

**MINISTRY OF DEFENCE OF UKRAINE**

**MILITARY ACADEMY (ODESA)**

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

***TACTICAL-LEVEL COMMAND COURSE FOR MARINE CORPS  
L-1C (MC)***

**Military Occupational  
Specialty**

*021400 "Combat employment of Marine Corps  
formations, units, and subunits"*

APPROVED

by the Academic Council of the Military  
Academy (Odesa) (protocol dated "\_\_\_\_" \_\_\_\_  
20\_\_ No.\_\_\_\_)

Head of the Academic Council  
Military Academy (Odesa)  
Major General

Andrii KOVALCHUK

Put into effect by order of the Commandant of the  
Military Academy (Odesa) dated "\_\_\_" \_\_\_\_  
20\_\_ No.\_\_\_\_

**O d e s a  
2 0 2 4**

**LETTER OF AGREEMENT  
OF THE EDUCATIONAL PROGRAMME  
OF THE PROFESSIONAL MILITARY EDUCATION COURSE  
*TACTICAL-LEVEL COMMAND COURSE FOR MARINE CORPS  
L-1C (MC)***

**Military Occupational Specialty**      *021400 "Combat employment of Marine Corps formations, units, and subunits"*

APPROVED

Director of the Department of Military Education and Science, Ministry of Defence of Ukraine

Volodymyr MIRNENKO  
\_\_\_\_\_ 2024

APPROVED

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

Oleh PAVLOVSKYI  
\_\_\_\_\_ 2024

APPROVED BY

Commander of the Naval Forces of the Armed Forces of Ukraine  
Vice-admiral

Oleksiy NEYZHPAPA  
\_\_\_\_\_ 2024

**Developed and submitted**

**Head of the working group**

Head of the Doctrine and Training Department of the Naval Training Command, military unit A0456  
Colonel

Oleksandr OREKHOV

\_\_\_\_\_ 2024

## FOREWORD

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

Order of the commander of military unit A0456 dated 20 May 2024 No. 186/AGD.

### **Head of the working group:**

Orekhov Oleksandr Viktorovych – Colonel, Head of the Doctrine and Training Department of the Naval Training Command, military unit A0456.

### **Members of the working group:**

MAZUR Volodymyr Viktorovych – Colonel, Head of the Individual Training Department of military unit A2022;

ROSENFELD Serhii Volodymyrovych – Colonel, Deputy Head of the Advanced Training Center for Academic Affairs - Head of the Training Department of the Military Academy (Odesa);

KLYMENKO Vadym Mykolaiovych – PhD in Military Sciences, Associate Professor, Colonel, Head of the Department of Command and Control of Airborne Assault and Marine Infantry Units, Faculty of Airborne Assault and Marine Infantry Training, Military Academy (Odesa);

MARAR Yurii Oleksandrovych – Captain (1st rank), Head of the Doctrine and Training Division for Marine Corps Units and Coastal Missile-Artillery Troops, Directorate of Troop Doctrine and Training, Naval Training Command, military Unit A0456;

KUZ Serhii Mykolaiovych – Colonel, Head of the Faculty for Training of Airborne Assault and Marine Corps Specialists at the Military Academy (Odesa);

BABAK Vasyl Ivanovych – Doctor of Philosophy, Colonel, Head of the Airborne Training Department, Faculty for Training of Airborne Assault and Marine Corps Specialists, Military Academy (Odesa);

YARMOLIUK Vadym Mykhailovych – Candidate of Technical Sciences, Senior Researcher, Colonel, Head of the Armoured Vehicles Department, Faculty for Training of Airborne Assault and Marine Corps Specialists, Military Academy (Odesa).

### **TAKEN INTO CONSIDERATION:**

1. The professional standard for a tactical level officer of the Armed Forces of Ukraine.
2. Comments from internal and external stakeholders.
3. Suggestions from learners.
4. Combat experience.

## I. PROFILE OF THE EDUCATIONAL PROGRAMME

<b>1 – General information</b>	
<b>Full Name of the Military Higher Education Institution</b>	Military Academy (Odesa)
<b>Title of the Document on Completion and Scope of the Educational Programme of the Professional Military Education Course</b>	Certificate of completion of the course “Tactical-Level Command Course for Marine Corps L-1C (MC)”. Military Occupational Specialty – 021400. Scope of the educational programme: 20 ECTS credits
<b>Prerequisites</b>	Possession of a higher education degree of Bachelor. Completion of a Level L-1B tactical professional course
<b>Language(s) of instruction</b>	Ukrainian
<b>Validity period of the educational program of the professional military education course</b>	Until the update or introduction of a new educational programme
<b>2 – Objectives of the educational programme</b>	
<p>Training of a tactical-level officer who is competent in the employment of weapons and assets of Marine Corps units, capable of performing designated duties in positions classified within the "captain" rank category. The graduate should be able to carry out professional activities in accordance with assigned responsibilities, demonstrate leadership within a military team, make informed decisions based on regulatory documents and critical situational analysis, take responsibility for those decisions, and be accountable for subordinates.</p> <p>Performance of official (special) duties that define the scope of tasks assigned by position and other regulatory legal acts</p>	
<b>3 – Educational Program Description</b>	
<b>Subject area</b>	Field of knowledge: “25 Military Sciences, National Security, State Border Security”. Speciality: “253 Military Command and Control (by Service Branch)”. Specialisation: “Command and Control of Marine Corps Units”
<b>The main focus of the educational programme of the professional military education course</b>	Professional military education for service in typical positions as defined by the professional standard of the corresponding level
<b>Features of the programme</b>	Training within the multi-level system of professional military education for officers of the Armed Forces of Ukraine. Specifics of combat experience gained during the Russo-Ukrainian war
<b>4 – The employability and further education prospects of graduates</b>	
<b>Employability</b>	Typical positions for individuals with the staff position category “captain”, as defined in the professional standard for tactical-level officers
<b>Further education</b>	Training under the educational program of the professional military education course “Command and Staff Course, Tactical Level (L-2)”
<b>5 – Teaching and assessment</b>	
<b>Teaching and learning</b>	The main types of learning activities for teaching the components of the educational programme: lecture, practical session, seminar, group session, group exercise, tactical flight, tactical (tactical-special) exercise, tactical-drill exercise, training, independent work

<b>Assessment</b>	Assessment of learning outcomes of course participants includes the full range of evaluation methods provided by the educational component programs and is conducted using the 100-point scale, the ECTS scale, and the national grading scale	
<b>6 – Programme competences</b>		
<b>Military professional competences (MPC)</b>	MPC 13	The ability to apply knowledge of modern warfare and combined arms battle, military art, in various conditions of professional activity, to command company-level units during preparation and conduct of combat operations
	MPC 14	The ability to assess the enemy and predict the most probable courses of action during combat mission planning across different forms of combat
	MPC 15	Ability to carry out measures for comprehensive combat support, to manage the preparation of organic weapons, military equipment and material resources of a subordinate and attached unit for operational use
	MPC 16	Ability to motivate personnel and lead them toward a common goal, demonstrate leadership qualities, ensure psychological resilience and the safety of personnel during the execution of unit tasks
	MPC 17	Ability to organize moral and psychological support within a company, and to effectively influence the mindset and psychological state of service members to ensure task accomplishment under any operational conditions
<b>Military-specific competences (MSC)</b>	MSC 6	The ability to plan, organise and conduct the main types of combat (hostilities) by company units, including procedures used in the armed forces of NATO member states (TLP), clearly define combat tasks for subordinate and attached units, and operate in difficult combat conditions
	MSC 7	The ability to manage the preparation of organic weapons of company units for combat use, to effectively use the combat and technical capabilities of weapons during combat (combat operations), exercises (exercises, firing)
	MSC 8	The ability to organise and conduct individual and collective training of company units in the system of training of military units; to work out planning and reporting documents, effectively use training facilities and objects of the training material and technical base; ensure compliance with security measures in classes, exercises
	MSC 9	Ability to use modern information technologies to assess the effectiveness of combat use of the unit, adjust artillery fire and solve other professional tasks of daily activities
	MSC 10	Ability to ensure the proper preparation for use, operation and maintenance of military equipment of their units and foreign models, to carry out measures for its evacuation, to maintain accountability and write off materials
	MSC 11	The ability to plan the actions of battalion units and manage the actions of battalion units as part of the battalion headquarters in accordance with NATO procedures (MDMP)
	MSC 12	Ability to carry out professional duties with regard to the requirements of national security and defence
<b>7 – Programme learning outcomes</b>		
<b>Military professional training (MPT)</b>	LOmpt 13	Demonstrate understanding of the fundamentals of military art and general tactics, acquire theoretical knowledge and practical skills in planning company-level unit operations in primary types of combat, taking into account the experience of contemporary warfare, armed conflicts, and military art (including NATO operational standards)

	LOmpt 14 Know the reconnaissance indicators and vulnerable points of enemy equipment (weapons systems), understand the tactics of enemy units, possess foundational knowledge of the organization and conduct of reconnaissance in various types of combat operations (including through the use of UAVs)
	LOmpt 15 Know and understand the processes of comprehensive combat support for company-level and attached units during combat operations and daily activities
	LOmpt 16 Perform daily routine tasks, manage company administration, ensure safe working conditions, and organize training sessions in basic subjects of combat training
	LOmpt 17 Demonstrate leadership qualities, creative and flexible thinking, perseverance, activity, sociability, stress resistance, self-control skills, ability to work in a team with representatives of other professional groups of different levels, taking into account different terminology, background knowledge and understanding of their colleagues on certain tasks
	LOmpt 18 Know the organisation of moral and psychological support and effective management of personnel; the basics of the company commander's work to identify and prevent combat mental trauma and disorders in soldiers
	LOmpt 19 Be able to use methods of stress neutralisation and methods of emotional and volitional self-regulation, to master methods and technologies of work with personnel on the formation, maintenance and restoration of the moral and psychological state of servicemen
<b>Military specialised training (MST)</b>	LOmst 10 Demonstrate knowledge and understanding of modern armed conflict and combined-arms combat; command company-level units in primary types of combat operations involving small arms and combat vehicles
	LOmst 11 Effectively employ the combat capabilities, various forms, and tactical methods of company-level units in primary types of combat operations (tactical actions)
	LOmst 12 Apply knowledge of the combat characteristics and operating principles of weapons systems (including NATO-standard systems) during their preparation for use, in accordance with firing regulations, doctrinal guidance, and instructional methodologies for training company-level personnel
	LOmst 13 Apply knowledge and understanding of the processes of training and combat activities of the unit in the performance of functional duties, use training equipment and objects of the training material and technical base in the course of daily activities during the preparation and conduct of combat operations
	LOmst 14 Develop company-level planning and reporting documents, and to ensure compliance with safety measures during classes, training, and exercises in core combat training subjects
	LOmst 15 Utilize relevant software, and to be able to analyse and present calculation results related to situational assessment and/or combat effectiveness evaluation
	LOmst 16 Possess knowledge of the fundamentals of artillery unit tactics, their role, tasks, and place within combined arms combat; to understand the procedures for coordination with artillery units as a reinforcement element of the company tactical group during engagement with the enemy in primary types of combat; and to be capable of adjusting artillery fire
	LOmst 17 Effectively operate and maintain unit military equipment, including

	foreign systems, to maintain accountability and ensure timely write-off of materiel assets
	LOmst 18 Apply NATO standard operational planning procedures (MDMP) as part of a battalion staff, and to organize coordination between organic and attached units
	LOmst 19 Possess sufficient knowledge, methods, and technologies in the field of military command and control to solve complex professional tasks
<b>8 – Resource provision for programme implementation</b>	
<b>Personnel Support</b>	<p>The academic staff involved in the educational program are full-time employees of the Military Academy, with a portion holding academic degrees, scholarly titles, and a verified level of scientific and professional activity. The development of professional competencies is ensured by specialists with relevant field experience.</p> <p>The practice-oriented nature of the educational program involves the active participation of specialists whose expertise aligns with the program’s focus, thereby enhancing the synergistic integration of theoretical knowledge and practical training.</p> <p>The head and members of the program development working group, as well as the academic staff responsible for implementing the educational program, meet the requirements established by the Ministry of Defence of Ukraine</p>
<b>Material and technical support</b>	<p>The material and technical base of the Military Academy (Odesa) and the Military Academy's Educational Process Support Centre 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, specialised classrooms, gyms, sports grounds, library, reading room, multimedia equipment, etc</p>
<b>Information and educational-methodological support</b>	<p>The instructional and methodological support has been developed in accordance with current regulatory and legislative documents of the Ministry of Education and Science of Ukraine and orders issued by the Ministry of Defence of Ukraine. It includes the following materials:</p> <ul style="list-style-type: none"> <li>instructional and methodological materials for practical sessions;</li> <li>teaching and methodological materials for all types of academic activities;</li> <li>methodological guidelines for completing assignments and projects;</li> <li>guidelines for organizing independent student work;</li> <li>programs for all types of practical training;</li> <li>assessment and 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 methodological materials.</p> <p>The official website of the Academy contains information about educational, scientific and educational activities, structural units, admission rules, contacts, and users have the opportunity to use all available library resources. The technological and material and technical support of the educational process is available.</p>

**2. THE LIST OF COMPONENTS OF THE EDUCATIONAL PROGRAMME OF THE PROFESSIONAL MILITARY EDUCATION COURSE AND THE ALIGNMENT OF PROGRAMME COMPETENCIES AND LEARNING OUTCOMES WITH THE COMPONENTS OF THE EDUCATIONAL PROGRAMME**

**2.1. The list of components of the educational programme (EP)**

Code of ac. disc.	Components of the educational programme (academic disciplines/modules)	Number of of credits	Form of final control
Module 1. "Combat employment and command of a company (battery and equivalent units) in combat"		15,5	
MS 1	Tactics	9,0	
MS 2	Firearms training	1,5	
MS 3	Fundamentals of Artillery Employment	1,0	
MS 4	Reconnaissance training	1,5	
MS 5	Armoured Vehicles Operation	1,0	
MS 6	Organisation of comprehensive support of units	1,5	
Module 2. "Leadership and Daily Activities"		3,5	
MS 7	Leadership	1,5	
MS 8	Daily activities	1,0	
MS 9	Organisation of moral and psychological support	1,0	
Module 3. "Battalion (or equivalent unit) staff operations in planning and conducting combat operations using the MDMP process"		0,5	
MS 10	Military Decision-Making Process (MDMP)	0,5	
Comprehensive examination		0,5	Comprehensive exam
Total credits under the programme		20,0	

## 2.2 Alignment of Programme Competencies with Components of the Educational Programme

	MS 01	MS 02	MS 03	MS 04	MS 05	MS 06	MS 07	MS 08	MS 09	MS 10
MPC 13	+									
MPC 14				+						
MPC 15		+			+	+				
MPC 16							+			
MPC 17									+	
MSC 6	+									
MSC 7		+								
MSC 8	+							+		
MSC 9			+							
MSC 10					+					
MSC 11										+
MSC 12	+					+				

## 2.3 Alignment of Learning Outcomes with Components of the Educational Programme

	MS 01	MS 02	MS 03	MS 04	MS 05	MS 06	MS 07	MS 08	MS 09	MS 10
LOmpt 13	+									
LOmpt 14				+						
LOmpt 15						+				
LOmpt 16								+		
LOmpt 17							+			
LOmpt 18									+	
LOmpt 19									+	
LOmst 10	+									
LOmst 11	+									
LOmst 12		+								
LOmst 13		+			+					
LOmst 14								+		
LOmst 15			+							
LOmst 16			+							
LOmst 17					+					
LOmst 18										+
LOmst 19								+		+

### 3. DISTRIBUTION OF THE EDUCATIONAL PROGRAMME COMPONENTS

No. s/n	Code of academic discipline code	Name of the discipline	Distribution by semesters		Number of ECTS credits	Number of hours					Control measures	Independent work
			examinations	tests		total volume	Contact					
							in total	including				
						lectures		Group sessions, seminars	practical, laboratory			
1	2	3	4	5	6	7	8	9	10	11	12	13
Module 1: "Combat employment and command of a company (battery and equivalent units) in combat"												
1	MS 1	Tactics			9,0	270	212	12	154	46		58
2	MS 2	Firearms training			1,5	45	40		12	28		5
3	MS 3	Fundamentals of Artillery Employment			1,0	30	26	2	12	12		4
4	MS 4	Reconnaissance training			1,5	45	34	2	20	12		11
5	MS 5	Armoured Vehicles Operation			1,0	30	22		6	16		8
6	MS 6	Organisation of comprehensive support of units			1,5	45	34	4	14	16		11
<b>Total:</b>					<b>15,5</b>	<b>465</b>	<b>368</b>	<b>20</b>	<b>218</b>	<b>130</b>		<b>97</b>
Module 2: "Leadership and Daily Activities"												
7	MS 7	Leadership			1,5	45	34	2	32			11
8	MS 8	Daily activities			1,0	30	24	4	16	4		6
9	MS 9	Organisation of moral and psychological support			1,0	30	24	2	10	12		6
<b>Total:</b>					<b>3,5</b>	<b>105</b>	<b>82</b>	<b>8</b>	<b>58</b>	<b>16</b>		<b>23</b>
Module 3: "Battalion (or equivalent unit) staff operations in planning and conducting combat operations using the MDMP process"												
10	MS 10	Military Decision-Making Process (MDMP)			0,5	15	12		12			3
<b>Total:</b>					<b>0,5</b>	<b>15</b>	<b>12</b>		<b>12</b>			<b>3</b>
Comprehensive exam					0,5	15					6	9
<b>Total number of students</b>					<b>20,0</b>	<b>600</b>	<b>462</b>	<b>28</b>	<b>288</b>	<b>146</b>	<b>6</b>	<b>132</b>

## 4. PROGRAMMES OF EDUCATIONAL PROGRAMME COMPONENTS

### MODULE 1. "COMBAT EMPLOYMENT AND COMMAND OF A COMPANY (BATTERY AND EQUIVALENT UNITS) IN COMBAT"

#### MS 1 TACTICS

name of the component

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

The purpose of studying the discipline "Tactics" is to prepare a Marine company commander who is confident in the knowledge of the Army's Articles of War (other guiding documents based on the experience of using troops), is able to creatively apply their provisions for comprehensive preparation of the company for the main types of combat (tactical actions) and skilfully manage the actions of the company with forces and means of reinforcement in a modern combined arms battle.

As a result of studying the discipline, students should:

*know*

the main forms of tactical actions of units and their types; the role, place and tasks of units in a general military battle;

the basic principles and methods of conducting a general battle;

the content of the company (battalion) preparation for actions, the algorithm (sequence) of the company (battalion) commander's work on the organisation of combat, including the organisation of interaction and comprehensive support;

organisational and staffing structure of the company (battalion), combat and comprehensive support units;

tactical and technical characteristics of weapons and military equipment of regular and attached units, the procedure for their use in combat;

company (battalion) communications equipment, their tactical and technical characteristics and the procedure for their use;

content of unit command and requirements for it, procedure (methods) for commanding units in combat, procedure for reporting on the situation and command signals;

the procedure for managing the tactical actions of a company (battalion) and attached units in combat;

types of manoeuvre by units and company (battalion) fire and the procedure for their organisation in combat;

basics of combat, rear, technical, moral, psychological and medical support of a company (battalion) and the procedure for their organisation during combat;

the basics of the location of units on the ground and the organisation of their protection;

basics of movement of units, their marching security and organisation of transport;

the basics of unit defence, defence of a settlement (building), company (battalion) actions in an encirclement and escape from an encirclement, the procedure for withdrawal from combat and retreat;

basics of offensive combat of units, offensive in a settlement;

basics of actions of units during assault operations.

*be able to:*

make decisions in a timely manner, set tasks, persistently pursue their fulfilment and report to the senior commander on the completion of the task in

a timely manner;

skilfully use the company's firepower and the results of enemy fire damage;

prepare the company and attached units for action;

skilfully lead regular and attached units in the performance of assigned tasks;

call for and adjust artillery and aviation fire;

timely organise maintenance of weapons and equipment, and in case of damage, report to the senior commander and arrange for repair;

skilfully use communications equipment and train their subordinates to work with it, including the use of negotiation tables, coded cards and pre-set signals;

monitor the consumption of ammunition, fuel, food and water, timely report to their commander on the use of 0.5 and 0.75 of the carried (transported) ammunition and fuel, and take measures to replenish them;

monitor the maintenance of sergeants' and soldiers' equipment and its proper use;

organise moral, psychological and medical support, take measures for the timely shelter of wounded (those who have suffered severe combat and psychological trauma) servicemen and keep their records;

skilfully apply the main forms of tactical actions of units and their types;

operate on the battlefield as part of a regular unit in the main types of combat;

to organise and maintain interaction with units (forces and means of reinforcement) of the battalion tactical group in a modern combined arms battle;

to manage units of the branches of the armed forces and special forces in a general combat, to organise interaction with them.

### **Organisational and methodological instructions:**

Classes on the discipline "Tactics" are conducted as part of a training platoon in group, practical, independent classes. Classes are held in equipped classrooms, areas of the tactical field. Prior to the practical training, it is mandatory to study (perfect) safety measures and clarify them before the start of the training. Personnel arrive for practical training in full field equipment with small arms.

In group classes, students receive theoretical knowledge on the use of the company in tactical operations, while in practical classes, students practise the company's actions. The main focus is on the students' performance of practical tasks of the role of a company commander. The knowledge and skills acquired are reinforced during independent training.

To improve the quality of practical training, military equipment, material support, and simulation tools are used.

#### *Features of the methodology of conducting classes:*

when conducting group classes: the most appropriate form of training is the frontal one (all students or a significant part of them, under the supervision of the teacher, perform the same task (act in a certain position) at the same time);

during group classes, a combination of methods is used - explanatory and lecture (presentation of new educational material, its discussion is organised, and then control of students' learning of this material is carried out by means of a questionnaire that helps to consolidate it) and reproductive method (the main feature Among them is the reproduction and repetition of the method of activity on situational tasks of the teacher, including actual combat episodes based on the experience of war with the Russian Federation. In the course of implementing this method, students solve similar tactical tasks, fly missions, assess the situation, make decisions on similar situations, set tasks for units, etc. The use of this method is the first step in the acquisition of skills

and commanding abilities by the trainees).

during group exercises (on the ground):

problem-based learning is applied using the methodological techniques of the research method;

the essence of the research method is to organise the search and creative activity of students to solve new problems for them. For example, in group exercises and tactical training, a complex, non-standard situation is created, the terrain is unfamiliar, the enemy uses unexpected (new) methods of warfare or new weapons. Students are put in a situation where they are required to make an unconventional, original decision to fight, to use a new way of using weapons and military equipment, a new way of fighting to counter the enemy. Students must solve problematic tasks on their own, without the support of the instructor.

During the classes, use active forms of training, such as situational reenactments (at each class) of possible actions or actions that took place during the war with the Russian Federation.

To focus students' attention on the functional responsibilities of company (battalion) officials during the preparation (organisation) and conduct of a general combat (tactical operations), as well as on the comprehensive support of combat (tactical) operations.

Group exercises contain an element of transition to practical actions with the division of the group into 2 subgroups. The first subgroup consists of students who work as unit commanders and commanders of attached units (tank, grenade launcher, anti-tank, anti-aircraft missile, reconnaissance, etc.). The second subgroup consists of students who perform tactical actions in positions in accordance with the organisational and staffing structure of the main combat unit and attached units. After practicing the issues assigned to the class, the groups are replaced. In this type of training, the complexity of the organisation and conduct of combat should be increased by involving teams (students) from training groups of other specialisations (branches of the armed forces and special forces).

### **Logistical support:**

Classes will be held using the classroom facilities of the Department of Marine Corps Unit Command and Control - lecture and special classrooms equipped with terrain models, technical training equipment, a virtual battlefield classroom (VBS), as well as the field (training ground) training base of the Centre for Educational Process Support of the Military Academy.

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

1. Combat Statute of the Mechanised and Tank Forces of the Land Forces of the Armed Forces of Ukraine. Part III. Platoon, squad, crew: Command of the Land Forces of the Armed Forces of Ukraine. Kyiv - 2016.
2. Combat Statute of the Mechanised and Tank Forces of the Land Forces of the Armed Forces of Ukraine. Part II. Battalion, company: Command of the Land Forces of the Armed Forces of Ukraine. Kyiv - 2016.
3. Temporary Combat Statute of the Airborne Assault Forces of the Armed Forces of Ukraine, Part IV (platoon, squad) - Zhytomyr: The Air Assault Forces of the Armed Forces of Ukraine together with the Military Academy (Odesa), 2019. 255 p.
4. Provisional Combat Statute of the Airborne Assault Forces of the Armed Forces of Ukraine, Part III (Company) - Zhytomyr: The Air Assault Forces of the Armed Forces of Ukraine together with the Military Academy (Odesa), 2019. 227 p.
5. Tactics of airborne assault, airmobile, parachute units (platoon). Study guide. - Odesa: Military Academy, 2018. - 243 p.

6. Thematic report. Peculiarities of conducting defence by airborne units in strongholds (defence areas) in winter. Inv. 106 DSC of 05.03.2018.
7. Order of the Commander-in-Chief of the Armed Forces of Ukraine of 11.09.2020 No. 140 "On Approval of the Temporary Procedure for the Processing of Operational (Combat) Documents", -K.: General Staff of the Armed Forces of Ukraine, 2020.
8. Methodological recommendations "Conducting combat operations at night. Light support." -K.: Central Department of Military and Logistics Operations (C) and Central Department of Military and Logistics Operations of the Armed Forces of Ukraine, 2015. - 188 p.
9. Guidelines for actions in urbanised areas. -K.: Central Military and Logistics Department of the Armed Forces of Ukraine together with the Main Training Department of the Armed Forces of Ukraine, 2019. - 248 p.
10. Information bulletin on the use of the latest weapons and new tactics based on the experience of the Joint Forces Operation and modern military conflicts. - Zhytomyr: Central Operations and Maintenance Centre of the Armed Forces of Ukraine together with the Main Department of the Armed Forces of Ukraine, 2021. - 20 p.
11. The small unit tactics smartbook, 2nd Rev. Handbook, 2nd Rev. Ed., 2015.
12. VP 7-(01).03.01. Guidelines for units to combat Iranian-made "kamikaze" unmanned aerial vehicles "Shahed-136" (Geranium-2) of the Land Forces Command of the Armed Forces of Ukraine, October 2022.
13. Materials on the peculiarities of the enemy's offensive (based on the experience of the "North" Joint Task Force), August 2022.
14. Experience and lessons learned in conducting defensive actions by military units of the Joint Task Force "North" (materials processed based on information provided by military units of the Joint Task Force "North"), September 2022.
15. Methodological Recommendations on the Use of Troops (Forces) (to be taken into account when acquiring capabilities by troops (forces) to perform assigned tasks) - K.: General Staff of the Armed Forces of Ukraine. PART I.
16. Tactical actions of units of the Highly Mobile Airborne Troops of the Armed Forces of Ukraine (company). Study guide. -Ukraine: Military Academy, 2015. - 203 p.
17. Tactical and Technical Characteristics of WME Samples and Tactics of Headquarters Units' Actions on Them (to be taken into account when acquiring capabilities by troops (forces) to perform assigned tasks) - K.: General Staff of the Armed Forces of Ukraine. PART I.
18. Methodological recommendations for the preparation and conduct of counter-ambush actions by units during special operations.
19. Methodological Recommendations on the Protection of Troops and Military Objects in Permanent Dislocation Points and in Areas of Assigned Tasks.
20. Recommendations on countering unmanned aerial vehicles. 1479/dsk.
21. Methodological recommendations on the organisation and conduct of counterintelligence actions by units during a special operation.
22. Recommendations for strengthening the protection of military convoys from the use of landmines.
23. Preparation for combat operations in urban areas (manual) - Odesa: Military Academy (Odesa).
24. Methodological manual on the organisation and implementation of protection and defence, daily activities of military units (subdivisions) of the Armed Forces of Ukraine located in base camps.
25. Methodological materials. Defence in the city (settlement). Land Forces Command, April 2023.
26. Information bulletin. The enemy's book. A collection of recommendations for participants of the joint military operations. May 2023.

### Topic titles and distribution of study time by types of academic activities

№ s/n	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
1	2	3	4	5	6
		<b>28</b>	<b>22</b>	<b>6</b>	<b>Topic 1: Fundamentals of using units in combat</b>
1	Lecture	3	2		<p><b>Lesson 1: Fundamentals of using an air assault company (battalion) in modern conditions. Functional duties of company command officials in combat.</b></p> <p>1. General provisions for the use of a company (battalion) in modern conditions.            2. Organisational and staffing structure of weapons and military equipment of the company (battalion).            3. Functional duties of company command officials in combat.</p>
				1	<p>1. Make notes in workbooks and study the organisational structure and tactical and technical characteristics of weapons and military equipment of an airborne assault company (battalion).            2. Learn the functional responsibilities of company officers in combat.</p>
2	Group session	6	4		<p><b>Lesson 2: Preparing an air assault company for combat.</b></p> <p>1. The sequence and content of the company commander's work on preparing for combat, according to the procedure for managing units (TLP).</p>
				2	<p>1. Write down the sequence and content of the company commander's work on preparing for combat, according to the procedure for managing units (TLP).</p>
3	Group session	3	2		<p><b>Lesson 3: Basic abbreviations and tactical symbols used in combat documents.</b></p> <p>1. The main tactical symbols in accordance with the Order of the Commander-in-Chief of the Armed Forces of Ukraine of 11.09.2020 No. 140 "On Approval of the Temporary Procedure for the Preparation of Operational (Combat) Documents", which are used in graphic combat documents.</p>
				1	<p>1. Make notes and record in the reference section of the workbooks the main abbreviations and symbols used in the combat documents of the Land Forces.</p>
4	Group session	2	2		<p><b>Lesson 4. Combat capabilities of an airborne assault company (battalion) to fight in the main types of combat.</b></p> <p>1. General provisions.            2. Capabilities of the company (battalion) to combat enemy armoured vehicles.            3. Company (battalion) capabilities to destroy enemy manpower.            4. Manoeuvring capabilities of the company (battalion).</p>
5	Group session	3	2		<p><b>Lesson 5. Comprehensive combat support.</b></p> <p>1. Combat support.            2. Moral and psychological support.            3. Technical support.            4. Logistics support.</p>

				5. Medical support.
			1	1. Take notes in your workbooks and study the main provisions of comprehensive coverage.
6	Group session	2	2	<b>Lesson 6. Company TAC (battalion TAC).</b> 1. Features of company (battalion) management in various types of combat (actions). 2. The place of the company's (battalion's) COA in different types of combat: - composition; - place of deployment of the company (battalion) TSC in different types of combat (actions); - the procedure for equipping the company (battalion) TSC; - order of movement; - Duty on the TCC (TAC); - organisation of observation and control. 3. Combat documents that are developed and maintained at the CPC (ECP).
7	Group session	2	2	<b>Lesson 7. Conducting aerial reconnaissance.</b> 1. Purpose, tasks, composition of the mobile reconnaissance complex (MRC). 2. The procedure for using a mobile reconnaissance complex.
8	Practical session	4	4	<b>Lesson 8. Practical work on calculating the reconnaissance complex.</b> 1. Conducting reconnaissance. 2. Fire damage to the enemy with the RRC. 3. Correction of fire of firepower. 4. Decoding of reconnaissance assets.
9	Group session	3	2	<b>Lesson 9. Fundamentals of aviation application.</b> 1. General provisions. 2. Features of aviation control, interaction with aviation units, guidance and targeting of helicopter crews at ground targets.
			1	1. To become familiar with interaction with aviation units, guidance and targeting of helicopter crews at ground targets.
		<b>30</b>	<b>26</b>	<b>4</b>
				<b>Topic 2. Movement of units.</b>
10	Lecture	3	2	<b>Lesson 1: March of a Marine company (battalion).</b> 1. General provisions. 2. Peculiarities of the company (battalion) commander's work on the organisation of the march. 3. Implementation of the march in the experience of the Russian-Ukrainian war.
			1	1. To study the general provisions on the march and the peculiarities of the company (battalion) commander's work on the organisation of the march. 2. To reflect in the workbooks the proposed scheme: "Areas and borders that are assigned on the march".
11	Group session	3	2	<b>Lesson 2: Campaign security.</b> 1. Marching guard on the march. 2. Features of the work of the company commander of the Marines in organising actions as the main marching outpost (MOP). 3. Actions of the MPO on the march.
			1	1. Take notes and study the materials of the group lesson. 2. Reflect the proposed schemes in the workbooks: "Tasks of a company in marching guard" and "Actions of the main marching outpost in case of ambush".
12	Practical session	4	4	<b>Lesson 3. Methodology for conducting tactical calculations of a marine company (battalion) march.</b>

					1. Practical calculation of the company (battalion) march.
13	Practical session	4	4		<b>Lesson 4. Methodology for calculating the transportation of a battalion (company).</b> 1. Practical calculation of company transportation by rail.
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
14	Control session	2	2		<b>Lesson 5. Control lesson on topic 2.</b>
<b>COMPLEX TACTICAL TASK</b> <b>Marine company as the main marching outpost on the march</b>					
15	Preparing for a group exercise	4		4	<i>Individual work.</i> 1. Study the tactical task for the company's actions as the main outpost. 2. Prepare a working map of the company commander, draw the initial situation.
16	Group exercise	6	6		<b>Lesson 6. Sequence and content of the company commander's work in preparation for the march.</b> 1. Analysis of the received task, assessment of the situation, calculation of time. 2. Giving a preliminary combat order (instructions for preparing for the march). 3. Formulation of a decision on actions in the main outpost and its execution on the working map. Report the decision to the battalion commander. 4. Giving a combat order. 5. Organisation of interaction, management and comprehensive support.
17	Practical session	2	2		<b>Lesson 7. Training in the management of a unit on a terrain model while performing tasks on the march.</b> 1. Drawing of the march. 2. Solving situational tasks during the march. 3. Development of the company's command and control scheme during the march.
18	Group exercise	4	4		<b>Lesson 8. Management of company actions during the march as the main outpost.</b> 1. Management of company actions with the beginning of the movement - the beginning of the movement. 2. Management of company actions when ambushed. 3. Management of company actions when a mined section of the route is detected. 4. Management of company actions during the withdrawal from enemy artillery fire (air strike).
		<b>26</b>	<b>22</b>	<b>4</b>	<b>Topic 3. Positioning on the ground.</b>
19	Lecture	3	2		<b>Lesson 1: Peculiarities of the location of a marine company (battalion) in modern conditions.</b> 1. General provisions. 2. Features of the company commander's work on the organisation of the location on the ground. 3. Implementation of the location on the ground based on the experience of the Russian-Ukrainian war.
				1	1. Study and record in notebooks the general provisions for the company (battalion) location on the ground and the specifics of the company (battalion) commander's work on the location. 2. Draw in the workbooks the following diagram: "Company actions during the deployment on the ground as part of a battalion".
20	Group session	3	2		<b>Lesson 2. A company of marines on guard duty.</b> 1. Features of the company's use as a guard detachment (outpost). 2. Features of the commander's work on the organisation of actions in the role of a guard detachment. 3. Actions of a guard detachment (outpost) based on the experience of the Russian-Ukrainian war.
					1

					destruction of a subversive reconnaissance group, advanced enemy units".
21	Control session	2	2		<b>Lesson 3: Control lesson on topic 3.</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
<b>COMPLEX TACTICAL TASK</b>					
<i>Location of the reinforced company of marines on the ground in a designated area (forest-steppe terrain)</i>					
22	Preparation for a group exercise	2		2	<i>Individual work.</i> 1. Study the tactical task for deploying a reinforced company in a certain area. 2. Prepare a working map of the company commander, draw the initial situation.
23	Group exercise	6	6		<b>Lesson 4. Sequence and content of the company commander's work in preparation for deployment in a designated area.</b> 1. Analysis of the task, assessment of the situation, calculation of time. 2. Issuing a preliminary combat order (instructions for preparing for deployment). 3. Development of the plan. 4. Conducting a reconnaissance. 5. Formulating a decision on the location in a given area and drawing it on a working map. Reporting the decision to the battalion commander. 6. Giving a combat order. 7. Organisation of interaction, management and comprehensive support.
24	Practical session	2	2		<b>Lesson 5. Training in the development of a map of the unit's location.</b> 1. Rehearsal of the company (battalion) area layout.
25	Practical session	2	2		<b>Lesson 6: Training on unit and fire control on a mock-up terrain while in situ.</b> 1. Role-playing actions in the area of location. 2. Solving situational problems while on site. 3. Developing a company command and control scheme while on the ground.
26	Group exercise	4	4		<b>Lesson 7. Managing a reinforced marine company while in place.</b> 1. Company occupation of a designated area: - company occupation of the designated area; - organising surveillance and security of the area. - Selecting the location of the BCC and determining the location of the company's command and control officials. 2. Managing company actions while on site: - during an attempted penetration of unauthorised persons into the area of location; - during the detection of an air enemy, artillery shelling of the location area; - during an attack by an enemy sabotage and reconnaissance group.
27	Group exercise	2	2		<b>Lesson 8. Managing a reinforced marine company while deployed at night</b> 1. Company occupation of a designated area: - company occupation of the designated area; - organising surveillance and security of the area. - Selecting the location of the BCC and determining the location of company command officials. 2. Managing company actions while in place: - during the detection of the air enemy, artillery shelling of the area; - during an attack by an enemy sabotage and reconnaissance group.

					3. Leaving the area as part of the company.
		<b>62</b>	<b>50</b>	<b>12</b>	<b>Topic 4. Defensive combat.</b>
28	Lecture	3	2		<b>Lesson 1. Company (battalion) of marines in defensive combat.</b> 1. General concepts. The role and place of the company in defensive combat. 2. The sequence and content of the company commander's work in organising defensive combat in accordance with the unit management procedure (TLP). 3. Conducting a defensive battle by a company (battalion) based on the experience of the Russian-Ukrainian war.
				1	1. Take notes and study the lecture materials. 2. Reflect in the workbooks the proposed scheme "The role and place of the company in a defensive battle".
29	Group session	5	4		<b>Lesson 2: Building a Marine company (battalion) defence.</b> 1. Building a company (battalion) defence: - combat order; - command and control system; - system of strongholds and firing positions; - system of comprehensive support; - system of fire; - anti-tank defence system; - system of engineering barriers; - elements of the air defence system. 2. Conditions for achieving sustainability and activity of the company's defensive combat, taking into account the experience of the Russo-Ukrainian war: - organisation of an effective fire system; - organising and conducting effective reconnaissance, countering enemy assault actions; - actions in close combat with enemy units in trenches (trenches).
				1	1. Take notes and study the class materials.
30	Group session	4	2		<b>Lesson 3: Peculiarities of preparing and conducting manoeuvre defence by a company (battalion) of marines.</b> 1. Features of building a manoeuvrable defence. 2. Features of the company commander's work on the organisation of manoeuvre defence. 3. Conducting manoeuvrable defence by company (battalion).
				2	1. To study the peculiarities of preparing and conducting manoeuvre defence by a company (battalion) of marines
31	Group session	4	2		<b>Lesson 4. Company (battalion) of marines in defensive combat in special conditions.</b> 1. Preparation and conduct of defensive combat at night. 2. Preparing and conducting a defensive battle on a water obstacle. 3. Preparing and conducting a defensive battle in a settlement. 4. Preparation and conduct of a defensive battle in the forest. 5. Preparation and conduct of a defensive battle in the steppe.
				2	1. Take notes and study the materials of the group lesson. 2. Reflect in the workbooks the proposed schemes "Light support of the company in a defensive battle", "Company actions during a defensive battle in a forested area", "Company actions during a defensive battle in the steppe". 3. Prepare for the seminar.
32	Seminar	4	4		<b>Lesson 5. Seminar on the topic: "Defensive combat".</b> 1. Features of building company defence on a wide front. 2. Withdrawal from the battle and retreat of the company during the defensive battle. 3. Conducting a company defensive battle in the environment.



					<ol style="list-style-type: none"> <li>1. Organisation of light support for defensive combat at night.</li> <li>2. Management of company actions in a defensive battle during: <ul style="list-style-type: none"> <li>- destruction of small enemy groups;</li> <li>- defeat of the enemy attacking the company.</li> </ul> </li> </ol>
<b>COMPLEX TACTICAL TASK</b>					
<b><i>Transition of a reinforced marine company to defence in direct contact with the enemy (urbanised terrain)</i></b>					
41	Preparing for a group exercise	2		2	<i>Individual work.</i> <ol style="list-style-type: none"> <li>1. Understand the task and assess the situation.</li> <li>2. Preparation of a working map, drawing the initial situation.</li> </ol>
42	Group exercise	4	4		<b>Lesson 12. Analysing the task, assessing the situation, giving a preliminary combat order.</b> <ol style="list-style-type: none"> <li>1. Analysis of the task, assessment of the situation, calculation of time.</li> <li>2. Giving a preliminary combat order (instructions for preparing for a defensive battle).</li> <li>3. Developing a plan for a defensive battle.</li> </ol>
43	Group exercise	2	2		<b>Lesson 13. Completing the formulation of the decision. Reporting the decision to the battalion commander.</b> <ol style="list-style-type: none"> <li>1. Completion of the formulation of the decision, execution of the decision on the working map.</li> <li>2. Report the decision to the battalion commander.</li> </ol>
44	Group exercise	4	4		<b>Lesson 14. Conducting a reconnaissance. Giving a combat order, organising interaction and the system of fire, command and control, and comprehensive combat support.</b> <ol style="list-style-type: none"> <li>1. Conducting a reconnaissance.</li> <li>2. Giving a combat order.</li> <li>3. Organisation of interaction and the system of fire, control and comprehensive support of combat.</li> <li>4. Drawing up a map of a stronghold.</li> </ol>
45	Practical session	2	2		<b>Lesson 15: Training in unit and fire control on a terrain mock-up during tasks in defensive combat in direct contact with the enemy in a populated area.</b> <ol style="list-style-type: none"> <li>1. Drawing a defensive battle. Capture of buildings (favourable positions) by the company. Organisation of observation. Establishment of a combat order, fire system, and engineering equipment of the stronghold.</li> <li>2. Giving instructions for interaction, control and comprehensive support of the battle.</li> <li>3. Solving situational tasks in defensive combat.</li> </ol>
46	Group exercise	4	4		<b>Lesson. Management of a reinforced company during defence in direct contact with the enemy in a settlement.</b> <ol style="list-style-type: none"> <li>1. Capture of buildings (advantageous positions) by the company. <ul style="list-style-type: none"> <li>- Setting combat tasks and organising observation;</li> <li>- Establishment of a combat order, fire system, and organisation of engineering equipment of the stronghold;</li> <li>- selecting the location of the COP and determining the positions of company command officials.</li> </ul> </li> <li>2. Management of company actions in a defensive battle during: <ul style="list-style-type: none"> <li>- destruction of the enemy on the approaches to the CDP;</li> <li>- defeating an enemy attempting to capture a building;</li> <li>- restoring defence after repulsing an attack on the CDP.</li> </ul> </li> </ol>
		<b>72</b>	<b>60</b>	<b>12</b>	<b>Topic 5. Offensive combat.</b>
47	Lecture	3	2		<b>Lesson 1. Marine company (battalion) in offensive combat.</b> <ol style="list-style-type: none"> <li>1. General concepts. The role and place of the company in offensive combat.</li> </ol>

					2. Sequence and content of the company commander's work in organising the offensive battle according to the unit management procedure (TLP). 3. <b>Conducting offensive combat by a company (battalion) based on the experience of the Russo-Ukrainian war.</b>
			1		1. Take notes and study the lecture materials. 2. Draw the following diagrams in your workbooks: "Areas and boundaries to be assigned during an offensive on the move". "Areas and boundaries assigned during an offensive from a position of direct contact with the enemy".
48	Group session	3	2		<b>Lesson 2. Marine company (battalion) in offensive combat in special conditions</b> 1. Preparation and conduct of offensive combat at night. 2. Preparing and conducting an offensive battle in a populated area. 3. Preparing and conducting an offensive battle in the forest. 4. Preparation and conduct of an offensive battle in the steppe.
			1		1. Take notes and study the group lesson materials. 2. Reflect in the workbooks the proposed Schemes "Light support of the company in an offensive battle", "Company actions during an offensive battle in the forest", "Company actions during an offensive battle in the steppe area".
49	Group session	3	2		<b>Lesson 3: Forcing a company (battalion) through a water barrier.</b> 1. General provisions. 2. Peculiarities of organising the forcing of water obstacles by the company commander. 3. Forcing a water barrier by a company in an offensive battle.
			1		1. Take notes and study the materials of the group lesson. 2. Reflect in the workbooks the proposed scheme: "Company actions during the forcing of a water obstacle".
50	Group session	4	2		<b>Lesson 4. A marine company breaking out of an encirclement.</b> 1. General provisions. 2. Features of the company commander's work on the organisation of the way out of the encirclement. 3. Implementation of the way out of the encirclement based on the experience of the Russian-Ukrainian war.
			2		1. Take notes and study the materials of the group lesson. 2. Reflect in the workbooks the proposed scheme: "Actions of the company in the battle with the withdrawal from the encirclement". 3. Prepare for the seminar.
51	Seminar	4	4		<b>Lesson 5. Seminar on the topic: "Offensive combat"</b> 1. Peculiarities of organising and conducting an offensive battle by a company in the city. 2. Features of the organisation and conduct of offensive battle company at night. 3. Peculiarities of organising and conducting an offensive battle in the mountains.
52	Control session	2	2		<b>Lesson 6. Control lesson on topic 5.</b>
<b>COMPLEX TACTICAL TASK</b>					
<i>Marine company in the offensive during the breakthrough of enemy defences (forest-steppe terrain)</i>					
53	Preparation for the group exercise	4		4	<i>Independent work.</i> 1. Study the tactical task for the company's transition to the offensive during the breakthrough of a prepared enemy defence area. 2. Prepare a working map of the company commander, draw the initial situation.
54	Group exercise	4	4		<b>Lesson 7. Sequence and content of the company commander's work on preparing for the offensive during the breakthrough of enemy defences.</b> 1. Analysis of the received task, assessment of the situation, calculation of time.

					2. Giving a preliminary combat order (instructions for preparing for an offensive battle). 3. Development of the plan.
55	Group exercise	2	2		<b>Lesson 8. Finalising the decision. Reporting the decision to the battalion commander.</b> 1. Completion of the formulation of the decision, execution of the decision on the working map. 2. Report the decision to the battalion commander.
56	Group exercise	4	4		<b>Lesson 9. Company on the offensive during the breakthrough of enemy defence. Reconnaissance. Giving a combat order. Organisation of interaction, management and comprehensive support.</b> 1. Reconnaissance 2. Issuing a combat order. 3. Organisation of interaction, management and comprehensive support.
57	Practical session	2	2		<b>Lesson 10. Training in unit and fire control on a terrain mock-up during offensive combat.</b> 1. Solving situational tasks in offensive combat. 2. Developing a company command and control scheme in an offensive battle.
58	Group exercise	5	4		<b>Lesson 11. Management of company actions in offensive combat during the breakthrough of enemy defences.</b> 1. Management of actions during the advance to the line of attack: - selecting the location of the CDP and determining the positions of company command and control officials; - actions in case of detection of a mined section of the route and during artillery fire. 2. Management of the company's actions during the attack of the enemy's front line: - attacking the front edge of enemy defence; - the procedure for overcoming the enemy's minefields and capturing the enemy's stronghold; - clearing enemy trenches; - combat in the depths of the stronghold, pursuit of the enemy.
				1	
59	Group exercise	4	4		<b>Lesson 12. Sequence and content of the company commander's work on preparing for actions in the reserve (in the second echelon during assault operations in the forest belt (landing)).</b> 1. Analysis of the received task, assessment of the situation, calculation of time. 2. Giving a preliminary combat order (instructions for preparing for an offensive battle). 3. Development of the plan.
60	Group exercise	4	4		<b>Lesson 13. Company in the offensive in reserve (in the second echelon during assault operations in the forest belt (landing)).</b> 1. Reconnaissance. 2. Giving a combat order. 3. Organisation of interaction, management and comprehensive support.
61	Group exercise	4	4		<b>Lesson 14. Managing the actions of a marine company in an offensive battle in reserve (in the second echelon during assault operations in a forest belt (landing)).</b> 1. Management of a company operating in reserve: - Moving to the line of engagement; - entering the battle from line 1 (first option), entering the battle from line 2 (second option); - performing tasks by the reserve that arise suddenly.

					2. Management of a company operating in the second echelon during assault operations in a forest belt (landing): - company performs the immediate task; - Continuation of the offensive in a certain direction; - The company's transition to defence at a given line.
62	Group exercise	2	2		<b>Lesson 15. Controlling the actions of a marine company in an offensive battle at night.</b> 1. Organisation of light support for offensive combat at night. 2. Management of company actions in an offensive battle during: - moving to the line of attack; - attacking the front edge of enemy defence; - fighting in the depths of the enemy's stronghold.
<b>COMPLEX TACTICAL TASK</b> <i>Moving a reinforced marine company to the offensive in direct contact with the enemy (urbanised terrain)</i>					
63	Preparing for a group exercise	2		2	<i>Individual work.</i> 1. Understand the task and assess the situation. 2. Preparation of a working map, drawing the initial situation.
64	Group exercise	4	4		<b>Lesson 16. Analysing the task, assessing the situation, giving a preliminary combat order, developing a plan.</b> 1. Analysis of the task, assessment of the situation, calculation of time. 2. Giving a preliminary combat order (instructions for preparing for offensive combat). 3. Developing a plan for an offensive in direct contact with the enemy in an urbanised area.
65	Group exercise	2	2		<b>Lesson 17. Preparation of the company commander's working card and decision-making, presentation of the decision to the battalion commander.</b> 1. Making a decision on the working map. 2. Reporting the decision to the battalion commander.
66	Group exercise	4	4		<b>Lesson 18. Conducting a reconnaissance. Giving a combat order, organising interaction, comprehensive combat support and command and control.</b> 1. Conducting a reconnaissance. 2. Giving a combat order. 3. Organisation of interaction, comprehensive combat support and control.
67	Practical session	2	2		<b>Lesson 19: Training in unit and fire control on a terrain mock-up during offensive combat.</b> 1. Drawing an offensive battle. 2. Solving situational tasks in an offensive battle.
68	Group exercise	4	4		<b>Lesson 20. Managing a reinforced marine company during an offensive in direct contact with the enemy in a populated area.</b> 1. Management of company actions during regrouping: - taking the initial position for the offensive; - selecting the location of the COP and determining the positions of company command and control officials. 2. Managing company actions during: - destruction of long-lasting fire, important structures in the strongholds of the first echelon of the enemy; - destruction of the enemy's fortified structures in the depths of his first position.
		<b>34</b>	<b>26</b>	<b>8</b>	<b>Topic 6. Methods of conducting combat training exercises.</b>
69	Lecture	4	2		<b>Lesson 1: General provisions on the organisation of combat training.</b>

					<ol style="list-style-type: none"> <li>1. Basic forms and methods of individual and collective training of servicemen and units.</li> <li>2. Methods of working out documents for conducting classes according to training standards.</li> <li>3. Training material and technical base of combat training.</li> </ol>
				2	1. Prepare for a seminar on the topic: "Methods of conducting classes on combat training subjects".
70	Seminar	4	4		<b>Lesson 2. Methods of conducting classes on combat training subjects.</b> <ol style="list-style-type: none"> <li>1. Methods of conducting classes on engineering training.</li> <li>2. Methods of conducting reconnaissance training classes.</li> <li>3. Methods of conducting classes on military topography.</li> <li>4. Methods of conducting classes on psychological training.</li> <li>5. Methods of conducting physical training classes.</li> </ol>
71	Group session	2	2		<b>Lesson 3: Organisation and methods of conducting a tactical drill with a marine company.</b> <ol style="list-style-type: none"> <li>1. Procedure for preparing a tactical drill with a company.</li> <li>2. Methods of conducting a tactical formation exercise with a company.</li> </ol>
72	Group session	2	2		<b>Lesson 4. Organisation and methods of conducting a tactical exercise with a marine company.</b> <ol style="list-style-type: none"> <li>1. The procedure for preparing a tactical exercise with a company.</li> <li>2. Methods of conducting a tactical exercise with a company.</li> </ol>
73	Group session	5	2		<b>Lesson 5. Organisation and methods of conducting platoon combat firing.</b> <ol style="list-style-type: none"> <li>1. The procedure for preparing platoon live-fire.</li> <li>2. Methods of developing a plan for live fire.</li> <li>3. Methods of conducting platoon live fire.</li> </ol>
				3	<ol style="list-style-type: none"> <li>1. Develop a plan for a tactical formation exercise.</li> <li>2. Prepare to lead a training session on a specific topic.</li> </ol>
74	Practical session	9	6		<b>Lesson 6. Practice conducting a tactical drill with a company on the topic "Company's transition to defence in the absence of a collision with the enemy".</b> <ol style="list-style-type: none"> <li>1. Moving to the area of concentration.</li> <li>2. Conducting a reconnaissance.</li> <li>3. Occupation of the company's stronghold H-T-1.</li> <li>4. Clarification of tasks on the ground.</li> <li>5. Drawing up a diagram of the H-T-3 stronghold.</li> </ol>
				3	<ol style="list-style-type: none"> <li>1. Development of a plan for tactical training.</li> <li>2. Preparation as a leader of exercises on the specified topic.</li> </ol>
75	Practical session	6	6		<b>Lesson 7. Practice conducting a tactical exercise with a platoon on the topic "Marine platoon's transition to the offensive with a deep advance (on the move)".</b> <ol style="list-style-type: none"> <li>1. Preparing the platoon for the offensive.</li> <li>2. Taking up a starting position for the offensive.</li> <li>3. Moving to the line of attack and deploying the H-T-19 in combat order.</li> <li>4. Overcoming engineering barriers and natural obstacles.</li> <li>5. Attacking and destroying the enemy on the front line of defence, seizing a designated object H-T-24.</li> <li>6. Development of an offensive in the depths of defence and pursuit of the enemy H-T-29.</li> </ol>
<b>Total</b>		<b>270</b>	<b>212</b>	<b>58</b>	

## **MS 2 FIREARMS TRAINING**

name of the component

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

The purpose of studying the discipline "Firearms Training" is to practice the student in preparing small arms, grenade launchers, weapons of combat vehicles of the Marine company for use, the ability to fire from it and control the company's fire in various types of combat in order to perform assigned combat missions.

As a result of studying the discipline, students should:

*know*

purpose, combat properties, general structure, principle of operation, procedure for incomplete disassembly and assembly after incomplete disassembly, as well as the procedure for maintenance after firing 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.

*be able to:*

correctly use the combat properties of standard weapons;

conduct reconnaissance of targets by observation, correctly give targeting in various ways; apply the rules of engagement when firing standard weapons;

Prepare the unit's standard weapons for combat use (alignment of sights, lights, devices, checking and bringing weapons (armaments) to normal operation);

conduct and adjust fire from all standard weapons of the unit, eliminate delays that may occur during firing.

Manage company fire in all types of combat.

### **Logistics:**

Classes will be conducted using the classroom facilities of the Department of Armament of Combat Vehicles and Firearms Training - special classrooms equipped with technical training equipment, a training complex, as well as the field (training ground) training base of the Centre for Educational Process Support of the Military Academy.

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

1. Methodical manual on firearms training on the handling and use of small arms, approved by the NGC-GC.
2. Fire training - Lviv: DIA, 2013.
3. Methodology of fire training of mechanised units - Kyiv: Military Publishing House, 2009.
4. Methods of training fire control of units - Lviv: DIA, 2009.
5. Organisation and Methods of Conducting Training on Fire Control of Mechanised and Tank Units - Lviv, 2011.

6. Organisation and Methodology of Shooting from Small Arms and Combat Vehicles - Lviv: Lviv Institute of Land Forces of Lviv Polytechnic National University, 2008.
7. Mnemonic rules for firing small arms, grenade launchers and weapons of combat vehicles - Lviv: DIA, 2011.
8. Firearms training - Lviv: Ministry of Internal Affairs, 2003.
9. Course of fire from small arms and combat vehicles KRP 03.032.056 - 2018 (01) - Lviv: NASV, 2018 (Order of the Chief of the National Guard - Commander-in-Chief of the Armed Forces of Ukraine of 17 April 2018, No. 160).
10. Combat Statute of the Land Forces of the Armed Forces of Ukraine. Part II (company, battalion) - Kyiv: Military Publishing House, 2016 (Order of the Commander of the Armed Forces of Ukraine of 30 December 2016, no. 605).
11. Collection of Standards for Combat Training of the Land Forces of the Armed Forces of Ukraine - Kyiv: Military Publishing House, 2005
12. Manual on marksmanship. 9mm Makarov pistol (PM) - Kyiv: Military Publishing House, 2006.
13. Rifle manual. 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) - Kyiv: Military Publishing House, 2006.
14. Manual on marksmanship 7,62 mm Dragunov sniper rifle (SVD) - Kyiv: Military Publishing House, 2006.
15. A manual on marksmanship. 7.62mm Kalashnikov machine guns PC, PCM, PCS, PCMS, PCB, PCMB, PKT - Kyiv: Military Publishing House, 2005.
16. Manual on marksmanship. Hand-held anti-tank grenade launcher (RPG-7) - Kyiv: Military Publishing House, 2006.
17. Training manual "12.7 mm large-calibre machine guns DShKM and NSV. Part 2. 12.7 mm NSV heavy machine gun" - Lviv. NASV, 2020.
18. A guide to marksmanship. 14.5 mm Vladimirov heavy machine gun (14.5 mm KPVT): Military Publishing House, 2005.
19. Rifle manual. 30-mm automatic grenade launcher on a machine gun (AGS-17) - K.: Military Publishing House, 2006.
20. 73-mm SPG-9 anti-tank grenade launcher - L.: NASV, 2016.
21. BMP-2 armament complex. 30-mm automatic gun 2A42. Lviv - 2010.
22. Armament of the BTR-80 armoured personnel carrier. Behaviour during combat use. Lviv: Lviv Institute of Land Forces of Lviv Polytechnic National University, 2008.
23. Armament of the infantry fighting vehicle BMP-2. Behaviour during combat use. - Lviv: Military Institute at Lviv Polytechnic National University. 2007.
24. Guidelines on marksmanship. Night Sights for Small Arms and Hand Grenade Launchers - Kyiv: Military Publishing House, 2006.
25. Manual on marksmanship. Hand Grenades - Kyiv: Military Publishing House, 2006.
26. Guidelines "Actions at night and in conditions of limited vision" - Kyiv, 2019.
27. Guidelines. "Tactics of using large-calibre machine guns". VP 7-020(03).01.
28. Guidelines. "Organisation of management and improvement of the fire system in modern conditions". BII 7(3)-(01-05)03.01.
29. Guidelines. "For unit commanders on the organisation of counter sniper activities on the contact line". VP 7-01(02-05)03.01.
30. Weapons of the Russian-Ukrainian War. Reference catalogue. Central Military Scientific Directorate of the General Staff of the Armed Forces of Ukraine. October 2023.

### Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
		<b>10</b>	<b>10</b>		<b>Topic 1: Fire control of a marine infantry company.</b>
1.	Group session	2	2		<b>Lesson 1. Company fire control.</b> 1. The work of the company commander in organising fire in defensive and offensive combat. 2. Company fire control in defensive and offensive combat.
2.	Practical session	4	4		<b>Lesson 2: Training on fire control of a marine company in defence.</b> 1. Organisation of the fire system. 2. Fire control of regular and attached units.
3.	Practical session	4	4		<b>Lesson 3: Training on fire control of a marine company in the offensive.</b> 1. Organisation of the fire system. 2. Fire control of regular and attached units.
		<b>11</b>	<b>10</b>	<b>1</b>	<b>Topic 2. Fire training and firing.</b>
4.	Practical session	2	2		<b>Lesson 1: Fire training.</b> 1. Study of the material part of the BMP-1 armament. 2. Training in accordance with standards No. 7, 8, 17 on fire training.
5.	Practical session	2	2		<b>Lesson 2: Fire training.</b> 1. Study of the material part of the BMP-2 armament. 2. Training in accordance with standards No. 7, 8, 17 on fire training.
6.	Practical session	2	2		<b>Lesson 3: Fire training.</b> 1. Study of the material part of the BTR-80 armament. 2. Training in the implementation of standards № 5, 6, 17 on fire training.
7.	Practical session	5	4		<b>Lesson 4. Execution of preparatory and training exercises of firing from weapons of combat vehicles on training equipment.</b> 1. Training in firing on the move, at targets that appear and move from the BMP-2 weapons. Execution of the COP 2.13.2.10 day and night on dynamic simulators. 2. Training on fire control.
				1	1. Maintenance of weapons and military equipment.
		<b>24</b>	<b>20</b>	<b>4</b>	<b>Topic 3. Methods of fire training of units.</b>
8.	Group session	2	2		<b>Lesson 1: Organisation and methods of conducting firing and fire training.</b> 1. Requirements of the shooting course to the organisation and conduct of shooting (fire training). 2. Officials appointed during the shooting. 3. Methods of preparing the training leader, unit, weapons, training and material resources for fire training

1	2	3	4	5	6
9.	Group session	2	2		<p><b>Lesson 2: Organisation and methods of firing, fire training.</b></p> <p>1. Methods of conducting firing (fire training) when performing exercises with small arms.</p> <p>2. Methods of conducting firing (fire training) during exercises with weapons of combat vehicles.</p> <p>3. Methods of conducting a training session on throwing combat grenades.</p>
10.	Group session	2	2		<p><b>Lesson 3: Organisation and methods of conducting a fire control training session.</b></p> <p>1. Methods of developing fire control exercises.</p> <p>2. Procedure for drawing up a plan for conducting a fire management exercise.</p> <p>3. Methods of conducting a practical fire control training session.</p>
11.	Group session	2	2		<p><b>Lesson 4. Methodology for developing preparatory shooting exercises and options for displaying targets (target situation diagrams).</b></p> <p>1. The procedure for developing preparatory firing exercises for training in small arms and weapons of combat vehicles.</p> <p>2. The procedure for compiling target display options for small arms and combat vehicle firing exercises.</p> <p>3. The procedure for developing a target situation diagram.</p>
12.	Group session	4	2		<p><b>Lesson 5. Platoon live fire (company tactical exercises with live fire).</b></p> <p>1. Methods of calculating targets for live firing (company tactical exercises).</p> <p>2. Methods of calculating ammunition for live firing (company tactical exercises with live fire).</p>
				2	<p>1. Develop a plan for conducting company firing.</p> <p>2. Prepare to conduct the exercise as an exercise leader.</p>
13.	Practical session	8	6		<p><b>Lesson 6. Practice of conducting firearms training classes on the topic: "Exercises practical execution of KC 2.01.1.1 with an assault rifle and KC 2.12.1.1 with a pistol".</b></p> <p>1. Practical performance of KC 2.01.1.1 with an assault rifle during the day.</p> <p>2. Practical performance of KC 2.12.1.1 with a pistol during the day.</p> <p>3. Testing of knowledge of the material part of the weapon, fulfilment of firearms training standards.</p> <p>4. Testing of knowledge of the basics and rules of fire. Solving firing tasks.</p>
				2	<p>1. Develop a plan for conducting a fire control exercise.</p> <p>Preparation for conducting a lesson as a lesson leader.</p>
14.	Practical session	4	4		<p><b>Lesson 7. Practice of conducting fire training classes on the topic: "Platoon fire control in defensive combat".</b></p> <p>1. Exercise on target reconnaissance and targeting.</p> <p>2. Training on a terrain model in platoon (company) fire control.</p> <p>3. Execution of a defensive fire control exercise.</p>
<b>Total</b>		<b>45</b>	<b>40</b>	<b>5</b>	

## **MS 3 FUNDAMENTALS OF ARTILLERY EMPLOYMENT**

name of the component

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

As a result of studying the discipline, students should:

*know*

the basics of tactics of artillery units, their role, place and tasks in a general battle;

types of fire used by artillery units;

combat capabilities of artillery units and the principles of their determination;

the procedure for organising interaction with an artillery unit as a means of reinforcing a company tactical group, during the defeat of the enemy in the main types of combat, in the organisation of movement and location on the ground;

the procedure for calling for artillery fire.

*be able to:*

determine the place in the combat (pre-combat, marching) order and tasks for artillery anti-tank units.

set tasks to call for artillery fire and observe the results of firing during fire adjustment.

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

1. Combat Statute of the Artillery of the Armed Forces of Ukraine, Part II (division, battery, platoon, gun), approved by the Order of the General Staff of 18.05.2020 No. 376.
2. Artillery tactics. Division, battery, platoon, section, compartment, gun. Tkachuk P.P., Repilo Y.E., Sviderok S.M. et al. Lviv: NASV, 2018. 773 p.
3. Artillery fire spotter: Training manual. Vakhnin O.V., Balandin M.V., Vozniuk V.V. - Lviv: NASV, 2016. - 64 p.
4. Rules of Engagement and Fire Control of Ground Artillery (Group, Division, Battery, Gun) - Lviv: NASV, 2018. 292 p.
5. Military Manual 3.09 Fire Support, General Staff, May 2017.
6. Notebook on firing and fire control (battery, division): A Study Guide (in Ukrainian) // Yakovenko V.V., Vakhnin O.V., Podlesnyi O.V. - Lviv: DIA, 2014. 186 p.
7. Artillery Training Course of the Armed Forces of Ukraine (artillery brigade, rocket artillery regiment, division, battery, platoon, gun), approved by the Order of the General Staff of 11.03.2020 No. 97.
8. Features of the use of rocket troops and artillery units in specific actions based on the experience of the anti-terrorist operation. Study guide.//Tkachuk P.P., Sviderok S.M., Rudenko O.V., Bakhmat M.V., et al.
9. Album of schemes of actions of units (squad, platoon, company, battalion) // Tkachuk PP, Krasiuk OP, Ozharevskiy VA, Sviderok SM et al. Lviv: NASV, 2019. 66 p.
10. Melnikov V.V., Belyakov V.F., Vakhnin O.V. et al. Album of diagrams on the rules of firing and fire control of ground artillery. Lviv: DIA, 2010. 86 p.

## Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
1	2	3	4	5	6
		<b>4</b>	<b>4</b>		<b>Topic 1. Fundamentals of Combat Operations of Artillery Units of the Armed Forces of Ukraine.</b>
1.	Lecture	2	2		<b>Lesson 1. Fundamentals of combat employment of artillery units.</b> 1. Content of the discipline basics of artillery employment. 2. Combat capabilities of artillery units. 3. Conventional tactical signs to indicate the combat actions of artillery units and enemy fire.
2.	Group session	2	2		<b>Lesson 2. Fire damage to the enemy.</b> 1. The purpose of fire damage to the enemy. Fire and firing tasks. 2. Types of artillery fire. Methods of performing fire missions.
		<b>10</b>	<b>10</b>		<b>Topic 2. Fundamentals of preparation and conduct of combat operations of artillery (mortar) units.</b>
3.	Group session	2	2		<b>Lesson 1: Artillery units in combat.</b> 1. Fire damage to the enemy in defence. 2. Fire damage to the enemy in the offensive. 3. The purpose and place of anti-tank units in the combat order of marine infantry units. 4. Light support of the battle.
4.	Practical session	2	2		<b>Lesson 2. The work of the company tactical group commander in clarifying the tasks of the artillery (mortar) battery in defence.</b> 1. Calculation of combat capabilities of artillery units. 2. Organisation of interaction with the commander of the artillery unit during the planning of combat operations in defence. 3. Planning enemy fire and creating a defensive fire system.
5.	Practical session	2	2		<b>Lesson 3. The work of the company tactical group commander in the preparation and management of artillery units in the offensive.</b> 1. Calculation of combat capabilities of artillery units. 2. Organisation of interaction with the commander of the artillery unit during the planning of combat operations in the offensive. 3. Planning the enemy's fire damage and creating a fire system in the offensive.
6.	Practical session	4	4		<b>Lesson 4. The work of the company (tactical group) commander in clarifying the tasks of the artillery (mortar) battery in the offensive.</b> 1. Setting tasks for the commander of an artillery unit in preparation for combat operations. 2. Fire control of artillery units in the offensive.

		<b>16</b>	<b>12</b>	<b>4</b>	<b>Topic 3. Fundamentals of calling for artillery fire.</b>
7.	Group session	2	2		<b>Lesson 1: Artillery firing from a closed firing position.</b> 1. The essence of firing from a closed firing position. Classification of observed targets. 2. Methods of determining firing positions, their accuracy. Safe distances from the explosions of their shells. 3. Command and Observation Post (COP), requirements for it. 4. Responsibilities and procedure of the company (tactical group) commander to call for artillery fire.
8.	Group session (Kropyva)	2	2		<b>Lesson 2: Overview of the Kropyva software package.</b> 1. Purpose, components of the PC "Kropyva". 2. The procedure for installing, updating, activating the components of the Kropyva PC. 3. General overview of the functions of the "Kropyva" PC components. 4. Detailed overview of the interface of the Kropyva Map software
9.	Group session (Kropyva)	4	2		<b>Lesson 3: Overview of the Kropyva Map software.</b> 1. Using the Scene menu. 2. Using the Functions menu. 3. Use the Maps menu. 4. Use the Topo menu. 5. Use the Settings menu.
				2	1. Practice the procedure for determining the coordinates of the SP in different ways. 2. Practice measuring the polar coordinates and size of the target.
10.	Group session (Kropyva)	2	2		<b>Lesson 4. Methods of targeting and the procedure for reporting the deviation of the burst (volley) from the target depending on the method of firing using the Kropyva Map software.</b> 1. Methods of targeting. Methods of target acquisition. Formation of a command to call for artillery fire. 2. Procedure for reporting on the deviation of bursts (volleys) from the target during firing with observation of burst signs. 3. Procedure for reporting the deviation of bursts (volleys) from the target when firing at the target using a stopwatch 4. Determination of deviations of bursts by MS by range and direction in metres. Determination of the observation angle. Reporting of burst deviations. 5. Determination of gap deviations by the cardinal points. Reporting of gap deviations.
11.	Practical session (Kropyva)	6	4		<b>Lesson 5. Calling for artillery fire when performing tasks by a company (battalion) tactical group in various types of combat.</b> 1. Determination of the coordinates of the FOC on the map. Drawing up a scheme of landmarks. 2. Determining the coordinates, height and size of the target. Giving the command to open fire. 3. Determination of deviations of the gaps in the MS by range and direction in metres. Determination of the observation angle. Reporting of gap deviations. 4. Determination of gap deviations by the cardinal points graphically. Reporting of gap deviations. 5. Reports on the deviation of bursts (volleys) from the target during target acquisition using a stopwatch.
				2	1. Training in determining the deviation of bursts from the target when shooting with the MS. 2. Training in identifying gap deviations by cardinal point.
<b>Total</b>		<b>30</b>	<b>26</b>	<b>4</b>	

## **MS 4 RECONNAISSANCE TRAINING**

name of the component

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

As a result of studying the discipline, students should:

*know*

organisational and staffing structure, tactics, tactical and technical characteristics of weapons and military equipment of the main units and units of the Land Forces of the Armed Forces of the Russian Federation;

intelligence signs and vulnerabilities of enemy equipment (weapons);

basics of organising and conducting intelligence in various types of combat;

basic methods of conducting military intelligence;

composition, tasks and modes of action of intelligence bodies allocated to an airborne assault battalion in the main types of combat.

the procedure for organising intelligence in an airborne assault company in the offensive and defensive, including with the help of UAVs.

*be able to:*

apply in practice the knowledge of the organisational structure, tactics, tactical and technical characteristics of weapons and military equipment of the main units and units of the ground forces of the armed forces of the Russian Federation and illegal armed groups in the course of assessing the enemy;

conduct reconnaissance of the enemy and the area;

organise events and give instructions on intelligence during the organisation of the main types of combat

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

1. Combat manual of the mechanised and tank troops of the Land Forces of the Armed Forces of Ukraine, Part III (platoon, squad, crew) - K.: Varta, 2016.
2. The Combat Statute of the Mechanised and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part II (Battalion, Company) - K.: Varta, 2016.
3. Intelligence in the Anti-Terrorist Operation: A Study Guide / Lunkov A.V., Ozharevskiy V.A. and others - Lviv: NASV, 2016. 75 p.
4. Military Intelligence: Study guide / Vasko V.M. and others - Lviv: DIA, 2011. - 212p.
5. Intelligence in the Battalion: A Training Manual / Ozharevskiy V.A., Panasiuk V.V. and others - Lviv: DIA, 2014. - 112 p.
6. Intelligence and foreign armies: Study guide / Tkachuk P.P. and others - Lviv: NSAU, 2015. - 286 p.
7. Recommendations for the preparation and conduct of actions by mechanised and tank units in the course of conflict termination, disarmament and liquidation of illegal armed groups. NAOU, Kyiv, 2002, 170 p.
8. Set of the main units of the Armed Forces of the Russian Federation: Study guide / Tkachuk P.P., Ozharevskiy V.A. and others - Lviv: DIA, 2015, inv.2341- 81 p.
9. Handbook of the 1st and 2nd AK Specialist Forces, inv.907 DSK.
10. Planning and conducting intelligence at the headquarters of a separate brigade. Methodological manual. January 2023.
11. Methods of obtaining images of military equipment in visible and infrared ranges. Research Institute of Military Intelligence. June 2023.

## Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
1	2	3	4	5	6
		<b>9</b>	<b>6</b>	<b>3</b>	<b>Topic 1: Organisational and staffing structure, tactics, military equipment and weapons of the main units of the ground forces of the armed forces of the Russian Federation and illegal armed groups.</b>
1	Lecture	2	2		<b>Lesson 1: Organisational and staffing structure, military equipment and weapons of the main units of the ground forces of the armed forces of the Russian federation and illegal armed groups (company - battalion).</b> 1. Organisational and staffing structure of the main units of the ground forces of the armed forces of the Russian Federation and illegal armed groups (company - battalion). 2. Tactical and technical characteristics of weapons and military equipment of the units of the ground forces of the armed forces of the Russian federation and illegal armed groups.
2	Group session	2	2		<b>Lesson 2: Combat use of the main units of the ground forces of the armed forces of the Russian Federation and IAGs in the main types of combat based on the experience of the Russian-Ukrainian war.</b> 1. Tactics of the motorised infantry (tank) company in the offensive. 2. Tactics of a motorised infantry (tank) company in defence.
3	Group session	5	2		<b>Lesson 3: Combat use of the main units of the ground forces of the armed forces of the Russian Federation and IAGs in the main types of combat based on the experience of the Russo-Ukrainian war.</b> 1. Tactics of the battalion tactical group in the offensive. 2. Tactics of a battalion tactical group in defence.
				3	1. Study the composition, combat capabilities and tactics of a battalion task force in the offensive. 2. To study the composition, combat capabilities and tactics of a battalion tactical group in defence.
		<b>2</b>	<b>2</b>		<b>Topic 2. Fundamentals of military intelligence</b>
4	Group session	2	2		<b>Lesson 1: Fundamentals of military intelligence</b> 1. Purpose, tasks, types, forces and means of tactical intelligence. Objects of tactical intelligence and their classification. 2. Intelligence signs of enemy objects and activities of his troops. 3. Military intelligence agencies and their characteristics. Methods of conducting military intelligence. 4. Security of operations, digital security. Capabilities of technical means of enemy intelligence.
		<b>16</b>	<b>10</b>	<b>6</b>	<b>Topic 3: Intelligence organisation in different types of combat</b>
5	Group session	4	2		<b>Lesson 1: Organising and conducting reconnaissance during the movement of a unit</b> 1. Composition, tasks and capabilities of military intelligence agencies during the movement of units. 2. Organisation and conduct of intelligence during the movement of units.
				2	1. To study the composition and capabilities of military intelligence agencies that are allocated during the movement of units.

					2. Make notes in workbooks on the peculiarities of conducting reconnaissance during the movement of units. 3. Prepare to answer the control questions.
6	Group session	6	4		<b>Lesson 2: Organisation and conduct of defence intelligence</b> 1. Organisation and conduct of reconnaissance in the transition to defence in the absence of direct contact with the enemy. 2. Organisation and conduct of reconnaissance in the transition to defence in direct contact with the enemy. 3. Organising and conducting reconnaissance in the course of a defensive battle.
				2	
7	Group session	6	4		<b>Lesson 3: Organisation and conduct of reconnaissance in the offensive.</b> 1. Organisation and conduct of reconnaissance before the attack on the enemy. 2. Organisation and conduct of reconnaissance during the breakthrough of enemy defence. 3. Organising and conducting reconnaissance during the repulsion of an enemy counterattack. 4. Organisation and conduct of reconnaissance during the introduction of second echelon units into the battle.
				2	
		<b>18</b>	<b>16</b>	<b>2</b>	<b>Topic 4. Conducting reconnaissance using UAVs</b>
8	Group session	6	4		<b>Lesson 1: Modern UAVs of the Armed Forces of Ukraine. Classification and purpose. Experience and lessons learnt from use</b> 1. Main reconnaissance and strike UAVs of the Armed Forces of Ukraine that have been adopted. Tactical, technical and tactical characteristics. 2. Lessons and experience of use. Recommendations for the use of strike UAVs. 3. Lessons and experience in the use of reconnaissance UAVs. Recommendations for the use of UAVs as part of an artillery reconnaissance and fire complex.
				2	
9	Practical session	12	12		<b>Lesson 2, 3. Practical work of the battalion headquarters in conducting reconnaissance with the help of UAVs</b> 1. Capabilities of UAVs to acquire intelligence information. 2. Limitations and peculiarities in the massive use of UAVs for reconnaissance. Protection of UAVs from the effects of electronic warfare. 3. Practical identification of targets using photographic materials obtained with the help of UAVs.
<b>Total</b>		<b>45</b>	<b>34</b>	<b>11</b>	

## **MS 5 ARMoured VEHICLES OPERATION**

component name

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

The purpose of studying the discipline "Operation of Armoured Vehicles" is to provide theoretical knowledge of the organisation of the operation of armoured weapons and equipment of units in peacetime and wartime, understanding and analysis of the processes of changing the state of the machine; possession of solid practical skills in the organisation of maintenance and maintenance of armoured vehicles of the unit in combat readiness; ability to check and assess the technical condition of the machine.

As a result of studying the discipline, students should:

*know:*

the purpose and procedure for maintenance of BTOT samples, organisation of work and ensuring the maintenance of machines;

ways to reduce labour intensity and improve the quality of maintenance work;

the procedure for writing off material and technical means used during the operation of BTOT;

the procedure for acceptance and transfer of a sample of BTOT in the unit;

the essence, role and place of technical support in the overall system of comprehensive support of combat operations of units;

basic organisational and technical measures for the technical support of units in the main types of combat;

basics of management of technical support of units;

the procedure for organising and implementing technical support of the unit during preparation and during the battle (march);

*be able to:*

start the engines of combat vehicles;

correctly organise the performance of maintenance work on BTOT samples;

perform certain types of maintenance work and qualitatively control the performance of these works by personnel;

make appropriate calculations for the provision of material and technical resources and draw up applications for the replenishment of these resources;

correctly write off the material and technical resources spent during operation;

organise and carry out the acceptance or transfer of a BTOT sample within the unit;

give instructions on technical support in the preparation and conduct of various types of combat (tactical actions).

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

1. Matuzko B.P. Operation of armoured vehicles. Part 1. - Lviv: DIA, 2011. - 144 p.

2. Operation of armoured vehicles. Part 2: Study guide / M. Chorny, O. Shatalov, B. Matuzko, et al. Lviv: NASV, 2020. 233 p.

3. Mikhailov V.A., Shatalov O.E., Dovgopol Y.I. Operation of armoured vehicles. Part 3. - Lviv: DIA, 2012. - 169 p.

4. Methodical recommendations for the preparation and maintenance of documents on the operation of armoured weapons and equipment: Methodological Recommendations / O.E. Shatalov, S.M. Sribnyi, A.V. Rudyi, I.H. Bondariev - Lviv: NSAU, 2019. 210 p.

5. Infantry fighting vehicle BMP-2: Structure and basics of operation: Study guide / O.M. Kuprinenko, I.M. Tseliukh, Y.S. Mishchenko [and others]. Lviv: NASV, 2018. - 348 p.
6. Statutes of the Armed Forces of Ukraine. - K.: VIPOL, 2004. - 499 p.
7. Instruction on Accounting for Military Property in the Armed Forces of Ukraine. Approved by the Order of the Minister of Defence of Ukraine of 27.09.2017, No. 440.
8. The Procedure for Writing Off Military Property in the Armed Forces of Ukraine and the State Special Transport Service. Approved by the Order of the Minister of Defence of Ukraine dated 29.03.2021 No. 81.
9. Determination of the technical condition of armoured weapons samples. Part 2 BMP2 (BMP-1) - Lviv: NASV, 2016.
10. On Amendments to the Guidelines for the Organisation of the Operation of Armoured Vehicles and Equipment in the Armed Forces of Ukraine in Peacetime. Approved by the Order of the Minister of Defence of Ukraine of 23.12.2013 No. 899.
11. Collection of operational cards for the implementation of technical training standards for mechanised, tank and reconnaissance units. - K.: 2002. - 264 p.
12. Kolesnikov V.O. Methodology of taking up a position and conducting combat training / Training manual: Mriya-1, 2001. - 220 p.
13. Workshop on the discipline "Structure of Armoured Vehicles" Part 1: T-64BV, T-72B tanks: Workshop / B.P. Matuzko, M.V. Kolomiets, T.M. Stakh - Lviv: NASV, 2019. - 331 p.
14. Guidelines for the organisation of the operation of armoured weapons and equipment in the Armed Forces of Ukraine in peacetime. Approved by the Order of the Minister of Defence of Ukraine of 23.12.2013 No. 899.
15. Technical support: battalion, company / Study guide / D.E. Haustov, R.S. Bashynskyi, V.I. Dudar, A.V. Lunkov and others - Lviv: DIA, 2014. 240 p.
16. The use of technical support units and military units. Part 1: Technical support units: a textbook - Kyiv: Ivan Cherniakhovskyi National University, 2017. 136 p.
17. Methodological recommendations on the procedure for applying tactical signs used to mark the technical support situation on topographic maps and diagrams in accordance with the Order of the General Staff of the Armed Forces of Ukraine of 25.04.2018 No. 170 - Kyiv: Ivan Chernyakhovsky National University, 2019. 38 p.
18. Temporary Guidelines on Logistics Support of the Armed Forces of Ukraine (Part II).
19. Combat Statute of the Armed Forces of Ukraine "Transport Operations and Military Transportation". December 2020.

## Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
		<b>8</b>	<b>6</b>	<b>2</b>	<b>Topic 1: Maintenance of fuel assemblies.</b>
1.	Practical session	8	6		<b>Lesson 1: Inspection of the machine, daily maintenance of the machine.</b> 1. Purpose, frequency, duration and procedure for conducting a control inspection (CI), CI during short stops of daily preventive maintenance (PM). 2. Rules of operation of armoured weapons systems (AWS) in special conditions. 3. Practical performance of inspection and maintenance work. Maintenance of machines in continuous operation.
				2	1. Distribution of CI and PM works between crew members. 2. Training in the implementation of standard No. 1.
		<b>12</b>	<b>10</b>	<b>2</b>	<b>Topic 2. Maintenance of operational and accounting documentation.</b>
2.	Practical session	4	4		<b>Lesson 1: Procedure for writing off material assets used during the operation of the AWS sample.</b> 1. The procedure for writing off fuels and lubricants during the operation of the AWS sample (preparation of a motor vehicle trip ticket). 2. Procedure for write-off of materiel used during maintenance and repair of an armoured weapon system.
3.	Practical session	8	6		<b>Lesson 2. Procedure for acceptance and transfer of a fuel assembly.</b> 1. Procedure for checking the condition and completeness of the fuel assembly sample. 2. Procedure for processing documents on the acceptance or transfer of an armoured weapon system.
				2	1. Training in checking the condition and completeness of the fuel assembly and individual spare parts 2. Training in filling in samples (forms, blanks, annexes) of documents on acceptance or transfer of the AWS.
		<b>10</b>	<b>6</b>	<b>4</b>	<b>Topic 3: Organisation of technical support for marine units.</b>
4.	Group session	4	2		<b>Lesson 1: Basic provisions for the technical support of marine units.</b> 1. General provisions for technical support. 2. Content of the main activities for the technical support of units. 3. The role and place of company (battalion) officials in the organisation of technical support.
				2	1. To get acquainted with the peculiarities of the organisation of equipment maintenance in preparation for combat operations. 2. Study the main measures to organise the restoration of damaged equipment.
5.	Group session	4	2		<b>Lesson 2: Tank and technical support of marine infantry units in the main types of combat.</b> 1. Organisation of tank technical support of a unit in a defensive battle. 2. Organisation of tank technical support of the unit in the offensive. 3. Organisation of tank technical support of the unit during the march.
				2	1. Learn the tactical signs for technical support. 2. Develop a procedure for displaying technical support measures.
6.	Group session	2	2		<b>Lesson 3: Artillery and technical support in the main types of combat.</b> 1. Measures of artillery and technical support in the preparation and conduct of offensive and defensive combat. 2. Organisation of missiles and ammunition supply in the course of combat operations (procedure for receiving, accounting and writing off).
	<b>Total</b>	<b>30</b>	<b>22</b>	<b>8</b>	

## **MS 6 ORGANISATION OF COMPREHENSIVE SUPPORT OF UNITS**

component name

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

As a result of studying the discipline, students should:

*know:*

the basics of organising communication in a tactical command and control unit;

the main tactical and technical characteristics of the regular equipment of communication and telecommunications of the unit;

the procedure for preparing for the work of regular communication and telecommunication equipment of the unit;

rules of radio communication in radio networks and radio direction;

the nature of engineering support for modern combined arms combat;

organisational and staffing structure, weapons, capabilities and combat employment of the brigade's engineering troops;

the procedure for organising the performance of engineering support tasks by attached units (platoon) of the engineer troops, as well as the procedure for using engineering weapons;

basics of engineering support for the movement of units and location on the ground;

basics of engineering support for offensive combat and defensive combat of units;

organisational structure and tasks of logistics;

organisation and maintenance of the military economy of the military unit;

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

basics and rules of providing material resources for the rear;

basics of organising medical support for units in the main types of combat;

the role and place of the senior company combat medic in the main types of combat (actions).

*be able to:*

skilfully use standard means of communication;

train his subordinates to work on standard means of communication, including the use of documents of covert command and control of troops;

give instructions on engineering support in the main types of combat, as well as during the preparation of the march and during its implementation;

use the combat capabilities of attached units of engineering troops, their engineering weapons;

manage the attached unit (reinforcement) in the performance of combat engineering support tasks.

make decisions and manage units during the performance of combat missions, regarding logistics support;

read tactical symbols used to display the logistical situation;

organise medical support for the unit in the main types of combat.

### **Organisational and methodological instructions:**

The methodology of teaching the discipline is based on the basic principles of didactics (theory of justification 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 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.

In this case, depending on the need to achieve levels of knowledge or skills, the teacher should use the following methods

verbal and visual;

training;

situational and cognitive.

The verbal-visual method, in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to obtain new knowledge and form the appropriate imagination.

The training (reproductive) method is based on performing complex actions in accordance with an algorithm (pre-established procedure) determined by the instructor to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing information and analytical skills.

The above methods provide students with knowledge, skills, and abilities, but to develop their creative abilities, the class leader should use problem-based learning methods.

Group classes are held to enable students to study in detail the issues and problems discussed in lectures and to consider in detail the topical issues of the training material. The main teaching methods used are explanation with demonstration and discussion. To ensure clarity, technical means of information transmission, tables, diagrams, slides, and posters should be used during the classroom.

Practical training is a type of training session during which the teacher organises the mastering of the theoretical provisions of the topic through the individual performance of specially designed tasks and promotes the development of skills and abilities in the practical application of these theoretical provisions.

Practical exercises should be aimed at consolidating and deepening the knowledge acquired by students in lectures and group classes, as well as during independent work, and developing skills in solving practical problems of everyday military activities.

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next classes and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge in students.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

**Material and technical support:**

Classes should be held in specialised classrooms, which should be equipped with personal electronic computing equipment at the rate of one workstation per two students and the training ground of the educational process support centre. It is mandatory to use technical training aids during the training sessions.

**Information and methodological support:**

1. Davydenko S.V. Organisation of military communications in tactical command and control units: Study guide / S.V. Davydenko, O.O. Lavrut, B.M. Boichuk, etc. - Lviv: NASV, 2018. 289 p.
2. Organisation of military communications (album of schemes and formalised documents): Album of schemes / O.O. Lavrut, S.E. Oliynyk, V.B. Opalinsky and others: NASV, 2019. 52 p.
3. Organisation of Military Communications (V.H. Sholudko, M.Y. Esaulov, O.V. Vakulenko, T.H. Gursky, M.M. Fomin). Study guide. - K.: VITI, 2016 - 282 p.
4. Davydenko S.V. Communication means of command and staff vehicles and armoured objects: Study guide / S.V. Davydenko, O.O. Lavrut, B.M. Boichuk, etc. - Lviv: DIA, 2015. 125 p.
5. Instruction for operation and programming of the MOTOTRBO trunking communication set. - Kyiv: GUZIS of the General Staff of Ukraine, 2014. - 65 p.
6. Product "Lybid K-1A" (DM 4600 car digital radio station in a special version). AEJA 464532.022 RE. Operating instructions. - K.: Dolya & Co. Ltd. 2015. 19 p.
7. On Approval of the Instruction on Ensuring Information Protection in the Trunking Communication Networks of the Armed Forces of Ukraine. Order of the NGS of the Armed Forces of Ukraine No. 444 of 04.02.2016.
8. Rules for Ensuring Information Protection in Information, Telecommunication and Information and Telecommunication Systems, approved by Resolution of the Cabinet of Ministers of Ukraine No. 373 of 29 March 2006 (as amended).
9. Instruction on installation and configuration of a satellite communication station (TOOWAY model by SKYLOGIC) - Kyiv: NC ZI VITI DUT, 2014 - 26 p.
10. Instruction on the operation and adjustment of satellite communication stations of the Tooway system. - K.: GUZIS GS, 2014 - 27 p. (approved by the Chief of the Communications Troops on 26.11.2014)
11. Aselsan 6680-IR Digital Intercom System Operation Manual - Turkey, 2017. 44 p.
12. Aselsan VRC-9661 radio station operating manual. - Turkey, 2017. - 86 p.
13. On Approval of the Procedure for Logistical Support of the Defence Forces in the Performance of Tasks on Defence of the State, Protection of its Sovereignty, Territorial Integrity and Inviolability: Resolution of the Cabinet of Ministers of Ukraine of 27.12.2018 No. 1208 // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. URL: <https://zakon.rada.gov.ua/laws/show/1208-2018-%D0%BF#Text> (accessed 28.07.2020).

14. Norms for the provision of material property to servicemen of the Armed Forces of Ukraine and the State Special Transport Service in peacetime and special period: Order of the Ministry of Defence of Ukraine of 29.04.2016 No. 232 // Database "Legislation of Ukraine" / VR of Ukraine. Date of update: 27.08.2019. URL: <https://zakon.rada.gov.ua/laws/show/z0767-16#Text> (accessed 28.07.2020).
15. 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
16. Combat Statute of the Mechanised and Tank Forces of the Land Forces of the Armed Forces of Ukraine. Part I. Brigade. - K.: KSV ZSU, 2016.
17. Combat Regulations of the Mechanised and Tank Forces of the Armed Forces of Ukraine. Part II. Battalion, company. - K.: CSR of the Armed Forces of Ukraine, 2016.
18. Main provisions of the logistics support of the AFU, approved by the order of the Ministry of Defence of Ukraine of 11.10.2016, no. 522
19. Temporary Guidelines on Logistics Support of Combat Operations of Military Units of the Land Forces of the Armed Forces of Ukraine (draft) - Kyiv: AFU CSR, 2019.
20. Mobilisation Directive of the General Staff of the Armed Forces of Ukraine of 03.07.2018 No. 321/1260 DSK "On the introduction of samples and forms of documents for the preparation and conduct of mobilisation deployment of the Armed Forces of Ukraine". Annex 15.
21. 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 16.07.1997 No. 300 // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. Date of update: 09.09.2016. URL: <https://zakon.rada.gov.ua/laws/show/z0615-97#Text> (accessed 28.07.2020).
22. Regulation on the provision of the Armed Forces of Ukraine with fuel and technical means of the fuel service for peacetime, approved by the Order of the Minister of Defence of Ukraine of 31.07.2006 No. 469.
23. On Approval of the Regulation on Food Supply of the Armed Forces of Ukraine in Peacetime: Order of the Minister of Defence of Ukraine of 09.12.2002 No. 402 // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. Date of update: 10.11.2017. URL: <https://zakon.rada.gov.ua/laws/show/z0992-02#Text> (accessed 28.07.2020).
24. Regulations on the Procedure for the Creation, Storage, Renewal (Replacement), and Use of Fixed 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
25. 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 17.08.2017 No. 440 // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. Date of update: 23.08.2019. URL: <https://zakon.rada.gov.ua/laws/show/z1192-17#Text> (accessed 28.07.2020).
26. Instruction on the organisation and planning of cargo and passenger transportations by road in the Armed Forces of Ukraine, approved by the Order of the General Staff of the Armed Forces of Ukraine of 17.10.2016 No. 387
27. On Approval of the Regulations on the Organisation of Housing and Maintenance Support of the Armed Forces of Ukraine: Order of the Ministry of Defence of Ukraine dated 03.07.2013 No. 448 // Database "Legislation of Ukraine" / VR of Ukraine. Date of update: 08.09.2015. URL: <https://zakon.rada.gov.ua/laws/show/z1590-13#Text> (accessed 28.07.2020).

28. On Approval of the Regulation on Fire Safety in the Ministry of Defence of Ukraine and the Armed Forces of Ukraine: Order of the Ministry of Defence of Ukraine of 29.09.2014 No. 685 // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. URL: <https://zakon.rada.gov.ua/laws/show/z1537-14#Text> (accessed 28.07.2020).
29. Methodological recommendations on the organisation of the work of points of reception of mobilisation resources of military units (institutions). Appendix to the Directive of the General Staff of the Armed Forces of Ukraine of 03.07.2018 No. 321/1259
30. Methodological recommendations on the development of documents of combat and mobilisation readiness of the material service of military units (formations) No. 138/400 of 28.02.2003: Bulletin No. 3 of the Main Material Department - K.: Rear of the Armed Forces of Ukraine, 2003. 56 p.
31. Temporary Instruction on Engineering Support of the Armed Forces of Ukraine. General Staff of the Armed Forces of Ukraine. Kyiv - 2019 (Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 25.06.2019 No. 230 DSK "On Approval of the Temporary Guidelines for Engineering Support of the Armed Forces of Ukraine");
32. Doctrine on engineering support for the use of troops (forces). Kyiv, 28.10.2020, DSK-34 p.;
33. Tactics of actions of engineering troops: Textbook / M.O. Ivasiuk, O.Y. Matsko, Y.O. Ftemov, V.P. Pavliuchyuk, I.V. Horchynskyi, I.V. Todavchyuk, A.M. Karshen, R.L. Kolos, D.A. Okipnyak - Lviv: NASV, 2017. 470 p.
34. Miliutin V.A., Ftemov Y.O., Pavliuchyuk V.P., Kolos R.L., Shvets O.O., Ivasiuk M.O., Sakovych L.M. Organisation of tasks by units and subunits of the engineering troops of the Armed Forces of Ukraine. Part I. Fundamentals of engineering support. Engineering reconnaissance: Study guide □ Lviv: DIA, 2014. - 142 p.
35. Organisation of Task Performance by Units and Subunits of the Engineer Troops of the Armed Forces of Ukraine. Part II. Engineering support of combat operations: Study guide / Ivasiuk M.O., Ftemov Y.O., Pavliuchyuk V.P., Kolos R.L., Shvets O.O. - Lviv: NAAU, 2015. 490 p.
36. Demidchuk F.A., Panov V.G., Kobylanskyi V.I., Usevych O.S. Engineering support of combat operations. Part 2. Engineering support of offensive combat MB (TB). Study guide. - Kamianets-Podilskyi: - Kamianets-Podilskyi Ivan Ohienko National University, 2011. 158 p.
37. Henyk V.M., Demidchuk F.A. Combat use of units and subunits of the engineering troops of the Armed Forces of Ukraine. Study guide. - Kamianets-Podilskyi: - Kamianets-Podilskyi Ivan Ohienko National University, 2011. 102 p.
38. Demidchuk F.A., Panov V.H., Denysenko O.M., Sytnik O.V. Tactics of actions of engineering troops. Part I. Study guide. - Kamianets-Podilskyi: - Kamianets-Podilskyi Ivan Ohienko National University, 2011. 89 p.
39. Training Standard I-ST-3. Individual training of a serviceman in military medical training.
40. Sydorenko P.I. Medical support. Textbook / P.I. Sydorenko, T.M. Gut, H.A. Chernyshenko - K.: Medicine, 2008. - 432 p.

### Topic titles and distribution of study time by types of academic activities

№ s/n	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
		<b>7</b>	<b>6</b>	<b>1</b>	<b>Topic 1: Fundamentals of communication organisation in tactical command and control units of the Armed Forces of Ukraine.</b>
1.	Group session	2	2		<b>Lesson 1: Organisation of communication in tactical command and control units.</b> 1. Conditions that determine the organisation of communication in the tactical command and control units of the Armed Forces of Ukraine. 2. Organisation of communication in a company of marines. 3. Organisation of communications in a battalion.
2.	Group session	2	2		<b>Lesson 2. Electronic warfare and communication security.</b> 1. Capabilities of electronic warfare means of the Armed Forces of Ukraine and the Russian army. 2. Covert command and control of troops. Classification of communication security breaches. 3. Procedure for working in radio networks and radio directions under the influence of enemy electronic warfare.
3.	Practical session	3	2		<b>Lesson 3: Organisation of unit management during the main types of combat (tactical actions).</b> 1. Working out the scheme of company (battalion) management in an offensive battle. 2. Developing a company (battalion) command scheme in a defensive battle. 3. Development of warning, interaction and control tables.
				1	1. Practice the company's (battalion's) electronic warfare capabilities in various types of combat in workbooks.
		<b>8</b>	<b>6</b>	<b>2</b>	<b>Topic 2. Work on regular means of communication of the tactical command and control.</b>
4.	Practical session	2	2		<b>Lesson 1. Work on regular radio communication equipment.</b> 1. Purpose, capabilities and technical characteristics of standard radio communication equipment. 2. Preparation for the operation of portable, backpack radios and radios installed on armoured objects.
5.	Practical session	2	2		<b>Management of the unit (radio communication in radio networks) during the performance of the assigned task.</b> 1. Preparation of radio equipment for operation and entry into communication. 2. Conducting radio communication in radio networks and radio directions and transmitting combat control commands using digital means of communication using C2 concealment documentation during execution of the assigned mission.
6.	Practical session	4	2		<b>Lesson 3. Work on the means of communication of the tactical command and control.</b> 1. Purpose, capabilities and technical characteristics of wired communications. Preparing them for work. 2. Purpose, capabilities and technical characteristics of satellite communications.
				2	1. Training in radio communication in radio networks and radio directions and the transmission of combat control commands by digital means of communication using additional functions and C2 concealment documentation during the performance of the assigned task.
		<b>8</b>	<b>6</b>	<b>2</b>	<b>Topic 3: Engineering support for the actions of the forces.</b>
7.	Group session	2	2		<b>Lesson 1: Purpose, organisational structure and combat capabilities of the brigade's GIZ.</b>

					1. Composition and purpose of military units and subunits of engineering troops. Principles of combat use of military units and subunits of engineering troops. 2. Purpose, organisational and staffing structure and combat capabilities of the battalion combat engineer platoon. 3. Purpose, combat employment, organisational structure and combat capabilities of the brigade engineer support group.
1	2	3	4	5	6
8.	Group session	4	2		<b>Lesson 2. Engineering support measures.</b> 1. Organisation of the implementation of the main measures of engineering support for defensive combat. 2. Organisation of the main measures of engineering support for offensive combat. 3. Study of the capabilities of engineering units in the organisation of engineering support. Technical specifications, possibilities of making paths in the minefields.
			2		1. To study the symbols of IP units and elements of the combat order.
9.	Group session	2	2		<b>Lesson 3: Basics of aerosol camouflage.</b> 1. Standard means of aerosol camouflage. 2. The procedure for choosing methods of aerosol masking. 3. Practical setting up of aerosol curtains using standard aerosol (smoke) means.
		<b>10</b>	<b>8</b>	<b>2</b>	<b>Topic 4. Organisation of engineering support for the preparation of defensive (offensive) company combat.</b>
10.	Practical session	6	4		<b>Lesson 1. The work of the company commander in organising engineering support for the preparation of a defensive battle.</b> 1. Engineering and tactical calculations of the company commander to plan the activities of the engineering equipment of the COP (POP) in the preparation of a defensive battle. 2. Instructions from the company commander on engineering support for the preparation of a defensive battle.
			2		1. Learn the sequence of terrain analysis by OCOKA factors.
11.	Practical session	4	4		<b>Lesson 2. The work of the company commander in organising engineering support for an offensive battle.</b> 1. Planning of engineering support measures in the preparation of an offensive battle. 2. Instructions of the company commander for engineering support of an offensive battle.
		<b>8</b>	<b>6</b>	<b>2</b>	<b>Topic 5. Organisation of the company (battalion) logistics.</b>
12.	Group session	2	2		<b>Lesson 1: Material support of units and calculation and supply units.</b> 1. Norms of food supply, calculation of the weight of the supplement. 2. Norms of provision of fuels and lubricants, calculation of the mass of refuelling. 3. Standards of provision of military personnel with clothing and soap, calculation of the weight of a set of clothing.
13.	Group session	2	2		<b>Lesson 2: Organisation of logistics support for a company (battalion) in preparation for and during combat operations.</b> 1. Features of logistics on the march. 2. Features of logistics when located on the spot. 3. Features of logistics support in defence. 4. Features of logistics support in the offensive.
14.	Group session	4	2		<b>Lesson 3. The role and place of company (battalion) officials in the organisation of logistics support in the main types of combat (actions).</b> 1. Algorithm of actions of the logistics sergeant, company sergeant major in the organisation of logistics support in the main types of combat (actions). 2. Algorithm of actions of the deputy battalion commander for logistics during the organisation of logistical assets in the main types of combat (actions).

					3. Demanding, receiving (acceptance) and creating stocks (replenishment) in units of the established stocks of materiel and equipment. Ensuring the safety of the logistical assets and bringing them to the units, supplying the logistical assets.
			2		1. Write down in a workbook the algorithm of actions of the logistics sergeant, company sergeant major during the organisation of logistics support in the main types of combat (actions). 2. Write down in a workbook the algorithm of actions of the deputy battalion commander for the rear during the organisation of logistics in the main types of combat (actions).
		<b>4</b>	<b>2</b>	<b>2</b>	<b>Topic 7. Fundamentals of organising medical support of the AFU units.</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
21.	Group session	4	2		<b>Lesson 1: Tasks and organisational structure of the battalion medical service. Means of medical support.</b> 1. Medical service of a marine battalion. 2. The role and place of the platoon combat medic and the senior company combat medic in the main types of combat (actions). 3. Tactical medicine. Individual and group means of medical support.
			2		1. Learn the principles and objectives of tactical medicine. 2. In the workbook, work out the scheme of forces and means of the battalion (company) medical service, the contents of the individual first aid kit (IFAK).
<b>Total</b>		<b>45</b>	<b>34</b>	<b>11</b>	

## MODULE 3. “LEADERSHIP AND DAILY ACTIVITIES”

### MS 7 LEADERSHIP

name of the component

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

The purpose of teaching the discipline "Leadership" at the tactical level command courses (L-1C) is: to improve students' leadership skills, develop character and professionalism, strive for excellence and achieve basic competencies of military leaders; improve students' personal skills in solving problems and performing duties; forming practical skills in mastering knowledge in other areas of professional activity, searching, analysing and providing critical assessment of information from various sources.

As a result of studying the discipline, students should:

*know:*

requirements for organising and conducting internal communication work in the unit;  
basic requirements and methods of conducting formal and informal APD in the unit;  
models and features of situational leadership in a military unit;  
effective forms and methods of resolving interpersonal conflicts in a military unit.

*be able to:*

skilfully use methods of stress neutralisation and methods of emotional and volitional self-regulation;  
use methods of effective prevention of deviant and suicidal behaviour of servicemen, prevention and resolution of conflicts in the service (unit);  
organise and conduct internal communication work in the unit with local authorities and the local population;  
to take measures to maintain an appropriate level of moral and psychological state of the personnel;  
form an effective combat team and maintain its readiness to perform combat missions;  
identify and develop leadership qualities of personnel;  
to establish interaction with the media.

#### **Organisational and methodological instructions**

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

Lecture is the main type of classroom teaching intended for mastering the theoretical material of a topic.

The main purpose of the lecture is to systematise the foundations of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of management activities of a military leader, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of students, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in

combination with active forms and methods of teaching educational material. Classes should be conducted using the method of oral presentation of educational material, with individual issues and educational elements worked out in the form of a dialogue between the teacher and the students and by asking them problematic questions.

A group lesson is a type of lesson during which the teacher presents new educational material in a verbal and visual way, controls the students' learning of this material by questioning them and helps to consolidate it.

Group classes are held for the purpose of detailed study by students of the issues and problems discussed in lectures and detailed consideration of topical issues of the educational material. The main teaching methods used are explanation with demonstration and discussion. To ensure clarity during classes, it is necessary to use technical means of transmitting information and visualisation (tables, diagrams, slides, and posters).

Round table is a form of public discussion or coverage of educational (problematic) issues, when participants speak in a certain order or discuss problems with equal rights of participants. The purpose of the round table is to discuss existing problematic issues and then prepare proposals for resolving these issues.

The roundtable should be aimed at consolidating and deepening the knowledge gained during lectures and group classes, as well as during independent work of students, and developing skills to solve problematic issues that arise in the daily activities of officers.

Independent work shall be carried out in order to:

to practice and master the training material;

consolidation and deepening of knowledge, skills and abilities;

preparation for the following classes and control measures;

forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge in students.

Independent work should be provided with teaching and learning materials (educational literature, textbooks, assignments and guidelines). All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

The study of educational issues of independent work remotely is carried out in accordance with the requirements of the developed online course.

### **Material and technical support**

Classes should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation for two students. It is mandatory to use technical training aids during the training sessions.

### **Information and methodological support**

1. Concept of educational work in the Armed Forces and other military formations of Ukraine. Approved by Presidential Decree No. 981/98 of 4 September 1998 (as amended by Presidential Decree No. 28/2004 of 12 January 2004).

2. Order of the Ministry of Defence of Ukraine No. 4 of 04 January 2017 "On Approval of the Instruction on the Organisation of Information and Propaganda Support in the Armed Forces of Ukraine".

3. Order of the Ministry of Defence of Ukraine of 14.12.16 No. 685 "On Approval of the Regulation on the Service of Military Clergy (Chaplaincy Service) in the Armed Forces of Ukraine".

4. Order of the Minister of Defence of Ukraine of 19.04.1997 No. 11 "On Strengthening Military Discipline in the Armed Forces of Ukraine".
5. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 16.11.2012 No. 240 "On the introduction of psychological training of personnel in the training process of command and control bodies and troops (forces)".
6. Order of the General Staff of the Armed Forces of Ukraine of 27.04.2018 No. 173DSK "On Approval of the Guidelines on Moral and Psychological Support for the Training and Employment of the Armed Forces of Ukraine".
7. Order of the General Staff of the Armed Forces of Ukraine No. 153 of 29.04.2017 "On Approval of the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine" (as amended by Order of the General Staff of the Armed Forces of Ukraine No. 287 of 16.08.2017 "On Approval of Amendments to the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine").
8. Order of the General Staff of the Armed Forces of Ukraine of 27.12.2018 No. 462 "On Approval of the Instruction on the Organisation of Psychological Decompression of the Military Personnel of the Armed Forces of Ukraine".
9. Order of the Commander-in-Chief of the Armed Forces of Ukraine of 23 October 2020 No. 173 "On Approval of the Instruction on the Organisation of Psychological Training in the Armed Forces of Ukraine".
10. Order of the Ministry of Defence of Ukraine of 19.01.16 No. 27 "On Approval of the Instruction on the Organisation of Social and Legal Protection of Servicemen, Persons Liable for Military Service and Reservists Called up for Training (or Testing) and Special Training, and Members of Their Families, Employees of the Armed Forces of Ukraine in the Armed Forces of Ukraine".
11. Order of the Ministry of Defence of Ukraine of 10.12.14 No. 883 "On Approval of the Instruction on the Organisation of Professional and Psychological Selection in the Armed Forces of Ukraine".
12. Order of the Ministry of Defence of Ukraine of 16.01.16 No. 25 "On Approval of Amendments to the Instruction on the Organisation of Professional and Psychological Selection in the Armed Forces of Ukraine".
13. Order of the Ministry of Defence of Ukraine "On Approval of the Concept of Strategic Communications of the Ministry of Defence of Ukraine and the Armed Forces of Ukraine" No. 612 of 22.11.2017.
14. Military Education: History, Theory and Methodology: Study guide / edited by V.V. Yahupov. - K.: Graphic&Design, 2002. - 560 p.
15. Leadership of Sergeant and Officer (psychological and pedagogical aspect): Study guide / O.V.Boyko, O.V.Kopanytsia, A.V.Lunkov, A.M.Romanyshyn, N.Speid - Lviv: LISV, 2009. 188 p.
16. Methodological recommendations on organising and conducting combat training classes with due regard to the training facilities created at the training grounds. CSR OF THE AFU, 2014.
17. Psychodiagnostics of leadership qualities of servicemen. Methodological manual. June 2023.

### Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
		<b>45</b>	<b>34</b>	<b>11</b>	<b>Topic 1: Leadership</b>
1.	Lecture	3	2		<b>Lesson 1: The problem of leadership in the context of the value and ethical paradigm of modernity</b> 1. The essence and content of value-based leadership theories. 2. Value aspects of leadership for the professional training of military specialists
				1	1. Types of professional ethics and their humanistic orientation. 2. Features of professional ethics of military personnel
2.	Group session	3	2		<b>Lesson 2: Gender aspects of professional activity of an officer</b> 1. Gender equality in the security and defence sector of Ukraine. 2. Gender competence as a component of an officer's professional competence. 3. The role of the commander (chief) in ensuring equal rights and opportunities for men and women
				1	1. Success and leadership in the military. 2. Formation of personal leadership qualities
3.	Group session	3	2		<b>Lesson 3: Professionalism and leadership of officers</b> 1. Authority and leadership of the commander (chief). 2. Fundamentals of professionalism and leadership of officers
				1	1. Content and procedure for assessing the level of authority and leadership of commanders (chiefs). 2. Selection and assignment of servicemen to junior command positions based on leadership potential
4.	Group session	3	2		<b>Lesson 4. Personnel management</b> 1. Theoretical principles of management. 2. General functions and methods of management
				1	1. Purpose and content of troop management. 2. Specificity and requirements of troop management
5.	Group session	3	2		<b>Lesson 5. Organisational culture and ethical issues of the manager</b> 1. The system of personal qualities of a manager. 2. Organisational culture of the manager. 3. Ethical problems of management
				1	1. Motivation and self-motivation. 2. Ensuring the motivation of subordinates
6.	Group session	3	2		<b>Lesson 6. Overview of leadership theory</b> 1. Forms of managerial influence. 2. Situational and adaptive approach to effective leadership. "Leadership" according to NATO standards.

					3. Interaction of a commander (chief) with a subordinate
				1	1. The role and place of military discipline in the performance of military service tasks. 2. Formation of the commitment of servicemen to a healthy lifestyle
7.	Group session	2	2		<b>Lesson 7. The manager as an organiser and educator of the team</b> 1. The essence and content of the communication process in management. 2. Military team and stages of its development. 3. Psychological and business characteristics of subordinates
8.	Roundtable Discussion	6	6		<b>Lesson 8. Practical mechanisms of using the methodology of situational leadership in the activities of a unit commander</b> 1. Theoretical foundations and situational leadership in the activities of the unit commander. 2. Experience of using the theory of situational leadership in the professional activity of the officer. 3. Identification and development of leadership qualities of personnel
9.	Group session	3	2		<b>Lesson 9. Deviant behaviour in war</b> 1. Essence, characteristics of deviant behaviour in war. 2. Forms and methods of social and psychological relaxation and rehabilitation of servicemen
				1	1. Features and types of internal conflicts of personality. 2. Causes and factors of interpersonal and intergroup conflicts in military teams and ways to overcome them.
10.	Roundtable Discussion	8	6		<b>Lesson 10. Manifestation of leadership of commanders in a combat situation</b> 1. Forming an effective combat team and maintaining its readiness to perform combat missions. 2. Discussion of actions of the commander (chief) and soldiers that positively affect the image of the Armed Forces of Ukraine. 3. Discussion of negative actions of commanders and soldiers during participation in hostilities.
				2	1. Establishing and maintaining interaction with the authorities and public organisations. 2. Interaction of servicemen with civilians in professional activities.
11.	Group session	4	2		<b>Lesson 11. Strategic communications in the Armed Forces of Ukraine.</b> 1. Information hygiene of troops. 2. Study of the problems of strategic communications in the Armed Forces of Ukraine.
				2	1. Preparation for the seminar.
12.	Seminar	4	4		<b>Lesson 12. Prohibited means and methods of warfare</b> 1. Restrictions on the general nature of warfare. 2. Prohibited methods and means of warfare. 3. The use of weapons by servicemen to protect health and life, repel an attack on military objectives.
<b>Total</b>		<b>45</b>	<b>34</b>	<b>11</b>	

## **MS 8 DAILY ACTIVITIES**

name of the component

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

To maintain units in constant readiness to perform assigned tasks, to develop and maintain planning documents for the unit's combat readiness.

To organise and conduct combat training in the unit, keep records of it; to work out planning and reporting documents, personally conduct classes with the personnel of the unit, effectively use training facilities and objects of the training material and technical base.

To organise and maintain company economy, accounting of personnel, weapons and military equipment, equipment and other material resources; to master the methodology of accounting and write-off of military property, acceptance (delivery) of cases and the position of the unit commander.

As a result of studying the discipline, students should:

*know:*

the procedure for organising daily activities in a company (battalion);

the procedure for organising personnel records in a 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 (battalion).

*be able to:*

organise and conduct combat training in a unit (company, battalion), keep records of it;

develop planning and reporting documents for combat training;

organise and maintain daily activities in the unit;

organise and maintain company housekeeping;

organise and keep records of material assets in the unit;

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

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

1. Statutes of the Armed Forces of Ukraine. Approved by the Laws of Ukraine of 24.03.99 No. 548 (as amended).

2. Law of Ukraine "On Military Duty and Military Service" of 25.03.1992 No. 2232-XII (as amended).

3. Directive of the General Staff of the Armed Forces of Ukraine "On the organisation of training of the Armed Forces of Ukraine in the academiCPC year".

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

5. Order of the Ministry of Defence of Ukraine of 24.10.2016 No. 553 "On Approval of the Instruction on Organisation of Guard Service in the Armed Forces of Ukraine".

6. Order of the Ministry of Defence of Ukraine dated 25.10.2016 No. 560 "On Approval of the Regulation on Paramilitary Protection of the Armed Forces of Ukraine, Instruction on Organisation and Performance of Guard Service by Paramilitary Guards at the Armed Forces of Ukraine".

7. Order of the Ministry of Defence of Ukraine of 25.10.2016 No. 561 "On Approval of the Regulation on the Watch Guard and the Instruction on Organisation and Performance of Service by the Watch Guard".

8. Order of the Ministry of Defence - General Staff of 10.03.17 No. 1t/05 "On Approval of the Temporary Instruction on the Procedure for Assessing Combat and Mobilisation Readiness, Readiness to Perform Functional Duties in Military Organisational Structures of the Ministry of Defence of Ukraine and the Armed Forces of Ukraine in a Special Period".

9. Order of the Minister of Defence of Ukraine No. 352 of 29.05.2013 "On Approval of the Temporary Instruction on the Procedure for Organising and Conducting Inspections and Assessment of Acquiring Operational and Combat Capabilities in the Armed Forces of Ukraine".

10. Order of the Minister of Defence of Ukraine of 29.06.2005 No. 359 "On Approval of the Instruction on Organisation of Accounting, Storage and Issuance of Small Arms and Ammunition in the Armed Forces of Ukraine" (as amended).

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

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

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

14. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine No. 498 of 28.12.2016 "On the Procedure for Developing (Refining) Standards for Individual and Collective Training of the Armed Forces of Ukraine".

15. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine No. 180 of 14.11.2005 "On Approval of the Regulation on the Service of Troops in the Armed Forces of Ukraine".

16. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine No. 364 of 27 September 2016 "On Approval of the Procedure for the Use of Protective Equipment by the Military of the Armed Forces of Ukraine and the Status of Weapons Loaded in accordance with the Degree of Threat".

17. Order of the Ministry of Defence of Ukraine No. 333 of 26.05.2014 "On Approval of the Instruction on Organisation of Personnel Records of the Armed Forces of Ukraine".

18. Resolution of the Cabinet of Ministers of Ukraine of 18.12.2013 No. 939 "On Approval of the Procedure for Organising and Ensuring the Regime of Secrecy in State Bodies, Local Self-Government Bodies, Enterprises, Institutions and Organisations and Recognition of Certain Resolutions of the Cabinet of Ministers of Ukraine as Invalid".

19. H. P. Vorobiov, Y. A. Dumanskyi, V. I. Hrabchak and others. Combat Training of the Land Forces of the Armed Forces of Ukraine: Theory and Practice. Monograph. Lviv. 2013.

20. Military administrative activity: Study guide / M.A. Holovyna, V.M. Durach, O.V. Ivashchenko, R.I. Sapiga, N.T. Stukalina - Lviv: NASV, 2012. 240 p.

21. Methodological recommendations on company housekeeping and organisation of control over the service of troops. LVIV: DIA, 2010.

22. Methodical recommendations on peculiarities in the organisation of certain issues of daily activities and service of troops in military units of the Land Forces of the Armed Forces of Ukraine. Kyiv, 2016.

23. Management of daily activities of units: Study guide - Lviv: NASV, 2021. - 364 p.

24. Fundamentals of combat training of the units of the Land Forces of the Armed Forces of Ukraine: Study guide / Edited by Major General of the Reserve M.A. Holova. - Lviv: NASV, 2018. 240 p.

25. Guidelines for ensuring personal cybersecurity. August 2023.

## Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points, methodological recommendations
			Classroom hours	Independent work	
1	2	3	4	5	6
		<b>10</b>	<b>8</b>	<b>2</b>	<b>Topic 1: Daily activities of the troops</b>
1.	Lecture	2	2		<b>Lesson 1. Management of daily activities as a component of military management.</b> 1. Components of daily activities management of units and their characteristics. 2. The main categories, concepts of daily activities and their characteristics
2.	Group session	4	4		<b>Lesson 2: Organisation of service of troops in a unit.</b> 1. Daily routine of military units (concept, procedures, time allocation, daily schedule, conduct of briefings, etc.). 2. Peculiarities of everyday life in the permanent station, recovery area, during combat missions (combat, after combat)
3.	Group session	4	2		<b>Lesson 3: Organisation of personnel records in a unit.</b> 1. The main provisions of the governing documents on personnel accounting in the unit. 2. The procedure for accounting for personnel in the unit (company, platoon). 3. The procedure for controlling personnel involved in tactical groups during combat missions
				2	1. Take notes on the main provisions of the guiding documents on personnel records in the unit. 2. Write out the procedure for accounting for personnel in a unit (company, platoon)
		<b>6</b>	<b>6</b>		<b>Topic 2. Fundamentals of organisation and methods of combat training of units (subunits)</b>
4.	Group session	2	2		<b>Lesson 1: Fundamentals of combat training of a unit (subunit).</b> 1. The main provisions of the guiding documents on the organisation of combat training. 2. Accounting for combat training in the unit
5.	Group session	2	2		<b>Lesson 2: Organisation of training in a unit.</b> 1. The purpose and place of individual and collective training in the combat training system. 2. Organization of individual training in the unit. 3. Organisation of collective training in the unit
6.	Group session	2	2		<b>Lesson 3: The concept of unit combat readiness.</b> 1. Indicators of combat readiness. 2. Checking the company's readiness to perform tasks
		<b>14</b>	<b>10</b>	<b>4</b>	<b>Topic 3: Fundamentals of organisation and management of military economy</b>
7.	Lecture	2	2		<b>Lesson 1: Fundamentals of company-level supply and property management.</b> 1. Tasks and organization of company-level property and supply management. 2. Organisation of storage of weapons, military equipment and company-level property and supply management
8.	Group session	4	4		<b>Lesson 2: Receiving and accounting for military property in a unit.</b> 1. The procedure for receiving (delivery) of material and technical means from the warehouse (to the warehouse).

					2. The work of the unit commander on the accounting and write-off of material assets in the unit
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
9.	Practical session	8	4		<b>Lesson 3. Procedures and responsibilities of a commander during the change of command.</b> 1. General provisions on accepting and handing over cases and the position of a unit commander. 2. The work of the unit commander during the acceptance of cases and position, its features in the conditions of participation of the unit in hostilities. 3. Documentation of acceptance, delivery of cases and position
				4	1. To write down the procedure of work of the unit commander during the acceptance of cases and post, its features in the conditions of participation of the unit in hostilities
<b>Total</b>		<b>30</b>	<b>24</b>	<b>6</b>	

## **MS 9 ORGANISATION OF MORAL AND PSYCHOLOGICAL SUPPORT**

name of the component

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

The purpose of teaching the discipline "Organisation of moral and psychological support" is:

improving students' knowledge and skills in organising moral and psychological support in the unit;

Developing practical skills for effective influence on the minds and psyches of military personnel to ensure that they perform their tasks under any circumstances;

development of students' analytical and creative thinking to ensure the quality of assigned tasks.

As a result of studying the discipline, students should:

*know:*

general principles of organisation of moral and psychological support and effective management of personnel;

theoretical aspects of organising internal communication work in the unit;

the system of work of the unit commander on the methodology for assessing the moral and psychological state in the unit;

theoretical foundations of planning and organisation of moral and psychological support in a military unit;

the basics of the work of the unit commander to identify and prevent combat-related mental trauma and disorders in soldiers.

*be able to:*

take into account and apply types, forms and methods of psychological training;

independently and creatively solve the tasks of information-propaganda and psychological support of the personnel of a military unit (military collective), apply the acquired knowledge in practice;

to organise moral and psychological support in the unit, skilfully use methods of stress neutralisation and methods of emotional and volitional self-regulation;

organise moral and psychological support for the preparation and use of the unit;

master the methods and technologies of working with personnel on the formation, maintenance and restoration of the moral and psychological state of servicemen.

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

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

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

group form of learning, when students are combined into groups that work in parallel;

individual form of learning, 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: verbal and visual, training, situational and cognitive methods.

The above methods provide students with knowledge, skills, and abilities, but to develop their creative abilities, the class leader should use problem-based learning methods.

Independent work should be carried out with the aim of working out and mastering the educational material; consolidation and deepening of knowledge, skills and abilities; preparation for the next classes and control measures; formation of a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among students.

### **Material and technical support**

It is mandatory to use technical means of training during training sessions.

### **Information and methodological support**

1. Constitution of Ukraine. The Basic Law. - Kyiv, 1996 (as amended) // Official Gazette of Ukraine of 21.02.2019.
2. Order of the General Staff of the Armed Forces of Ukraine of 27.04.2018 No. 173DSK "On Approval of the Guidelines for Moral and Psychological Support of Training and Employment of the Armed Forces of Ukraine".
3. Doctrine of Military Leadership Development in the Armed Forces of Ukraine, developed by the Main Doctrine and Training Department of the General Staff of the Armed Forces of Ukraine, December 2020.
4. Order of the Commander-in-Chief of the Armed Forces of Ukraine of 23.10.2020 No. 173 "On Approval of the Instruction on the Organisation of Psychological Training in the Armed Forces of Ukraine".
5. Order of the Commander-in-Chief of the Armed Forces of Ukraine No. 97 of 14.04.2021 "On Approval of the Algorithm for Conducting Professional and Psychological Selection of Candidates for Contractual Military Service in the Armed Forces of Ukraine".
6. Standard "Psychological Training" STI 01.22.A, June 2018.
7. Order of the General Staff of the Armed Forces of Ukraine of 29.04.2017 No. 153 "On Approval of the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine" (as amended, Order of the General Staff of the Armed Forces of Ukraine of 16.08.2017 No. 287 "On Approval of Amendments to the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine").
8. Order of the General Staff of the Armed Forces of Ukraine of 27.12.2018 No. 462 "On Approval of the Instruction on the Organisation of Psychological Decompression of the Military Personnel of the Armed Forces of Ukraine".
9. Order of the Ministry of Defence of Ukraine No. 4 of 04.01.2017 "On Approval of the Instruction on the Organisation of Information and Propaganda Support in the Armed Forces of Ukraine".
10. Methodological recommendations on psychological training of the military personnel of the Armed Forces of Ukraine on the formation of stress resistance to actions in conditions of a sharp change in the combat situation. TKP 1-160(31)03.01, Main Directorate of the MHU of the Armed Forces of Ukraine, January 2021.
11. Methodological recommendations on the use of social media in the Armed Forces of Ukraine, approved by the Commander-in-Chief of the Armed Forces of Ukraine on 01.09.2021.
12. Methodological recommendations for commanders (chiefs) on the prevention of gambling addiction among servicemen, approved by the Chief of the General Staff of the Armed Forces of Ukraine on 30.06.2021.
13. Methodological manual "Culture of relations in a military team. A commander's guide" / edited by N. A. Agayev. K. : Osvita Ukrainy Publishing House, FOP Maslakov R.O., 2021.
14. Psychology of Combat: Activities of a Unit Commander. Study guide. - Lviv: Mont Blanc, 2017.
15. Moral and psychological support in the Armed Forces of Ukraine. Textbook / Stasiuk V.V. - K.: NUOU, 2020.

## Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
1	2	3	4	5	6
		<b>12</b>	<b>8</b>	<b>4</b>	<b>Topic 1: Organisation of moral and psychological support for company (battalion) training and employment</b>
1.	Group session	4	2		<b>Lesson 1: The nature and scope of moral and psychological support within the armed forces of Ukraine.</b> 1. General characteristics, content and main directions of the moral and psychological support system in the AFU. 2. Organisation of the moral and psychological support during the Russo-Ukrainian war
				2	1. To study the organisation of interaction in the interests of the moral and psychological support. 2. To learn about civil-military relations in the Armed Forces of Ukraine
2.	Group session	4	2		<b>Lesson 2: Organisation of moral and psychological support for the preparation and use of a company (battalion).</b> 1. Organisation of moral and psychological support for company (battalion) training. 2. The content of the activities of unit officials on the moral and psychological support of the use of the company (battalion)
				2	1. To develop the organisation and procedure for planning the moral and psychological support of company (battalion) training and employment
3.	Group session	2	2		<b>Lesson 3: Formation, maintenance and restoration of the moral and psychological state of company (battalion) personnel.</b> 1. The essence and content and procedure for assessing the moral and psychological state of personnel. 2. Methods and technologies for strengthening the moral and psychological state of servicemen
4.	Group session	2	2		<b>Lesson 4. Procedure for the company commander's actions when personnel refuse to perform a combat task and abandon their positions.</b> 1. Conditions that precede the emergence of situations in which personnel refuse to perform a task (escape from position). 2. The algorithm of actions of the company commander in the event of an emergency situation
		<b>18</b>	<b>16</b>	<b>2</b>	<b>Topic 2. Methods of anti-stress training of personnel</b>
5.	Practical session	6	6		<b>Lesson 1: Psychological work with group resistance as one of the main reactions to stress in conditions of uncertainty.</b> 1. Practical definition of manifestations of helplessness and despair. 2. Performing psychological assistance exercises. 3. Procedure for developing psychological resilience to psychotraumatic factors of modern combat operations
6.	Practical session	6	6		<b>Lesson 2. Motivating servicemen to perform assigned tasks.</b> 1. Training in the formation of psychological resilience
7.	Group session	6	4		<b>Lesson 3. Methods of preparing and conducting a lesson by a company commander on overcoming tank fear and psychological adjustment of personnel to survive in conditions of enemy use of rocket and artillery weapons.</b> 1. Peculiarities of preparing and conducting a lesson to overcome the fear of tanks of military personnel. 2. Peculiarities of preparing and conducting a lesson by a company commander on the psychological adjustment of the unit's personnel for survival in the conditions of the enemy's use of rocket and artillery weapons
				2	1. To review the materials of practical training sessions
<b>Total</b>		<b>30</b>	<b>24</b>	<b>6</b>	

## **MODULE 3: “BATTALION (OR EQUIVALENT UNIT) STAFF OPERATIONS IN PLANNING AND CONDUCTING COMBAT OPERATIONS USING THE MDMP PROCESS”**

### **MS 10 MILITARY DECISION-MAKING PROCESS (MDMP)**

name of the component

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

to prepare an officer who is able to use the military decision-making process (MDMP) at the battalion level and lead subordinate units in the main types of combat.

As a result of studying the discipline, students will:

*know*

the structure, purpose and tasks of the battalion headquarters (BTG);

combat capabilities of battalion (BTG) units, tactics of actions in various types of combat;

combat support functions (movement and manoeuvre, reconnaissance, fire concentration, troop protection, logistics, decentralisation of command);

basic provisions of the military decision-making process (hereinafter - MDMP);

the procedure for the work of battalion headquarters sections (BTG), functional responsibilities, and the procedure for interaction.

*be able to:*

perform functional duties as part of the S-structure of the brigade command and S-structure of the battalion headquarters (BTG);

map the situation on a topographical map using the military geometric coordinate system (MGRS);

to qualitatively develop and maintain combat documents (graphic and textual) developed during the WPR;

to perform functional duties as part of battalion headquarters sections (BTG).

#### **Logistical support**

It is mandatory to use technical training aids during the training sessions.

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

1. Manual "Military decision-making process (battalion). Lithuanian-Polish-Ukrainian Brigade named after the Grand Hetman Kostiantyn Ostrozkyi. September 2023.

2. Planning and organisation of combat according to NATO standards. Military educational and methodological publication. International Centre for Peacekeeping and Security. Lviv, 2022.

3. Conducting ground tactical operations in urbanised areas. NATO standards. August 2023.

## Topic titles and distribution of study time by types of academic activities

№ n/a	Types of academic activities, assessment methods	Total hours	Among them		Topic title and learning points
			Classroom hours	Independent work	
		<b>15</b>	<b>12</b>	<b>3</b>	<b>Topic 1: Main characteristics and content of the military decision-making process (MDMP) for battalion operations</b>
1.	Group session	4	4		<b>Lesson 1: Battalion headquarters structure, functions and responsibilities of battalion headquarters section officials.</b> 1. Structure, purpose and main tasks of the battalion headquarters. 2. General duties of staff officers. Relationships between headquarters (headquarters sections)
2.	Group session	6	4		<b>Lesson 2. General principles of the military decision-making process (MDMP).</b> 1. Content and principles of the military decision-making process: <ul style="list-style-type: none"> <li>- Stage 1: "Receiving the task";</li> <li>- Stage 2: Task Analysis;</li> <li>- Stage 3 "Development of action options";</li> <li>- Stage 4: "Analysis of action options"</li> <li>- Stage 5: "Comparing options";</li> <li>- Stage 6: "Approval of Options";</li> <li>- Stage 7: "Development of orders".</li> </ul>
				2	1. Write down the content and principles of the military decision-making process in your workbooks.
3.	Group session	5	4		<b>Lesson 3: Key characteristics and content of integrated MDMP procedures for battalion-level operations.</b> 1. Intelligence support for combat operations. 2. Risk management. 3. Identification of priority targets for fire engagement.
				1	1. Write down the main characteristics and content of integrated MDMP procedures
<b>Total</b>		<b>15</b>	<b>12</b>	<b>3</b>	