mobilisation deployment of the Armed Forces of Ukraine, approved by the mobilisation directive of the General Staff of the Armed Forces of Ukraine of 03.07.2018 No. 321/1260 DSK.

Regulation on the Procedure for the Creation, Storage, Renewal (Replacement), and Use of Immovable Stocks of Logistics Equipment and Other Logistics Material in the Armed Forces of Ukraine, approved by the Order of the Ministry of Defence of Ukraine of 13.05.2016 No. 6t.

On Approval of the Procedure for Determining the Objectively Necessary Amount of Fuel for Household Needs in the Armed Forces of Ukraine: Order of the Ministry of Defence of Ukraine of 19.10.2018 No. 524.

On Approval of the Procedure for the Use of Apartment Property in the Ministry of Defence of Ukraine and the Armed Forces of Ukraine: Order of the Ministry of Defence of Ukraine of 30.01.2019 No. 34.

Methodological recommendations on the organisation of logistics support in the base camps of brigades (battalions), company (platoon) strongholds and combat positions - K.: Ryl AFU, 2016. - 19 p.

Methodological recommendations on the organisation and escort of convoys. - Kyiv: Tyl AFU, 2016. - 9 p.

Combat Regulations of the Mechanised and Tank Forces of the Land Forces of the Armed Forces of Ukraine. Part I. Brigade. - K.: KSV ZSU, 2016.

The Combat Statute of the Mechanised and Tank Troops of the Armed Forces of the Armed Forces of Ukraine. Part II. Battalion, Company - K.: CSR of the Armed Forces of Ukraine, 2016.

The Joint Logistics Doctrine, SP 4-00(30)03.01.

Doctrine "Use of Logistics Forces", VKP 4-32(03.01).

Logistics Forces Doctrine, VKP 4-32(41.01).

Doctrine of Logistics Support of the Land Forces of the Armed Forces of Ukraine, VKP 4-00(11.01).

Doctrine "On the organisation of movements and transportations in the Armed Forces of Ukraine", VKP 4-00(03.01).

Doctrine "Provision of material and technical means, works and services", VKP 4-179(03.01).

Combat Statute "Logistics of the Land Forces of the Armed Forces of Ukraine (tactical level)", BP 4-32(11.01).

Combat Statute "Logistics Operations of the Armed Forces of Ukraine (tactical level)", BP 4-146(11.01).

Combat manual "Troop Deployment Operations (Tactical Level)", BP 4-147(11.01).

Doctrine "Infrastructural Support of the State Defence Forces", VKP 4-144(03.01).

Procedure "Work of the commander and staff of the tactical command and control unit on battle (combat operations) planning according to NATO standard operating procedures" (brigade (regiment), battalion and equivalent headquarters), TKP 3-(00)152(03.01).

Guidelines for planning and organising combat according to NATO standards (brigade (battalion) headquarters and equivalent), GP 7(5)-00(11)03.01.

On Approval of the Temporary Procedure for the Processing of Operational (Combat) Documents, approved by the Order of the Commander-in-Chief of the Armed Forces of Ukraine of 11.09.2020 No. 140.

On Approval of the Regulation on Military Transportation by Rail, Sea, River and Air: Order of the Ministry of Defence of Ukraine of 05.09.2013 No. 595.

R.V. Bulgakov. Specialised software LOGFAS. Part I. Logistics reporting: a textbook - Odesa: Military Academy (Odesa), 2023. 80 p.

### **Auxiliary**

Logistics support of a mechanised (tank) battalion in combat and other operations. Part I. Logistics support: a textbook / E.A. Ivanchenko et al: Military Academy, 2018. 316 p.

Registration and maintenance of combat documents of logistics support (by logistics services) of a military unit (subdivision): a textbook / O.M. Maslii et al: Military Academy, 2020. 190 p.

Military rear. Basics of logistics support of military units (subdivisions), tactical groups: K.: Rear of the Armed Forces of Ukraine, 2015. 270 p.

A collection of examples of combat experience. Military Academy (Odesa), March 2023, April 2023, June 2023, July 2023.

### Titles of topics and distribution of study time by type of study session

№	Types training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
<b>Section 1. Fundamentals of logistics support of troops (forces).</b>					
<b>Topic 1: General provisions of the logistics support organisation.</b>					
1.	Lecture	2	2		<b>Lesson 1: Comprehensive support of combat and day-to-day activities of military units.</b> 1. Comprehensive support of combat and day-to-day activities of military units. 2. The system of logistics support of the Armed Forces of Ukraine.
2.	Group Session	2	2		<b>Lesson 2. The system of logistics support for troops.</b> 1. Tasks, types, objects of the system of logistics support of troops. 2. Measures of logistical support of a military unit.
3.	Group Session	2	2		<b>Lesson 3: Logistics forces and means.</b> 1. Military-level logistics forces and means. 2. Forces and means of logistics support at the operational level. 3. Strategic-level logistics forces and means.
4.	Group Session	1	1		<b>Lesson 4. The system of technical support of troops' actions.</b> 1. The concept of the system of technical support for military operations. 2. Measures of technical support of the military unit.
5.	Group Session	1	1		<b>Lesson 5. Forces and means of technical support.</b> 1. Military-grade technical support forces and means. 2. Forces and means of technical support of the operational level.

				3. Strategic level technical support forces and means.
6.	Group Session	2	2	<b>Lesson 6. Conventional symbols used in logistics documents.</b> 1. General requirements for the application of symbols. Amplifiers. 2. Conventional symbols used in logistics documents.
<b>Total for the topic</b>		<b>10</b>	<b>10</b>	
<b>Topic 2. Organisation of provision of material and technical means, works and services.</b>				
7.	Group Session	2	2	<b>Lesson 1: General provisions for the provision of material and technical means, works and services.</b> 1. Purpose, principles and functions of providing troops with material and technical means, works and services. 2. Classes of supply of material and technical resources.
8.	Group Session	2	2	<b>Lesson 2. Material assets and their stocks.</b> 1. Stocks of material assets. 2. Settlement and delivery units. 3. Standards for the accumulation, maintenance and echeloning of stocks of material resources.
9.	Group Session	2	2	<b>Lesson 3. Material support of troops.</b> 1. Planning of troop supply. Initial data for planning. 2. Procedure for equipping troops with material resources.
10.	Group Session	2	2	<b>Lesson 4. Technical means of the rear.</b> 1. Technical means of the rear by type of support. 2. The procedure for manning troops with technical means.
11.	Practical Session	4	4	<b>Lesson 5. Preparation of the calculation of material and technical resources (by specialisation).</b> 1. Methodology for calculating the provision of material and technical resources. 2. Calculation of the provision of material and technical resources.
12.	Group Session	4	4	<b>Lesson 6. Logistics units of a military unit.</b> 1. Purpose, tasks, capabilities and organisational structure of a logistics platoon. 2. Purpose, tasks, capabilities and organisational structure of the logistics battalion.
<b>Total for the topic</b>		<b>16</b>	<b>16</b>	
<b>Topic 3: Organisation of transport support for troops.</b>				
13.	Lecture	2	2	<b>Lesson 1: The system of organising movements and transportations.</b> 1. Fundamentals of military transport organisation. Types of transport.

				2. The structure of transport support bodies.
14.	Group Session	2	2	<b>Lesson 2: Organisation of military road transport (MRT).</b> 1. Basic provisions for the organisation of military road transport. 2. Organisation of loading and unloading operations. 3. Principles of organising the supply and evacuation of material resources.
15.	Group Session	2	2	<b>Lesson 3: Organisation of military transport by rail, water and air.</b> 1. Basic requirements for transporting troops. 2. Calculations of transportation and loading of troops. Logistical support.
<b>Total for the topic</b>		<b>6</b>	<b>6</b>	
<b>Topic 4. Fundamentals of the use of forces and means of material support.</b>				
16.	Lecture	2	2	<b>Lesson 1: General provisions on the work of logistics support services in preparation for and during combat operations.</b> 1. Responsibilities of military unit officials for organising logistical support. 2. Combat and planning documents for logistics support.
17.	Group Session	2	2	<b>Lesson 2: Basics of logistics support of military units in combat and other operations.</b> 1. Preparation, positioning and movement of the rear. Supply and evacuation routes. 2. Organisation of rear reconnaissance and logistics cooperation. 3. 3. Use of the local industrial base to supply troops and solve other problems.
18.	Group Session	2	2	<b>Lesson 3: Organisation of logistics support for a military unit in preparation for and during combat.</b> 1. Content of logistics support measures in preparation for combat. 2. Actions of logistic support forces and means in the course of combat. 3. 3. Temporary logistical support bodies.
19.	Group Session	2	2	<b>Lesson 4. Organising the delivery of material resources.</b> 1. Principles and conditions for organising the supply of material resources. 2. Forces and means of transport, the basics of their use in combat. 3. The work of military unit officials in planning and organising transportation and evacuation.
20.	Group Session	4	4	<b>Lesson 5. Maintaining a working map by the head of the logistics service.</b> 1. Procedure for drawing up and maintaining a work card. 2. Drawing up a working map in preparation for a battle (march).

21.	Group Session	4	4		<b>Lesson 6. Organisation of protection, security and defence of logistics units.</b> 1. Organisation of protection and camouflage of logistics units. 2. Organisation of security and defence of the area where the logistics units are deployed. 3. Plan for the protection, security and defence of the logistics unit.
22.	Seminar (Roundtable Discussion)	2	2		<b>Lesson 7. Organisation of logistics support for a military unit in preparation for and during combat.</b> 1. Actions of logistic support forces and means in the course of combat. 2. Organising the delivery of material resources. 3. Organisation of protection, security and defence of material support units.
23.	Group Session	2	2		<b>Lesson 8. Peculiarities of logistics support of troops' actions in different conditions.</b> 1. Peculiarities of logistical support of troops' actions at night. 2. Peculiarities of logistical support of troops in winter. 3. Peculiarities of logistical support of troops in forest and mountainous areas. 4. Peculiarities of logistical support of troops' actions in the conditions of enemy UAV use.
<b>Total for the topic</b>		<b>20</b>	<b>20</b>		
<b>Topic 5. Certificate course on the use of NATO's specialised software LOGFAS.</b>					
24.	Group Session	2	2		<b>Lesson 1: Introduction to the LOGFAS course.</b> 1. Introduction to the structure of the course. 2. ENTRANCE CONTROL.
25.	Group Session	5	4	1	<b>Lesson 2: Overview of the specialised software LOGFAS.</b> 1. Purpose, tasks to be solved, set of tools. 2. Demonstration of LOGFAS software capabilities. 3. The structure of accounting for material and technical assistance in the Armed Forces of Ukraine. 4. Install the LOGFAS v.7.2.0 software. <i>Independent work:</i> Terminology of the LOGFAS SPZ. 1. Glossary of basic terms.
26.	Group Session	2	2		<b>Lesson 3. LOGFAS Connection Manager (LCM) module.</b> 1. Create, edit, and delete databases. 2. Export and import of databases. 3. Updating databases. The concept of networking.
27.	Group	5	4	1	<b>Lesson 4. Geographical Data Management Module (GEOMAN).</b>

	Session				<ol style="list-style-type: none"> <li>1. Setting up the GEOMAN module.</li> <li>2. Create, edit and delete data on logistics infrastructure objects.</li> <li>3. Export and import of geographic data.</li> </ol> <p><i>Independent work:</i> Terminology of the LOGFAS SPZ.</p> <ol style="list-style-type: none"> <li>1. Glossary of basic terms.</li> </ol>
28.	Group Session	7	6	1	<p><b>Lesson 5. LOGFAS Data Management Module (LDM).</b></p> <ol style="list-style-type: none"> <li>1. Set up the LDM module.</li> <li>2. Create, edit, and delete forces and equipment.</li> <li>3. Manage data slices (profiles of the state of force availability).</li> <li>4. Export and import of data on forces and equipment.</li> <li>5. Exchange of data slices (reports).</li> </ol> <p><i>Independent work:</i> The concept of Reportable Item Code (RIC).</p> <ol style="list-style-type: none"> <li>1. Working with RIC databases. Units of measurement.</li> </ol>
29.	Practical Session	7	6	1	<p><b>Lesson 6. Practical training on the use of LOGFAS tools.</b></p> <ol style="list-style-type: none"> <li>1. Complex task (Mission #1).</li> <li>2. Typical errors of operators when working with LOGFAS software, system failures and ways to eliminate them.</li> </ol> <p><i>Independent work:</i> Accounting for MTD.</p> <ol style="list-style-type: none"> <li>1. Repetition of the material. Preparation for the final test.</li> </ol>
30.	Practical Session	2	2		<p><b>Lesson 7. Algorithm of the LOGFAS operator.</b></p> <ol style="list-style-type: none"> <li>1. Algorithm of actions in the LCM module.</li> <li>2. Algorithm of actions in the GEOMAN module.</li> <li>3. Algorithm of actions in the LDM module.</li> </ol>
31.	Practical Session	4	4		<p><b>Lesson 8. Exit control.</b></p> <ol style="list-style-type: none"> <li>1. Complex task (Mission #2).</li> <li>2. Certification of listeners.</li> </ol>
<b>Total for the topic</b>		<b>34</b>	<b>30</b>	<b>4</b>	
<b>Section 2. Logistical support of combat operations.</b>					
<b>Topic 6. NATO Standard Operating Procedures.</b>					
32.	Group Session	2	2		<p><b>Lesson 1: Methods and content of work of logistics management bodies of military units.</b></p> <ol style="list-style-type: none"> <li>1. Methods of work of logistics management bodies.</li> <li>2. Sequence and content of work of logistics management bodies.</li> </ol>

33.	Group Session	2	2		<b>Lesson 2. General principles of the military decision-making process (MDMP).</b> 1. The history of the development of operations planning (warfare) of NATO member states. 2. Combat documents.
34.	Group Session	2	2		<b>Lesson 3. STAGE 1: Receiving the mission. Receiving the mission.</b> 1. Preparation (collection) of initial data, determination of priority measures to prepare logistics units for combat (march). 2. Calculation of time. Orientation of subordinates in preparation for battle (march). 3. Drawing the initial tactical and logistical situation on the working map of the chief of logistics. 4. Developing proposals for logistical support at the prior request of WARNO#1.
35.	Group Session	2	2		<b>Lesson 4. STAGE 2: Task analysis. Mission analysis. Part 1.</b> 1. Understand the task set by the higher authority (HA) and the commander. 2. Tasks and procedure for conducting logistics reconnaissance (reconnaissance).
36.	Group Session	2	2		<b>Lesson 5. STAGE 2: Task analysis. Mission analysis. Part 2.</b> 1. Assess the situation and draw conclusions from it. 2. Calculations of the need and provision of the military unit with material resources. 3. Developing proposals for logistical support at the prior request of WARNO#2.
37.	Group Session	2	2		<b>Lesson 6. STAGES 3-6.</b> 1. Development of action options. Source of action (SOA) development. 2. Analysis of options for action (battle simulation / modelling). COA Analysis (War Game). 3. Comparison of action options. COA Comparison. 4. Approval of the action option. COA Approval.
38.	Group Session	2	2		<b>Lesson 7. STAGE 7. Development of a logistics plan. Orders Production, Dissemination and Transition.</b> 1. Development, coordination and approval of the logistics plan. 2. Clarification, amendment of OPLAN/OPORD.
<b>Total for the topic</b>		<b>14</b>	<b>14</b>		
<b>Topic 7. Organisation of logistics support for a military unit in defence.</b>					
39.	Group Session	24	22	2	<b>Lesson 1: Logistics support measures for military units in combat and other operations.</b> 1. Preparation, deployment and movement of the rear. Supply and evacuation routes. 2. Organisation of logistics (rear) intelligence and logistics interaction (by rear services). 3. Use of the local industrial and economic base to supply the troops and solve other problems. Complex tactical task No. 2

					"Logistics support of a military unit in defence".
40.	Group Session	4	4		<b>Lesson 2. STAGE 1: Receiving the mission. Receiving the mission.</b> 1. Preparation (collection) of initial data, identification of priority measures to prepare logistics units for defence. 2. Calculating the time. Orientation of subordinates to prepare for defence. 3. Drawing the initial tactical and logistical situation on the working map of the chief of logistics. 4. Developing proposals for logistical support at the prior request of WARNO#1.
41.	Group Session	4	4		<b>Lesson 3. STAGE 2: Task analysis. Mission analysis. Part 1.</b> 1. Understand the task set by the higher authority (HA) and the commander. 2. Tasks and procedure for conducting logistics reconnaissance (reconnaissance).
42.	Group Session	4	4		<b>Lesson 4. Stage 2: Task analysis. Mission analysis. Part 2.</b> 1. Assess the situation and draw conclusions from it. 2. Calculations of the need and provision of the military unit with material resources. 3. Developing proposals for logistical support at the prior request of WARNO#2.
43.	Group Session	3	2	1	<b>Lesson 5. STAGES 3-6.</b> 1. Development of action options. Source of action (SOA) development. 2. Analysis of options for action (battle simulation / modelling). COA Analysis (War Game). 3. Comparison of action options. COA Comparison. 4. Approval of the action option. COA Approval. <i>Independent work:</i> Selecting a method of action options and conducting a briefing. 1. Selecting the method of drawing options.
44.	Group Session	5	4	1	<b>Lesson 6. STAGE 7. Development of a logistics plan. Orders Production, Dissemination and Transition.</b> 1. Development, coordination and approval of the logistics plan. 2. Clarification, amendment of OPLAN/OPORD. <i>Independent work:</i> Preparation of the LOC to manage logistics units in the course of defence. 1. Scheme of communication, control and interaction signals.
45.	Group Session	2	2		<b>Lesson 7. Management of logistics units of a military unit in the course of defence.</b> 1. Management of logistics units in the course of defence. 2. Situational tasks (actions based on the introductory ones).
<b>Total for the topic</b>		<b>24</b>	<b>22</b>	<b>2</b>	
<b>Control measures</b>		<b>6</b>	<b>6</b>		<b>Exam.</b>

<b>Total for the educational component</b>	<b>130</b>	<b>124</b>	<b>6</b>	
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#### **4.19. MS 3 "Material Support for Military Personnel"**

##### **The general objective of the educational programme component:**

providing knowledge on the organisation of material support of a military unit, documentation of property and technical means of the material service; mastering rational methods of work of an officer, development of creative thinking to solve complex professional problems; bringing diverse knowledge into a single toolkit for the successful performance of tasks of a tactical level logistics officer.

As a result of studying the discipline, the student should

to know:

organisation of the work of the military unit's (subdivision's) material support service;

organising the provision of material for personnel in peacetime;

the procedure and rules for keeping records of material assets of the material support service;

the procedure for controlling the economic activities of the property service;

the procedure for washing personnel in stationary and field conditions;

the duties of the head of the military unit's material support service in full.

be able to:

to organise and carry out measures to keep records of material and technical means of the military unit's material support service;

Maintain accounting and reporting documentation;

conduct training sessions with personnel on material liability in the context of preventing corruption;

to control the state of accounting and storage of material and technical means of the material support service;

organise the provision of military unit units with individual issue items according to staffing levels, time sheets and established peacetime (wartime) standards.

##### **Organisational and methodological guidelines:**

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:  
frontal form of training, when all students perform the same task at the same time under the supervision of a teacher;  
group form of training, when students are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;  
individual form of training, when students complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;  
training;  
situational and cognitive.

**Information and methodological support:**

Law of Ukraine of 20.12.1991 No. 2011-XII "On Social and Legal Protection of Servicemen and Members of Their Families.

Law of Ukraine of 24.03.1999 No. 548-XIV "On the Statute of the Internal Service of the Armed Forces of Ukraine".

Law of Ukraine dated 16.07.1999 No. 996-XIV "On Accounting and Financial Reporting in Ukraine".

Law of Ukraine of 21.09.1999 No. 1075-XIV "On the Legal Regime of Property in the Armed Forces of Ukraine".

Law of Ukraine of 21.09.1999 No. 1076-XIV "On Economic Activity in the Armed Forces of Ukraine".

Law of Ukraine of 03.10.2019 No. 160-IX "On the Material Liability of Servicemen and Persons Equated to Them for Damage Caused to the State".

Law of Ukraine dated 17.07.2020 No. 808-IX "On Defence Procurement".

Resolution of the Cabinet of Ministers of Ukraine No. 116 dated 22 January 1996 "On Approval of the Procedure for Determining the Amount of Losses from Theft, Shortage, Destruction (Damage) of Material Assets".

Resolution of the Cabinet of Ministers of Ukraine of 03.05.2000 No. 748 "On Approval of the Regulation on Inventory of Military Property in the Armed Forces".

Resolution of the Cabinet of Ministers of Ukraine of 04.08.2000 No. 1225 "On Approval of the Regulation on the Procedure for Accounting, Storage, Write-Off and Use of Military Property in the Armed Forces".

Resolution of the Cabinet of Ministers of Ukraine of 08.10.2014 No. 527 "On Approval of the Standards for Providing Persons in Custody with Bedding, Clothing and Footwear".

Resolution of the Cabinet of Ministers of Ukraine dated 16.03.2016 No. 178 "On Approval of the Procedure for Payment of Monetary Compensation for Unreceived Property to Servicemen of the Armed Forces, the National Guard, the Security Service, the Foreign Intelligence Service, the State Border Guard Service, the State Special Transport Service, the State Service for Special Communications and Information Protection and the State Protection Department".

Order of the Minister of Defence of Ukraine of 16.07.1997 No. 300 "On Approval of the Regulation on the Military (Ship) Economy of the Armed Forces of Ukraine".

Order of the Minister of Defence of Ukraine of 05.06.2001 No. 185 "On Approval of the Instruction on Organisation of Burial of Servicemen Who Died (died) during Military Service".

Order of the Ministry of Defence of Ukraine of 19.08.2014 No. 541 "On the Acceptance of Body Armour for the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine of 19.12.2014 No. 905 "On Approval of Methodological Recommendations on Organisation and Management of Accounting in the Armed Forces of Ukraine." - Kyiv: 2014.

Order of the Ministry of Defence of Ukraine of 31.12.2014 No. 943 "On Approval of the Limitations of Storage of Individual Issue Items in the Armed Forces of Ukraine." - Kyiv: 2014.

Order of the Ministry of Defence of Ukraine and the Prosecutor General's Office of Ukraine of 18.03.2016 No. 148/122 "On Approval of the Instruction on Organisation and Implementation of Material and Other Support of Military Prosecutor's Offices".

Order of the Ministry of Defence of Ukraine of 29.04.2016 No. 232 "On the provision of material to the military personnel of the Armed Forces of Ukraine and the State Special Transport Service".

Order of the Ministry of Defence of Ukraine of 18.07.2017 No. 370 "On Approval of Samples of Military Uniforms and General Requirements for Insignia of Military Personnel and Students of Military Lyceums".

Order of the Ministry of Defence of Ukraine dated 19.07.2017 No. 375 "On Approval of the Procedure for Controlling the Quality of Individual Issue Items Supplied for the Needs of the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine dated 17.08.2017 No. 440 "On Approval of the Instruction on Accounting for Military Property in the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine of 20 November 2017 No. 606 "On Approval of the Rules for Wearing Military Uniforms and Insignia by Servicemen of the Armed Forces of Ukraine, the State Special Transport Service and Students of Military Lyceums".

Order of the Ministry of Defence of Ukraine dated 07.12.2018 No. 617 "On the Approval of the Mobile Laundry Module MLPM for Operation in the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine dated 29.03.2021 No. 81 "On Approval of the Procedure for Write-Off of Military Property in the Armed Forces of Ukraine and the State Special Transport Service".

Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 12.04.2010 No. 55 "Table of urgent reports on operational and logistical support of troops (forces) for peacetime" - K.: 2010.

Order of the General Staff of the Armed Forces of Ukraine of 29.10.2018 No. 357 "On Approval of the Regulation on the material support service in the Armed Forces of Ukraine." - Kyiv: 2018.

Order of the Chief of the Logistics of the Armed Forces of Ukraine No. 262 "On Approval of the Guidelines for the Organisation of Operation and Repair of Equipment of the Property Service of the Armed Forces of Ukraine" of 18.11.2016 - K.: 2016.

Order of the Commander of military unit A2516 of 28.12.2017 No. 312 "On Approval of the Temporary Instruction on Bath and Laundry Services for the Personnel of the Armed Forces of Ukraine for Peacetime and Special Period." - K.: 2017.

Order of the Commander of Military Unit A2516 of 28.08.2018 No. 235 "On Approval of the Instruction on the Procedure for Culling, Cutting (Disassembly) and Writing Off Individual Issue Items, the Procedure for the Sale and Use of Secondary Resources (Materials) and the Disposal of Scrap." - K.: 2018.

Logistics of the Troops (Forces) of the Armed Forces of Ukraine: a textbook - K.: Ivan Chernyakhovskyi National Defence University of Ukraine, 2018. 192 p.

Order of the General Staff of the Armed Forces of Ukraine No. 340 of 2016 "On Approval of the Instruction on Organisation of Internal Control in the Armed Forces of Ukraine".

A collection of examples of combat experience. Military Academy (Odesa), June 2023, July 2023.

### Titles of topics and distribution of study time by type of study session

No. s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
<b>Topic 1: Organisation of material support for the military personnel of the Armed Forces of Ukraine.</b>					
1	Lecture	4	2	2	<b>Lesson 1: Organisation of material support for the military personnel of the Armed Forces of Ukraine in peacetime and special periods.</b> 1. The essence, purpose and objectives of material support. 2. Procedure for the provision of individual issue items in the Armed Forces of Ukraine. 3. The procedure for reclaiming tangible property. <i>Independent work:</i> Providing military units of the Armed Forces of Ukraine with individual issue items in peacetime.
2	Group Session	4	2	2	<b>Lesson 2: Organisation and tasks of the military unit's material support service.</b> 1. The organisational structure of the military unit's material support service. 2. Classification of real property. <i>Independent work:</i> Duties of the officials of the property service.
3	Group Session	2	2		<b>Lesson 3: Duties of the military unit's material support service officials.</b> 1. Duties of the chief of the military unit's material support service. 2. Duties of other officials of the military unit's material support service.
<b>Total for the topic</b>		<b>10</b>	<b>6</b>	<b>4</b>	
<b>Topic 2: Organisation of accounting of individual issue items in a military unit.</b>					

4	Lecture	2	2		<b>Lesson 1: Accounting for property in a military unit.</b> 1. The importance, objectives and requirements of accounting. 2. Procedure for keeping records of individual issue items in the material support service of a military unit.
5	Group Session	4	2	2	<b>Lesson 2: Accounting of individual issue items in a military unit.</b> 1. Procedure for the preparation, execution and maintenance of accounting documents for the material support service. <i>Independent work:</i> Organisation and procedure for keeping records of individual issue items in units of a military unit and at facilities of the material support service.
6	Practical Session	4	4		<b>Lesson 3: Procedure for keeping records of individual issue items in the records of the military unit's material support service.</b> 1. Keeping records of individual issue items in the records of the material service.
7	Practical Session	4	2	2	<b>Lesson 4. The procedure for keeping records of individual issue items in the material warehouse of a military unit.</b> 1. Keeping records of tangible property in a tangible warehouse. <i>Independent work:</i> Accounting of individual issue items in the material warehouse of a military unit.
8	Practical Session	4	2	2	<b>Lesson 5. Procedure for keeping records of tangible property in a unit.</b> 1. Accounting for tangible property in the unit. 2. Keeping accounting books in the unit. <i>Independent work:</i> Accounting for tangible property in a unit.
9	Group Session	2	2		<b>Lesson 6. Organisation of material support for servicemen of the Armed Forces of Ukraine and accounting of military property in the Armed Forces of Ukraine.</b> 1. Organisation of the provision of material support to the military personnel of the Armed Forces of Ukraine and accounting of military property in the Armed Forces of Ukraine. 2. Modular control.
<b>Total for the topic</b>		<b>20</b>	<b>14</b>	<b>6</b>	
<b>Topic 3: Organisation of receipt and transfer of tangible property.</b>					
10	Lecture	4	2	2	<b>Lesson 1: Organisation and procedure for obtaining individual issue items by a military unit.</b> 1. Organisation and procedure for obtaining individual issue items from the CCA. <i>Independent work:</i> Obtaining individual issue items from the Central Defence Agency

11	Practical Session	4	4		<b>Lesson 2: Documentation of the receipt of individual issue items from the Central Storage Facility.</b> 1. Accounting transactions when receiving tangible property from the CCA.
12	Lecture	4	2	2	<b>Lesson 3: Organisation and procedure for receiving individual issue items by a military unit.</b> 1. Organisation and procedure for receiving individual issue items in accordance with the orders of the CMC from another military unit. <i>Independent work:</i> Organisation and procedure for obtaining individual issue items by a military unit.
13	Group Session	2	2		<b>Lesson 4. Organisation and procedure for obtaining individual issue items by a military unit.</b> 1. Organisation and procedure for receiving individual issue items in accordance with the orders of the CMC from another military unit.
14	Practical Session	4	4		<b>Lesson 5. Documentation of the acceptance and transfer of individual issue items from one military unit to another.</b> 1. Accounting transactions when receiving individual issue items from another military unit.
15	Practical Session	2	2		<b>Lesson 6. Documentation of the acceptance and transfer of individual issue items from one military unit to another.</b> 1. Accounting transactions for the transfer of individual issue items to another military unit.
16	Lecture	4	2	2	<b>Lesson 7. Organisation and procedure for obtaining individual issue items by a military unit.</b> 1. The organisation and procedure for the transfer of individual issue items with servicemen from one military unit to another. <i>Independent work:</i> Transfer and reception of individual issue items with military personnel.
17	Group Session	2	2		<b>Lesson 8. Organisation, procedure and documentation of receipt of individual issue items by a military unit.</b> 1. Organisation, procedure and documentation of receipt of individual issue items by a military unit.
18	Practical Session	4	4		<b>Lesson 9. Documentation of the acceptance and transfer of individual issue items from one military unit to another.</b> 1) Accounting transactions for the transfer of individual issue items with military personnel from one military unit to another.
19	Practical Session	2	2		<b>Lesson 10. Accounting operations for acceptance of individual issue items received by a military unit by road.</b> 1. Documentation of receipt of individual issue items received by the military unit by road.

20	Practical Session	4	2	2	<b>Lesson 11: Accounting transactions in case of attachment to the military unit's material support.</b> 1. Accounting transactions in the case of attachment to the military unit's material support. <i>Independent work:</i> Receipt and transfer of tangible property.
<b>Total for the topic</b>		<b>36</b>	<b>28</b>	<b>8</b>	
<b>Control measures</b>		<b>4</b>	<b>4</b>		<b>Credit.</b>
<b>Total for the educational component</b>		<b>70</b>	<b>52</b>	<b>18</b>	

#### 4.20. MS 4 "Organisation of Material Support"

**The general objective of the educational programme component:**

to provide knowledge for further service as officers who are able to organise and conduct practical classes with junior specialists, clarify tasks, study the situation, make decisions and provide proposals to the chief of the unit's material service on providing material resources of the material service; creation and maintenance of stocks of individual issue items; bath and laundry services for military personnel of military units; organisation and conduct of repair of individual issue items, technical means of the material service, chemical cleaning of equipment

As a result of studying the discipline, the student should

*to know:*

organisational structure and tasks of the military unit's material support service;

organisation of material support for the military unit;

organising bath and laundry services for personnel;

basics and rules for providing individual issue items and technical means of the material service;

organisation of protection of individual issue items and service facilities from weapons of mass destruction, measures to restore the service's combat capability;

the procedure and rules for keeping records of property and material assets of the property service.

*be able to:*

to manage the military unit's material support service and organise the operation of its facilities;

to make decisions and manage units during combat missions, in terms of logistics;

to clarify tasks, assess the situation, make decisions as a chief of the military unit's material service in various types of tactical operations;

keeping records and reporting on the material support service;

plan the economic activities of the property service and the special training of junior specialists of the service;

to carry out systematic control over the economic activities of the service.

**Organisational and methodological guidelines:**

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

Frontal learning, when all students perform the same task at the same time under the supervision of a teacher;  
group form of training, when students are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;  
individual form of training, when students complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;  
training;  
situational and cognitive.

**Information and methodological support:**

Law of Ukraine of 20.12.1991 No. 2011-XII "On Social and Legal Protection of Servicemen and Members of Their Families.

Law of Ukraine of 24.03.1999 No. 548-XIV "On the Statute of the Internal Service of the Armed Forces of Ukraine".

Law of Ukraine dated 16.07.1999 No. 996-XIV "On Accounting and Financial Reporting in Ukraine".

Law of Ukraine of 21.09.1999 No. 1075-XIV "On the Legal Regime of Property in the Armed Forces of Ukraine".

Law of Ukraine of 21.09.1999 No. 1076-XIV "On Economic Activity in the Armed Forces of Ukraine".

Law of Ukraine of 03.10.2019 No. 160-IX "On the Material Liability of Servicemen and Persons Equated to Them for Damage Caused to the State".

Law of Ukraine dated 17.07.2020 No. 808-IX "On Defence Procurement".

Resolution of the Cabinet of Ministers of Ukraine No. 116 dated 22 January 1996 "On Approval of the Procedure for Determining the Amount of Losses from Theft, Shortage, Destruction (Damage) of Material Assets".

Resolution of the Cabinet of Ministers of Ukraine of 03.05.2000 No. 748 "On Approval of the Regulation on Inventory of Military Property in the Armed Forces".

Resolution of the Cabinet of Ministers of Ukraine of 04.08.2000 No. 1225 "On Approval of the Regulation on the Procedure for Accounting, Storage, Write-Off and Use of Military Property in the Armed Forces".

Resolution of the Cabinet of Ministers of Ukraine of 08.10.2014 No. 527 "On Approval of the Standards for Providing Persons in Custody with Bedding, Clothing and Footwear".

Resolution of the Cabinet of Ministers of Ukraine dated 16.03.2016 No. 178 "On Approval of the Procedure for Payment of Monetary Compensation for Unreceived Property to Servicemen of the Armed Forces, the National Guard, the Security Service, the Foreign Intelligence Service, the State Border Guard Service, the State Special Transport Service, the State Service for Special Communications and Information Protection and the State Protection Department".

Order of the Minister of Defence of Ukraine of 16.07.1997 No. 300 "On Approval of the Regulation on the Military (Ship) Economy of the Armed Forces of Ukraine".

Order of the Minister of Defence of Ukraine of 05.06.2001 No. 185 "On Approval of the Instruction on Organisation of Burial of Servicemen Who Died (died) during Military Service".

Order of the Ministry of Defence of Ukraine of 19.08.2014 No. 541 "On the Acceptance of Body Armour for the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine of 19.12.2014 No. 905 "On Approval of Methodological Recommendations on Organisation and Management of Accounting in the Armed Forces of Ukraine." - Kyiv: 2014.

Order of the Ministry of Defence of Ukraine of 31.12.2014 No. 943 "On Approval of the Limitations of Storage of Individual Issue Items in the Armed Forces of Ukraine." - Kyiv: 2014.

Order of the Ministry of Defence of Ukraine and the Prosecutor General's Office of Ukraine of 18.03.2016 No. 148/122 "On Approval of the Instruction on Organisation and Implementation of Material and Other Support of Military Prosecutor's Offices".

Order of the Ministry of Defence of Ukraine of 29.04.2016 No. 232 "On the provision of material support to the military personnel of the Armed Forces of Ukraine and the State Special Transport Service".

Order of the Ministry of Defence of Ukraine of 18.07.2017 No. 370 "On Approval of Samples of Military Uniforms and General Requirements for Insignia of Military Personnel and Students of Military Lyceums".

Order of the Ministry of Defence of Ukraine dated 19.07.2017 No. 375 "On Approval of the Procedure for Controlling the Quality of Individual Issue Items Supplied for the Needs of the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine dated 17.08.2017 No. 440 "On Approval of the Instruction on Accounting for Military Property in the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine of 20 November 2017 No. 606 "On Approval of the Rules for Wearing Military Uniforms and Insignia by Servicemen of the Armed Forces of Ukraine, the State Special Transport Service and Students of Military Lyceums".

Order of the Ministry of Defence of Ukraine dated 07.12.2018 No. 617 "On the Approval of the Mobile Laundry Module MLPM for Operation in the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine dated 29.03.2021 No. 81 "On Approval of the Procedure for Write-Off of Military Property in the Armed Forces of Ukraine and the State Special Transport Service".

Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 12.04.2010 No. 55 "Table of urgent reports on operational and logistical support of troops (forces) for peacetime" - K.: 2010.

Order of the General Staff of the Armed Forces of Ukraine of 29.10.2018 No. 357 "On Approval of the Regulation on the Material Support Service in the Armed Forces of Ukraine." - Kyiv: 2018.

Order of the Chief of the Logistics of the Armed Forces of Ukraine No. 262 "On Approval of the Guidelines for the Organisation of Operation and Repair of Equipment of the Property Service of the Armed Forces of Ukraine" of 18.11.2016 - K.: 2016.

Order of the Commander of military unit A2516 of 28.12.2017 No. 312 "On Approval of the Temporary Instruction on Bath and Laundry Services for the Personnel of the Armed Forces of Ukraine for Peacetime and Special Period." - K.: 2017.

Order of the Commander of Military Unit A2516 of 28.08.2018 No. 235 "On Approval of the Instruction on the Procedure for Culling, Cutting (Disassembly) and Writing Off Individual Issue Items, the Procedure for the Sale and Use of Secondary Resources (Materials) and the Disposal of Scrap." - K.: 2018.

Logistics of the Troops (Forces) of the Armed Forces of Ukraine: a textbook - K.: Ivan Chernyakhovskyi National Defence University of Ukraine, 2018. 192 p.

Order of the General Staff of the Armed Forces of Ukraine No. 340 of 2016 "On Approval of the Instruction on Organisation of Internal Control in the Armed Forces of Ukraine".

A collection of examples of combat experience. Military Academy (Odesa), June 2023, July 2023.

## Titles of topics and distribution of study time by type of study session

No. s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
<b>Topic 1: Procedure for providing military personnel of the Armed Forces with inventory property in peacetime and special periods.</b>					
1	Lecture	4	2	2	<b>Lesson 1: Organisation of provision of inventory in a military unit.</b> 1. Procedure for providing units and personnel with inventory items. <i>Independent work:</i> Organisation of provision of inventory property in a military unit.
2	Group Session	4	2	2	<b>Lesson 2: Procedure and documentation of providing military personnel and units of a military unit with inventory property.</b> 1. Organisation, procedure and documentation of provision of servicemen and units of a military unit with inventory property. <i>Independent work:</i> Procedure and documentation of provision of military personnel and units of a military unit with inventory property.
3	Group Session	2	2		<b>Lesson 3: Organisation, procedure and documentation of the transfer of inventory property from one unit to another.</b> 1. Organisation, procedure and documentation of the transfer of inventory property from one unit to another.

4	Practical Session	8	6	2	<p><b>Lesson 4. Organisation and documentation of the provision of inventory property to units and personnel of a military unit.</b></p> <p>1. Documentation of the provision of inventory property to military units.</p> <p><i>Independent work:</i> Documentation of the provision of inventory property to personnel in a military unit.</p>
5	Practical Session	8	6	2	<p><b>Lesson 5. Documentation of the transfer of inventory property from the unit.</b></p> <p>1. Procedure and documentation of the transfer of inventory property from one unit to another.</p> <p>2. Procedure and documentation of the delivery of inventory property from the unit to the material warehouse.</p> <p><i>Independent work:</i> Procedure and documentation of the transfer of inventory property from one unit to another.</p>
6	Group Session	4	4		<p><b>Lesson 6. Procedure for providing military personnel of the Armed Forces with inventory property in peacetime and special periods.</b></p> <p>1. Procedure for providing servicemen of the Armed Forces with inventory property in peacetime and special periods.</p>
<b>Total for the topic</b>		<b>30</b>	<b>22</b>	<b>8</b>	
<b>Topic 2. Procedure for writing off individual issue items in a military unit.</b>					
7	Lecture	2	2		<p><b>Lesson 1: Organisation of the culling of individual issue items in a military unit.</b></p> <p>1. Procedure for the discarding of individual issue items in a military unit.</p>
8	Group Session	4	2	2	<p><b>Lesson 2: Organisation of the write-off of individual issue items in a military unit.</b></p> <p>1. Procedure for writing off individual issue items in a military unit.</p> <p><i>Independent work:</i> Procedure for changing the quality condition and writing off tangible property by the terms of wear.</p>
9	Practical Session	4	4		<p><b>Lesson 3: Organisation and documentation of the culling of individual issue items in a military unit.</b></p> <p>1. Documentation of the rejection of tangible property.</p>

10	Practical Session	6	4	2	<p><b>Lesson 4. Organisation and documentation of the distribution of individual issue items in a military unit.</b></p> <p>1. Documentation of the tearing up of tangible property.</p> <p><i>Independent work:</i> Procedure for writing off individual issue items in a military unit.</p>
11	Group Session	4	4		<p><b>Lesson 5. Procedure for writing off individual issue items in a military unit.</b></p> <p>1. Procedure for writing off individual issue items in a military unit.</p>
<b>Total for the topic</b>		<b>20</b>	<b>16</b>	<b>4</b>	
<b>Topic 3: Organisation of the provision of individual issue items to contract servicemen, persons liable for military service and reservists.</b>					
12	Lecture	4	2	2	<p><b>Lesson 1: Provision of individual issue items to contract servicemen, women servicemen and persons liable for military service.</b></p> <p>1. Procedure and organisation of the provision of individual issue items to contract servicemen, servicewomen and persons liable for military service.</p> <p>2. Procedure and organisation of individual tailoring of uniforms in the studio</p> <p><i>Independent work:</i> Provision of individual issue items to contract servicemen, women servicemen and persons liable for military service.</p>
13	Group Session	2	2		<p><b>Lesson 2: Organisation and procedure for the provision of individual issue items to contract servicemen, women servicemen and persons liable for military service.</b></p> <p>1. The organisation and procedure for the provision of individual issue items to contract servicemen, servicewomen and persons liable for military service.</p>
14	Practical Session	8	6	2	<p><b>Lesson 3: Organisation and documentation of the issuance of individual issue items to contract servicemen.</b></p> <p>1. Documentation of the issuance of personal property to contract servicemen.</p> <p>2. Documentation of the issuance of individual issue items to contract servicemen instead of other items.</p> <p><i>Independent work:</i> Issuance of individual issue items to contract servicemen.</p>
15	Practical Session	2	2		<p><b>Lesson 4. Organisation and documentation of the issuance of individual issue items to contract servicemen.</b></p> <p>1. Documentation of the issuance of inventory property to contract servicemen.</p>

16	Practical Session	6	6		<p><b>Lesson 5. Organisation and documentation of the issue of individual issue items to contract servicemen in case of transfer from military units belonging to the first group of provision of individual issue items to military units belonging to the second group and vice versa.</b></p> <p>1. Documentation of the issuance of individual issue items to contract servicemen in case of transfer from military units belonging to the first group of provision of individual issue items to military units belonging to the second group and vice versa.</p>
17	Practical Session	4	2	2	<p><b>Lesson 6. Procedure and documentation of individual tailoring in the studio.</b></p> <p>1. Organisation, procedure and documentation of individual tailoring of uniforms in the studio.</p> <p><i>Independent work:</i> Organisation of provision of individual issue items to contract servicemen, persons liable for military service and reservists.</p>
18	Group Session	4	4		<p><b>Lesson 7. Organisation of the provision of individual issue items to contract servicemen, persons liable for military service and reservists.</b></p> <p>1. Organising the provision of individual issue items to contract servicemen, persons liable for military service and reservists.</p>
<b>Total for the topic</b>		<b>30</b>	<b>24</b>	<b>6</b>	
<b>Topic 4. Procedure for settlements with servicemen who are discharged or retired.</b>					
19	Lecture	4	2	2	<p><b>Lesson 1: Procedure for calculating monetary compensation in lieu of individual issue items to be issued and the value of debt for individual issue items to servicemen who are discharged or retired.</b></p> <p>1. Procedure for calculating monetary compensation in lieu of individual issue items to be issued and the value of debt for individual issue items to servicemen who are discharged or retired.</p> <p><i>Independent work:</i> Procedure for calculating monetary compensation in lieu of individual issue items to be issued and the value of debt for individual issue items to servicemen who are discharged into the reserve or retired.</p>
20	Group Session	2	2		<p><b>Lesson 2: Procedure for calculating monetary compensation in lieu of individual issue items to be issued and the value of debt for individual issue items to servicemen who are discharged or retired and the procedure for taxation of monetary compensation for unreceived individual issue items.</b></p> <p>1. Procedure for calculating monetary compensation in lieu of individual issue items to be issued and the value of debt for individual issue items to servicemen who are discharged or retired and the procedure for taxation of monetary compensation for unreceived individual issue items.</p>

21	Practical Session	6	4	2	<p><b>Lesson 3: Organisation and documentation of settlements with servicemen who are discharged into the reserve or retired with the right to wear military uniforms.</b></p> <p>1. Organisation and documentation of settlements with servicemen who are discharged into the reserve or retired with the right to wear military uniforms.</p> <p><i>Independent work:</i> Settlement of accounts with servicemen who are discharged to the reserve without the right to wear military uniforms and in other cases.</p>
22	Practical Session	6	6		<p><b>Lesson 4. Organisation and documentation of settlements with servicemen who are discharged into the reserve without the right to wear military uniforms and in other cases.</b></p> <p>1. Organisation and documentation of settlements with servicemen who are discharged into the reserve without the right to wear military uniforms and in other cases.</p>
<b>Total for the topic</b>		<b>18</b>	<b>14</b>	<b>4</b>	
<b>Topic 5. Liability of servicemen and women.</b>					
23	Lecture	2	2		<p><b>Lesson 1: Liability of military personnel for damages caused to the state.</b></p> <p>1. Types of liability.</p> <p>2. Determination of the amount of actual damage.</p>
24	Group Session	2	2		<p><b>Lesson 2: Compensation for damage caused to the state.</b></p> <p>1. Write-off of losses of tangible property at the expense of the perpetrators.</p> <p>2. Procedure for writing off tangible property on the basis of inspector's certificates</p>
25	Seminar	2	2		<p><b>Lesson 3. Ensuring the safety of individual issue items in a military unit.</b></p> <p>1. Ensuring the safety of individual issue items in a military unit.</p>
26	Practical Session	4	2	2	<p><b>Lesson 4. The procedure for recording losses and shortages of tangible property in registers.</b></p> <p>1. The procedure for recording losses and shortages of tangible property in the registers of accounting for losses and shortages.</p> <p>2. Documentation of the write-off of individual issue items on the basis of inspection certificates lost during the Joint Forces Operation.</p> <p><i>Independent work:</i> Procedure for documenting the write-off of tangible property on the basis of inspector's certificates.</p>
27	Group Session	2	2		<p><b>Lesson 5. Liability of military personnel.</b></p> <p>1. Material liability of military personnel.</p>

<b>Total for the topic</b>		<b>12</b>	<b>10</b>	<b>2</b>	
<b>Topic 6: Organisation of material support in special conditions.</b>					
28	Lecture	4	2	2	<b>Lesson 1: Organisation of the work of the military unit's material support service during the formation and disbandment of a military unit.</b> 1. The work of the property service during the formation and disbandment of a military unit. <i>Independent work:</i> The work of the property service in the formation and disbandment of a military unit.
29	Group Session	2	2		<b>Lesson 2. The work of the property service during the formation and disbandment of a military unit.</b> 1. The work of the property service during the formation and disbandment of a military unit.
<b>Total for the topic</b>		<b>6</b>	<b>4</b>	<b>2</b>	
<b>Topic 7. Organisation of control of economic activity in a military unit.</b>					
30	Lecture	4	2	2	<b>Lesson 1: Control of the economic activity of the military unit's property service.</b> 1. Tasks, types and forms of control over the economic activity of a military unit. 2. The procedure for controlling the economic activity of a military unit. <i>Independent work:</i> Organisation of control over the economic activity of the military unit's property service.
31	Group Session	2	2		<b>Lesson 2: Organisation and control of the economic activities of the property service.</b> 1. Organise and conduct control of the economic activities of the warehouse service.
32	Group Session	4	4		<b>Lesson 3: Documentation of the results of controlling the economic activities of the property service.</b> 1. Procedure for conducting an inventory of military property of the military service and documenting the results. 2. Procedure for conducting an audit of the economic activities of the property service and documenting the results.
<b>Total for the topic</b>		<b>10</b>	<b>8</b>	<b>2</b>	
<b>Topic 8: The procedure for preparing annual reports.</b>					
33	Lecture	4	2	2	<b>Lesson 1: Reporting on material support service in a military unit.</b> 1. Meaning and requirements for reporting. 2. Preparatory activities and initial data for the preparation of the application documents. <i>Independent work:</i> List and description of reporting documents.

34	Practical Session	4	2	2	<p><b>Lesson 2. Report on the provision of tangible personal property for the current year and application for the next year, form I/rech.</b></p> <p>1. Procedure for preparing a report on the provision of tangible property for the current year and an application for the next year, Form I/rec. section I.</p> <p>2. Procedure for preparing a report on the provision of sports, wagon and household property and decorative fabrics in the current year and an application for the next year, Form I/refer to Section II.</p> <p><i>Independent work:</i> Procedure for preparing a report on special and sanitary clothing, personal protective equipment for workers and employees, uniforms for paramilitary and fire protection and children's property, and an application for the next year, Form I/ Section III.</p>
35	Group Session	4	2	2	<p><b>Lesson 3. Report on the implementation of the plan of repair, chemical cleaning of individual issue items and request for repair materials, equipment, tools for the next year, Form 2/item and Report on bath and laundry services of troops (forces), request for detergents, bath and laundry equipment, inventory and spare parts for the next year, Form 3/item.</b></p> <p>1. Procedure for preparing a report on the implementation of the plan for repair, chemical cleaning of individual issue items and a request for repair materials, equipment, tools for the next year, Form 2/item.</p> <p>2. Procedure for drawing up a report on bath and laundry services for troops (forces), requests for detergents, bath and laundry equipment, inventory and spare parts for the next year, Form 3/stuff.</p> <p>3. Procedure for preparing a report on the availability, movement and renewal of fixed assets, Form 4/rec.</p> <p><i>Independent work:</i> Procedure for preparing a report on the detected loss of material assets Form 18/T</p>
<b>Total for the topic</b>		<b>12</b>	<b>6</b>	<b>6</b>	
<b>Topic 9: Procedure for keeping records and providing individual issue items during special operations. 6 4 2</b>					
36	Lecture	2	2		<p><b>Lesson 1: Accounting for tangible property received in the form of charitable assistance and trophy tangible property.</b></p> <p>1. Peculiarities of accounting for tangible property received in the form of charitable assistance to the Armed Forces of Ukraine.</p> <p>2. Peculiarities of accounting for trophy property.</p>

37	Group Session	4	2	2	<p><b>Lesson 2: Procedure and documentation of the provision of individual issue items to servicemen called up for mobilisation.</b></p> <p>1. Procedure and documentation of the provision of individual issue items to servicemen called up for mobilisation.</p> <p><i>Independent work:</i> Peculiarities of material support of the Armed Forces of Ukraine in a special period.</p>
<b>Total for the topic</b>		<b>6</b>	<b>4</b>	<b>2</b>	
<b>Topic 10. Receiving and handing over cases and positions by the head of the property service.</b>					
38	Lecture	2	2		<p><b>Lesson 1: Planning the work of receiving and delivering cases and the position of the head of the property service.</b></p> <p>1. Planning the work of receiving and handing over cases and the position of the head of the property service.</p>
39	Group Session	4	2	2	<p><b>Lesson 2: Procedure for accepting and handing over cases and positions by the head of the property service.</b></p> <p>1. Procedure for accepting and handing over cases and positions by the head of the property service.</p> <p><i>Independent work:</i> Documentation of the acceptance and delivery of cases and the position of the head of the material service.</p>
40	Group Session	4	2	2	<p><b>Lesson 3: Procedure and documentation of acceptance and handover of cases and positions by the head of the property service.</b></p> <p>1. Procedure and documentation of acceptance and handover of files and positions by the head of the property service.</p> <p><i>Independent work:</i> Documentation of the acceptance and delivery of cases and the position of the head of the material service.</p>
<b>Total for the topic</b>		<b>10</b>	<b>6</b>	<b>4</b>	
<b>Control measures</b>		<b>6</b>	<b>6</b>		<b>Examination</b>
<b>Total for the educational component</b>		<b>160</b>	<b>120</b>	<b>40</b>	

#### 4.21. MS 5 "Bath and laundry service"

**The general objective of the discipline:**

providing knowledge on the ability to organise and conduct practical training with junior specialists, i.e. clarifying the task, studying the situation, developing solutions and providing proposals to the head of the military unit's material service regarding material support in the main types of combat, managing logistics units in the main types of tactical operations, maintaining material support in the military unit, documenting individual issue items during receipt, operation and write-off.

*As a result of studying the discipline, the student should  
to know:*

the main provisions of the guiding documents on the organisation of logistics support for the military material support service;  
the main indicators of the purpose and technical characteristics of the material support service equipment;  
the organisation and provisions of the guiding documents for the laundry service of troops;  
organisation of safety procedures for the operation of technical facilities, rules for the operation of technical facilities and other technological equipment, and fire prevention procedures;

Procedure for providing technical means of material support service of a military unit

planning of repairs and quality control of the repair of property service equipment and the timing of its implementation.

*be able to:*

to qualitatively organise and provide technical means for the military unit's material support service, analyse and identify ways to improve it;  
to receive, store, maintain and account for the technical means of the material support service;  
organise and provide high-quality laundry and washing for personnel both at the point of permanent deployment and in the field;  
deploy field equipment to the working position, prepare it for operation, fold it and take measures for its storage;  
use computer equipment to automate the record keeping of technical means of the material support service;  
work on the technical means of the property service;  
develop plans for the work of the property service;  
organise and conduct classes with junior specialists of the property service.

### **Organisational and methodological guidelines:**

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

Frontal learning, when all students perform the same task at the same time under the supervision of a teacher;  
group form of training, when students are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;  
individual form of training, when students complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;  
training;  
situational and cognitive.

### **Information and methodological support:**

Order of the Ministry of Defence of Ukraine dated 17.08.17 No. 440 "Instruction on Accounting for Military Property in the Armed Forces of Ukraine".

Order of the Ministry of Defence of Ukraine of 29.04.2016 No. 232 "On the provision of material support to the military personnel of the Armed Forces of Ukraine".

Order of the MoD of 18.07.2017 No. 370 "On Approval of Samples of Military Uniforms and General Requirements for Insignia of Military Personnel and Students of Military Lyceums".

MoD Order No. 300 of 16.07.1997 "Regulations on the Military (Ship) Economy of the Armed Forces of Ukraine".

Resolution of the Cabinet of Ministers of Ukraine of 3 May 2000, No. 748 "On Approval of the Regulation on Inventory of Military Property in the Armed Forces".

Temporary Guidelines on Logistical Support of Combat Operations of Military Units (Subdivisions) of the Land Forces of the Armed Forces of Ukraine (draft) - Kyiv: CSR of the Armed Forces of Ukraine, 2019.

Temporary instruction on bath and laundry services for the personnel of the Armed Forces of Ukraine for peacetime and special period, approved by the order of the commander of military unit A2516 of 28.12.2017 No. 312.

Regulation on the Procedure for the Creation, Storage, Renewal (Replacement), and Use of Immovable Stocks of Logistics Equipment and Other Logistics Material in the Armed Forces of Ukraine, approved by Order of the Ministry of Defence of Ukraine No. 6t of 13.05.2016

Methodological Recommendations on the Organisation and Maintenance of Accounting in the Armed Forces of Ukraine, approved by the Order of the Ministry of Defence of Ukraine No. 905 dated 19.12.2014 (as amended)

Standard of conventional symbols (second standard) for graphic design of operational (combat) documents STP 01.010.001-2014 (01), approved by the Order of the General Staff of the Armed Forces of Ukraine No. 187 dated 24.07.2014.

Methodological recommendations on the organisation of logistics support in the base camps of brigades (battalions), company (platoon) strongholds and combat positions - K.: Ryl AFU, 2016. - 19 p.

Order of the Chief of the Logistics of the Armed Forces of Ukraine No. 262 "On Approval of the Guidelines for the Organisation of Operation and Repair of Equipment of the Property Service of the Armed Forces of Ukraine", 18 November 2016.

Order of the Scientific and Technical Department of the Armed Forces of Ukraine of 28.12.2017 No. 312 "On Approval of the Temporary Instruction on Laundry Services for the Personnel of the Armed Forces of Ukraine for Peacetime and Special Period".

Order of the Chief of the General Staff of the Armed Forces of Ukraine of 22.03.2007 No. 50 "On approval and introduction of the Time Table of urgent reports on the issues of material and technical support of troops (forces) in peacetime.

Technical means of the material support service. Training manual, part I, OISV 2000

Technical means of the material support service. Training manual, part II, OISV 2000

Guidelines for the operation and preservation of tents in military units 2016.

A collection of examples of combat experience. Military Academy (Odesa), June 2023, July 2023.

### **Titles of topics and distribution of study time by type of study session**

№ s/n	Types training classes, control events	Total hours	Among them.		Topic title and study questions
			Audit hours	Independent work	
<b>Topic 1: The procedure for providing bath and laundry services in the Armed Forces of Ukraine.</b>					

1.	Lecture	4	2	2	<p><b>Lesson 1: Bath and laundry services and the procedure for providing them to the personnel of the Armed Forces of Ukraine.</b></p> <p>1. Organisation of washing of personnel of military units of the Armed Forces of Ukraine.  2. Organising the laundry of military property in military units.  3. Duties of officials in relation to the provision of bath and laundry services.  <i>Independent work:</i> Bath and laundry services and the procedure for providing for the personnel of the Armed Forces of Ukraine.</p>
2.	Lecture	4	2	2	<p><b>Lesson 2: Organisation of bathing facilities for military unit personnel in stationary conditions (PFU).</b></p> <p>1. Equipment and requirements for the maintenance of military baths.  2. Sanitary rules for the maintenance of baths...  3. Accounting for bath and laundry services in military units.  <i>Independent work:</i> Organisation of bathing facilities for military unit personnel in stationary conditions (PPD).</p>
3.	Group Session	2	2		<p><b>Lesson 3: Organisation of bathing facilities for military unit personnel in stationary conditions (PFU).</b></p> <p>1. Planning the work of bath and laundry enterprises, accounting and reporting.  2. Logistical support of bath and laundry services for military units.</p>
4.	Lecture	2	2		<p><b>Lesson 4. Technological equipment of mechanised laundries.</b></p> <p>1. Classification of technological equipment.  2. Calculate the need for technological equipment.</p>
5.	Group Session	2	2		<p><b>Lesson 5. Placement of technological equipment in laundries.</b></p> <p>1. Equipment for the laundry and uniforms receiving and sorting workshop.  2. Equipment of the laundry shop.</p>
6.	Group Session	2	2		<p><b>Lesson 6. Equipment of the laundry shop.</b></p> <p>1. Washing machines, equipment and their characteristics.  2 Top-loading washing machines.  3. Side-loading washing machines</p>
7.	Group Session	2	2		<p><b>Lesson 7. Equipment for removing moisture from laundry.</b></p> <p>1. Centrifuges.  2. Installations for hydraulic spinning of laundry .</p>
8.	Group	2	2		<p><b>Lesson 8. Equipment of the drying and ironing shop.</b></p>

	Session				1. Machines for shaking and drying laundry. 2. Machines for ironing clothes.
9.	Group Session	2	2		<b>Lesson 9. Installation of laundry equipment and organisation of preventive maintenance of laundry equipment.</b> 1. Installation of equipment in laundries. 2. Organisation of equipment repair.
<b>Total for the topic</b>		<b>22</b>	<b>18</b>	<b>4</b>	
<b>Topic 2. Organisation of laundry and bath services in military units and formations.</b>					
10.	Lecture	4	2	2	<b>Lesson 1: The technological process of washing and its main parameters.</b> 1. Technological process of washing property. 2. The technological process of spinning out property after washing. <i>Independent work:</i> Technological process of washing and its main parameters.
11.	Lecture	2	2		<b>Lesson 2. Synthetic detergents (SDS) used for washing military property in military units (formations).</b> 1. Synthetic detergents, their solutions, current state and latest developments. 2. The chemical composition of the SMZ.
12.	Lecture	4	2	2	<b>Lesson 3: Characteristics of the range and properties of SMP, their impact on the quality of laundry.</b> 1. Consumer properties of SMZ. 2. Classification of SMZ. <i>Independent work:</i> Synthetic detergents (SDS) used for washing military property in military units (formations).
13.	Group Session	2	2		<b>Lesson 4. Organisation of bath services for military personnel in a military unit.</b> 1. The structure and equipment of a stationary military bath. 2. Organisation of washing of military unit personnel 3. Documentation of the bath.
14.	Group Session	2	2		<b>Lesson 5. Organising the provision of bathing services in stationary conditions with the involvement of civilian household enterprises on the basis of contracts.</b> 1. Organisational measures to engage civilian enterprises to provide bathing services. 2. Preparation of a package of documents (contracts) for the provision of bath services.

15.	Group Session	4	2	2	<p><b>Lesson 6. Organising the provision of laundry services in stationary conditions with the involvement of civilian household enterprises on the basis of contracts.</b></p> <p>1. Organisational measures to engage civilian enterprises to provide laundry services.</p> <p>2. Preparation of a package of documents (contracts) for the provision of laundry services.</p> <p><i>Independent work:</i> Organisation of bathing services in inpatient settings.</p>
16.	Practical Session	2	2		<p><b>Lesson 7. Organisation of bathing services in inpatient settings.</b></p> <p>1. Visit a military bathhouse and study the experience of organising the washing of military personnel</p>
17.	Practical Session	2	2		<p><b>Lesson 8. Organisation of laundry services in a residential setting.</b></p> <p>1. Visit a military laundry and study the experience of organising the laundry of military unit property</p>
18.	Practical Session	4	2	2	<p><b>Lesson 9. Calculation and graphic work "Development and justification of the production process of a military (garrison) laundry"</b></p> <p><i>Independent work:</i> Calculation and graphic work "Development and justification of the production process of the military (garrison) laundry"</p>
19.	Group Session	2	2		<p><b>Lesson 10. Organising the repair of individual issue items after washing in the laundry of a military unit</b></p> <p>1. Equipment, composition and technical capabilities of the laundry's clothing repair shop.</p> <p>2. possible malfunctions, their elimination and adjustment of sewing machine mechanisms.</p>
20.	Seminar	2	2		<p><b>Lesson 11: Organisation of the provision of bath and laundry services in a stationary environment with the involvement of contractual activities of the civilian sector in relation to the requirements of "Prozorro" in accordance with the state tender policy.</b></p> <p>1. Organisational measures to involve the civilian sector in the format of enterprises in the provision of bath and laundry services.</p> <p>2. Formalisation of the relationship package during the provision of bath and laundry services.</p>
21.	Practical Session	2	2		<p><b>Lesson 12. Preparation and processing of documents for delivery for repair to the laundry workshop.</b></p>
<b>Total for the topic</b>		<b>32</b>	<b>24</b>	<b>8</b>	
<b>Topic 3: Organisation of bath and laundry services for military personnel in the field.</b>					

22.	Lecture	4	2	2	<p><b>Lesson 1: Organisation of laundry services for military personnel in the field.</b></p> <p>1. Laundry units, purpose, composition, organisational and staffing structure. 2. Deployment of laundry units in the field.</p> <p><i>Independent work:</i> Organisation of laundry services for military personnel in the field.</p>
23.	Group Session	2	2		<p><b>Lesson 2: Field technical means of laundering military property.</b></p> <p>1. Purpose, composition and technical data of the MMP-2 laundry. 2. Purpose, composition and capabilities of the MPP-1. 3. the purpose, composition and capabilities of the IHRC.</p>
24.	Lecture	2	2		<p><b>Lesson 3: Organisation of washing of personnel in the field.</b></p> <p>1. Deployment of personnel in the field in peacetime and in a special period. 2. Procedure for deploying a field bathhouse on a DDA-3 base.</p>
25.	Practical Session	4	4		<p><b>Lesson 4. Organising the deployment and operation of a brigade field bath.</b></p> <p>1. Deployment of a field bathhouse using disinfection and shower units. 2. Washing of personnel during the field trip.</p>
26.	Practical Session	4	4		<p><b>Lesson 5. Organising the deployment and operation of a field bath.</b></p> <p>1. Deployment of a field bathhouse using a mobile bath and laundry complex (MBLC). 2. Organisation of washing of personnel during combat operations.</p>
27.	Practical Session	4	4		<p><b>Lesson 6. Organising the deployment and operation of a field bath.</b></p> <p>1. Deployment of a field bathhouse using the DDA-66 disinfection and shower facility. 2. Organisation of washing of personnel during combat operations.</p>
28.	Practical Session	4	2	2	<p><b>Lesson 7. Organising the deployment and operation of a field bath.</b></p> <p>1. Deployment of a field bathhouse using the disinfection and shower facility DDP-2. 2. Organisation of washing of personnel in the field.</p> <p><i>Independent work:</i> Organisation of bath and laundry services in the field</p>
29.	Seminar	2	2		<p><b>Lesson 8. Organisation of bath and laundry services in the field.</b></p> <p>1. Field technical means of washing property. 2. Field technical means of washing personnel.</p>
<b>Total for the topic</b>		<b>26</b>	<b>22</b>	<b>4</b>	
<b>Topic 4. Organisation of repair of individual issue items in a military unit.</b>					

30.	Lecture	4	2	2	<b>Lesson 1: Organising the repair of military property in a military unit.</b> 1. The importance and types of repair of tangible property. 2. Organisation of planning and accounting for the repair of tangible property. <i>Independent work:</i> Organisation of repair of individual issue items in a military unit.
31.	Seminar	2	2		<b>Lesson 2: Planning and organising the repair of tangible property.</b> 1. Planning and organising the repair of physical property.
32.	Practical Session	2	2		<b>Lesson 3. Workshop on the repair of military unit property.</b> 1. The purpose and structure of a clothing repair shop. 2. The main technological equipment of the workshop.
33.	Practical Session	2	2		<b>Lesson 4. Documentation of the reception and delivery of laundry in the laundry, the issuance and write-off of detergents for laundry in a military unit.</b> 1. Documentation of the receipt and delivery of laundry in the laundry of the military unit. 2. Documentation of the issuance and write-off of detergents for laundry in the laundry of the military unit.
34.	Practical Session	4	2	2	<b>Lesson 5. The procedure for drawing up an annual and monthly plan for the average repair of tangible property.</b> 1. Procedure for drawing up an annual plan for the medium repair of tangible property. 2. Procedure for drawing up a monthly plan for the average repair of tangible property. <i>Independent work:</i> Preparing for the exam
<b>Total for the topic</b>		<b>14</b>	<b>10</b>	<b>4</b>	
<b>Control measures</b>		<b>6</b>	<b>6</b>		<b>Examination</b>
<b>Total for the educational component</b>		<b>100</b>	<b>80</b>	<b>20</b>	

#### 4.22. MS 6 "Technical Means of the Material Support Service"

##### **The general objective of the discipline:**

providing knowledge on the ability to organise and conduct practical training with junior specialists, i.e. clarifying the task, studying the situation, developing solutions and providing proposals to the head of the military unit's material service regarding

material support in the main types of combat, managing logistics units in the main types of tactical operations, maintaining material support in the military unit, documenting individual issue items during receipt, operation and write-off.

As a result of studying the discipline, the student should  
to know:

main provisions of the guiding documents on the organisation of logistics support for the military material support service;  
main indicators of the purpose and technical characteristics of material support service equipment;

organisation of safety procedures for the operation of technical facilities, rules for the operation of technical facilities and other technological equipment, and fire prevention procedures;

Procedure for providing technical means of material support service of a military unit

planning of repairs and quality control of the repair of property service equipment and the timing of its implementation.

be able to:

to qualitatively organise and provide technical means for the military unit's material support service, analyse and identify ways to improve it;

to receive, store, maintain and account for the technical means of the material support service;

deploy field equipment to the working position, prepare it for operation, fold it and take measures for its storage;

use computer equipment to automate the record keeping of technical means of the material support service;

work on the technical means of the property service;

develop plans for the work of the property service;

organise and conduct classes with junior specialists of the property service.

### **Organisational and methodological guidelines:**

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning: frontal learning, when all students perform the same task at the same time under the supervision of a teacher; group learning, when students are divided into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of training, when students complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the level of knowledge or skill, the teacher should use the following methods: verbal and visual;

training;

situational and cognitive.

### **Information and methodological support:**

Order of the Chief of the Logistics of the Armed Forces of Ukraine No. 262 "On Approval of the Guidelines for the Organisation of Operation and Repair of Equipment of the Property Service of the Armed Forces of Ukraine", 18 November 2016.

Order of the NTCSU of the MoD of Ukraine of 28.12.2017 No. 312 "On Approval of the Temporary Instruction on Laundry Services for the Personnel of the Armed Forces of Ukraine for Peacetime and Special Period".

Order of the Ministry of Defence of Ukraine of 07.12.2018 No. 617. On the approval of the mobile bath and laundry module MLPM for use in the Armed Forces of Ukraine.

Order of the Ministry of Defence of Ukraine of 29.03.2021 No. 81 "On Approval of the Procedure for Write-Off of Military Property in the Armed Forces of Ukraine and the State Special Transportation Service".

Automobiles and MLPC: a textbook / V. Ollo, O. Sakno, T. Kolesnikova - Odesa: OLDI-PLUS, 2021. 514 p.

Operation and preservation of tents in military units: a textbook / O. Masliy, V. Olekhnovych, O. Fedchenko, V. Smutok, O. Zakusylo, Y. Yatskiv, V. Melnyk, E. Ivanchenko, L. Snihur, V. Ollo, M. Shkrabov. Odesa: Military Academy, 2020. 139 p.

Technical means of the material support service. Training manual, part I, OISV 2000

Technical means of the material support service. Training manual, part II, OISV 2000

Guidelines for the operation and preservation of tents in military units 2016.

Mobile bath and laundry complex. Technical specifications. TU U 28.9-05763814-119:2015 - 42 p.

Mobile bath and laundry complex. Bath module. Manual for routine maintenance MLPK.01.000.000 RT - 31 p.

Mobile bath and laundry complex. Laundry module. Maintenance manual MLPK.02.000.000 RT - 39 p.

Mobile bath and laundry complex. Bath module. Operating instructions. MLPK.01.000.000 NE - 113 p.  
 Mobile bath and laundry complex. Washing module. Operating instructions. MLPK.02.000.000 NE - 105 p.  
 Mobile bath and laundry module. Operating instructions MLPM.03.000.000NE - 132 p.  
 Technical means of the material support service. Training manual, part I, OISV 2000  
 Technical means of the material support service. Training manual, part II, OISV 2000  
 A collection of examples of combat experience. Military Academy (Odesa), June 2023, July 2023.

**Titles of topics and distribution of study time by type of study session**

№ s/n	Types Training	tal ho	Among them.	Topic title and study questions
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	classes, control events		Audit hours	Independent work	
<b>Topic 1: Introduction to the discipline.</b>					
1.	Lecture	2	2		<b>Lesson 1: Introduction. Subject and objectives of the discipline technical means of material support service - TMS.</b> 1. Procedure for studying the discipline technical means of the material support service. 2. Classification of technical means of material support service - TMCS. 3. The latest models of technical means of the material support service - TSMS used in the combat zone. 4) Organisation of documentation of commissioning and write-off of technical means of the property service
<b>Total for the topic</b>		<b>2</b>	<b>2</b>		
<b>Topic 2. Mobile bath and laundry complex - MLPC.</b>					
2.	Lecture	4	2	2	<b>Lesson 1: Mobile bath and laundry complex - MLPC. Technical means, units of the basic unit and components.</b> 1. Algorithm for the structure and application of standards for ensuring the technical nominal condition in terms of performance. 2. Technical characteristics, capabilities, operational compliance and functional reliability. <i>Independent work:</i> Mobile bath and laundry complex - MLPC. Completeness and internal equipment of the complex modules
3.	Practical Session	4	4		<b>Lesson 2. Mobile bath and laundry complex - MLPC. Technical means, units of the basic unit and components.</b> 1. Installation, preparation for operation and intended use.

					<p>2. Operational measures, according to the scope of delivery.</p> <p>3. Practical and methodological recommendations on the organisation of maintenance and operating rules.</p> <p>4. Actions in accordance with extreme conditions of survivability and resilience to external influences</p>
4.	Group Session	4	2	2	<p><b>Lesson 3. Mobile bath and laundry complex - MLPC. Technical means, units of the basic unit and components.</b></p> <p>1. Practical and methodological recommendations for organising the repair of the bath module.</p> <p>2. Practical and methodological recommendations for organising the repair of the laundry module.</p> <p>3. Requirements and ways to improve performance and operational limitations.</p> <p><i>Independent work:</i> Requirements for organising the repair of MLPC module systems.</p>
<b>Total for the topic</b>		<b>12</b>	<b>8</b>	<b>4</b>	
<b>Topic 3. Disinfection and shower installations, mobile power plants.</b>					
5.	Lecture	2	2		<p><b>Lesson 1: Mobile power plants.</b></p> <p>1. Classification and requirements for the organisation of mobile power plants.</p> <p>2. Purpose, tactical and technical data, structure and principle of operation of mobile power plants.</p>
6.	Group Session	4	2	2	<p><b>Lesson 2: Purpose, tactical and technical data, structure and operation of mobile power plants.</b></p> <p>1. Purpose, tactical and technical data, structure and operation of the ESD-10/T-230.</p> <p>2. Purpose, tactical and technical data, structure and operation of the ESD-20/T-230.</p> <p><i>Independent work:</i> Structure and capabilities of mobile power plants AB-8 T-230-M, AB-4 O-230.</p>
7.	Practical Session	2	2		<p><b>Lesson 3: Organisation of mobile power plants operation.</b></p> <p>1. Deployment, operation and decommissioning of the ESD-10/T-230.</p> <p>2. Deployment, operation and decommissioning of the ESD-20/T-230.</p> <p>3. Maintenance of mobile power plants.</p>

8.	Lecture	4	2	2	<p><b>Lesson 4. Organisation of operation of disinfection and shower installations (DSI).</b></p> <p>1. Purpose, tactical and technical data, structure of disinfection and shower installations.</p> <p>2. Structure and operation of the components of disinfection and shower installations.</p> <p><i>Independent work:</i> Purpose and capabilities of disinfection and shower systems.</p>
9.	Group Session	2	2		<p><b>Lesson 5 Organisation of the operation of disinfection and shower facilities (DSF).</b></p> <p>1. Deployment procedure and safety precautions for the operation of disinfection and shower systems.</p> <p>2. Preparation for work and operation of disinfection and shower installations.</p>
10.	Group Session	4	2	3	<p><b>Lesson 6. Purpose and capabilities of DDA-3; DDA-66; DDE-2; DDE-2M.</b></p> <p>1. Purpose and capabilities of the DDA-3.</p> <p>2. Purpose and capabilities of the DDA-66.</p> <p>3. Purpose and capabilities of DDP-2M.</p> <p><i>Independent work:</i> Purpose and capabilities of DDA-3; DDA-66; DDA-2; DDA-2M.</p>
11.	Practical Session	6	4	3	<p><b>Lesson 7. Disinfection and shower unit DDA-66, DDA-3.</b></p> <p>1. Deployment and preparation for operation of the DDA-66.</p> <p>2. Roll up and prepare for storage of the DDA-66.</p> <p>3. 3. Deployment and preparation for operation of the DDA-3.</p> <p>4. Roll up and prepare for storage of DDA-3</p> <p><i>Independent work:</i> Completeness of the DDA-66, for the deployment of a field bath. Layout of equipment and spare parts in the DDA-3 trailer</p>
12.	Practical Session	2	2		<p><b>Lesson 8. Disinfection and shower unit DDP-2M.</b></p> <p>1. Deployment and preparation for operation of DDP-2M.</p> <p>2. Roll up and prepare for storage of DDP-2M.</p>
13.	Group Session	4	2	2	<p><b>Lesson 9. Organisation of maintenance of disinfection and shower installations.</b></p> <p>1. Maintenance of disinfection and shower installations.</p> <p>2. Characteristic malfunctions of disinfection and shower installations and methods of their elimination.</p> <p>3. Rules for storage of disinfection and shower installations.</p> <p><i>Independent work:</i> Maintenance requirements for disinfectant shower systems.</p>
<b>Total for the topic</b>		<b>32</b>	<b>20</b>	<b>12</b>	
<b>Topic 4. Fast water heating boiler - FWHB.</b>					

14.	Group Session	4	2	2	<p><b>Lesson 1: Purpose, structure and technical characteristics of the KShNV-1 and KShNV-20.</b></p> <p>1. Purpose, structure and technical characteristics (KShNV-1, KShNV-20).</p> <p>2. Maintenance of the shower unit - KShNV-1, KShNV-20.</p> <p><i>Independent work:</i> Construction, deployment, and maintenance of the CCTV.</p>
15.	Practical Session	4	4		<p><b>Lesson 2. Installation of a shower unit - KSHNV-1, KSHNV-20.</b></p> <p>1. Maintenance of the shower unit - KShNV-1, KSHNV-20.</p> <p>2. Installation of the shower unit - KSHNV-1, KSHNV-20.</p>
<b>Total for the topic</b>		<b>8</b>	<b>6</b>	<b>2</b>	
<b>Topic 5. Tents.</b>					
16.	Lecture	4	2	2	<p><b>Lesson 1: Tents.</b></p> <p>1. Classification, purpose and structure of tents.</p> <p>2. General requirements for installation measures.</p> <p><i>Independent work:</i> Classification, purpose and structure of tents.</p>
17.	Practical Session	6	4	2	<p><b>Lesson 2. Deploying and collapsing unified tents.</b></p> <p>1. Completeness of the unified tent USB-56.</p> <p>2. Deployment and collapse of the USB-56 unified tent.</p> <p><i>Independent work:</i> Completeness of the unified tent USB-56.</p>
18.	Practical Session	4	2	2	<p><b>Lesson 3. Deploying and collapsing unified tents.</b></p> <p>1. Components of the unified tent UZ (UL)-68.</p> <p>2. Deployment and collapse of the unified tent UZ (UL)-68.</p> <p>3. Deployment and collapse of the UST-56 unified tent.</p> <p><i>Independent work:</i> Completeness of the unified tent UZ (UL)-68.</p>
19.	Practical Session	6	4	2	<p><b>Lesson 4. Deploying and collapsing unified tents.</b></p> <p>1. Complete set of a unified modular frame tent (special unified, type 2, type 2, class 2).</p> <p>2. Deployment and folding of a unified modular frame tent (special unified, type 2, type 2, class 2).</p> <p><i>Independent work:</i> Complete set of a unified modular frame tent (special unified, type 2, type 2, class 2).</p>

20.	Practical Session	4	4		<p><b>Lesson 5. Deploying and collapsing unified tents.</b></p> <ol style="list-style-type: none"> <li>1. Complete set of a unified modular frame tent (special unified, type 3, type 2, class 2).</li> <li>2. Deployment and folding of a unified modular frame tent (special unified, type 3, type 2, class 2).</li> <li>3. The complete set of the unified tent Wtatherhaven (UK).</li> <li>4. Deployment and collapse of the Wtatherhaven unified tent (UK).</li> </ol>
<b>Total for the topic</b>		<b>24</b>	<b>16</b>	<b>8</b>	
<b>Topic 6. Mobile bath and laundry module.</b>					
21.	Lecture	5	2	3	<p><b>Lesson 1: Mobile bath and laundry module - MLPM. Technical means, units of the basic unit and components.</b></p> <ol style="list-style-type: none"> <li>1. Technical characteristics, capabilities, operational compliance and functional reliability.</li> <li>2. Algorithm for the structure and application of standards for ensuring the technical nominal condition in terms of performance.</li> </ol> <p><i>Independent work:</i> Composition and rules of operation of the water supply system of the laundry module.</p>
22.	Practical Session	2	2		<p><b>Lesson 2. Mobile bath and laundry module - MLPM. Technical means, units of the basic unit and components.</b></p> <ol style="list-style-type: none"> <li>1. Requirements and ways to improve performance and operational limitations.</li> <li>2. Practical and methodological recommendations on the organisation of maintenance and operating rules.</li> <li>3. Actions in accordance with extreme conditions of survivability and resistance to external influences.</li> </ol>

23.	Practical Session	5	2	3	<p><b>Lesson 3. Spare parts, tools and accessories of the technical means during the operation of the basic unit and its components. Mobile bath and laundry module - MLPM.</b></p> <p>1. Spare parts (spare parts) - composition and purpose for determining the level of constructability and completeness standards.</p> <p>2. List of components of the tool and accessories, technical characteristics and purpose for performing preventive and repair measures.</p> <p>3. Installation, preparation for operation, intended use and use in accordance with the scope of delivery.</p> <p><i>Independent work:</i> Composition and rules of operation of the water supply system of the bath module.</p>
24.	Lecture	2	2		<p><b>Lesson 4. Internal and sanitary equipment of the vehicle during the operation of the units of the basic unit and its components. Mobile bath and laundry module - MLPM.</b></p> <p>1. Internal equipment.</p> <p>2. Sanitary equipment.</p>
25.	Practical Session	2	2		<p><b>Lesson 5. Internal and sanitary equipment of the vehicle during the operation of the units of the basic unit and components. Mobile bath and laundry module - MLPM.</b></p> <p>1. Application and use for fault detection and rectification.</p> <p>2. Actions in accordance with extreme conditions of survivability and resistance to external influences.</p>
<b>Total for the topic</b>		<b>16</b>	<b>10</b>	<b>6</b>	
<b>Control measures</b>		<b>6</b>	<b>6</b>		<b>Credit.</b>
<b>Total for the educational component</b>		<b>100</b>	<b>68</b>	<b>32</b>	