EDUCATIONAL PROGRAMME OF THE PROFESSIONAL MILITARY EDUCATION COURSE

BASIC TACTICAL LEVEL COURSE L-1A AND TACTICAL LEVEL PROFESSIONAL COURSE OF MILITARY RECONNAISSANCE
L-1B (MR)

according to the military occupational specialities		
	092500	Organisation of special reconnaissance
	094000	Combat use of military units and subunits of military reconnaissance
	094001	Combat use of ground units of military reconnaissance
	094002	Combat employment of reconnaissance, airborne (air assault), air assault and military reconnaissance units

APPROVED
The Academic Council of the Military Academy (Odesa)
(the minutes of "____" ____ 20___ year №___)
Chairman of the Academic Council
Military Academy (Odesa)
Major General

                    Andrii KOVALCHUK
Put into operation
by the order of the Commandant of the Military Academy (Odesa) "____" ____ 20___ year №___

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APPROVAL SHEET

OF THE CURRICULUM
PROFESSIONAL MILITARY EDUCATION COURSE

BASIC TACTICAL COURSE L-1A AND
TACTICAL LEVEL PROFESSIONAL COURSE OF MILITARY RECONNAISSANCE
L-1B (MR)

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APPROVED

Director of the Department of Military Education and Science of the Ministry of Defence of Ukraine
Doctor of Technical Sciences,
Professor

Volodymyr MIRNENKO

"_____" _____ 20___ p.

APPROVED

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

Oleh PAVLOVSKY

"_____" _____ 20___ p.

APPROVED

Commander of the Land Forces of the Armed Forces of Ukraine
Lieutenant General

Oleksandr PAVLYUK

"_____" _____ 20___ .

Developed and introduced
Chairman of the working group
Deputy Chief of the Intelligence Directorate of the Staff of the Land Forces Command of the Armed Forces of Ukraine.
Colonel

Valerii MARKIN

"_____" _____ 20___ .

APPROVAL SHEET

The curriculum of the professional military education course
"Tactical Level Basic Course L-1A and Tactical Level Professional Course of
Military Reconnaissnace L-1B (MR)"

Position of the person approving the draft report	Comments and suggestions (if any), military rank, signature, Name, surname, date of approval, stamp of the structural unit
Commander of the Land Forces of the Armed Forces of Ukraine	APPROVED Lieutenant General Oleksandr PAVLYUK "_____" _____ 20___ .

Developed and introduced
Chairman of the working group
Deputy Chief of the Intelligence Directorate
of the Staff of the Land Forces Command of
the Armed Forces of Ukraine.
Colonel

Valerii MARKIN
"_____" _____ 20___ .

APPROVAL SHEET

The curriculum of the professional military education course
"Basic Course of Tactical Level L-1A and Professional Course of Tactical Level of
Military Reconnaissnace L-1B (MR)"

Position of the person approving the draft report	Comments and suggestions (if any), military rank, signature, Name, surname, date of approval, stamp of the structural unit
Director of the Department of Military Education and Science of the Ministry of Defence of Ukraine	APPROVED Volodymyr MIRNENKO "_____" _____ 20___ p.

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Position of the person approving the draft report	Comments and suggestions (if any), military rank, signature, Name, surname, date of approval, stamp of the structural unit
Head of the Central Directorate of Military Education and Science of the General Staff of the Armed Forces of Ukraine	APPROVED Colonel Oleh PAVLOVSKY "_____" _____ 20___ .

PREFACE

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

Order of the Commander of the Land Forces of the Armed Forces of Ukraine 24 August 2024 No. 686.

Chairman of the working group:

Valerii MARKIN - Colonel, Deputy Chief of the Intelligence Directorate of the Staff of the Land Forces Command of the Armed Forces of Ukraine.

Members of the working group:

Ihor SHUMKOV - Colonel, Head of the Department of Management of Military Reconnaissance and Special Operations Forces of the Faculty of Military Reconnaissance and Special Operations Forces of the Military Academy (Odesa);

Vitalii RUDYNSKYI - Lieutenant Colonel, Deputy Head of the Department of Management of Military Reconnaissance and Special Operations Forces of the Faculty of Military Reconnaissance and Special Operations Forces of the Military Academy (Odesa);

Yurii RYDIN - Lieutenant Colonel, Senior Teacher at the Department of Management of Military Reconnaissance and Special Operations Forces of the Faculty of Military Reconnaissance and Special Operations Forces of the Military Academy (Odesa);

Dmytro PIKUS - Lieutenant Colonel, Senior Teacher at the Department of Management of Military Reconnaissance and Special Operations Forces, Faculty of Military Reconnaissance and Special Operations Forces of the Military Academy (Odesa);

Ihor ZELENYI - Lieutenant Colonel, Deputy Head of the Faculty of Military Reconnaissance and Special Operations Forces Training for Educational and Scientific Work - Head of the Educational Unit of the Military Academy (Odesa);

Yurii MAKSYMENKO - Colonel, Candidate of Technical Sciences, Associate Professor, Head of the Department of Intelligence and Information Work and Intelligence Equipment of the Faculty of Military Reconnaissance and Special Operations Forces Training of the Military Academy (Odesa);

Yurii HYKALO - Colonel, Candidate of Sciences in Public Administration, Head of the Faculty of Training of Specialists of Military Reconnaissance and Special Operations Forces of the Military Academy (Odesa).

ACCOUNTED FOR:

1. Professional Standard for a Tactical Officer of the Armed Forces of Ukraine (Military Reconnaissance).

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

3. Comments and suggestions from the stakeholder - the Land Forces Command of the Armed Forces of Ukraine.

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

1. PROFILE OF THE EDUCATIONAL PROGRAMME OF THE PROFESSIONAL MILITARY EDUCATION COURSE " BASIC TACTICAL COURSE L-1A AND TACTICAL LEVEL PROFESSIONAL COURSE OF MILITARY RECONNAISSANCE L-1B (MR)"

1 - General information	
Full name of the higher education institution (FFPW, VNP WO)	Military Academy (Odesa)
Name of the document on completion and scope of the educational programme of the professional military education course	Certificate of completion of the professional military education course "Basic course of tactical level L-1A and professional course of tactical level of military reconnaissance L-1B (BP), according to the group of VOS 092500, 094000, 094001, 094002". Scope of the study program: 40 ECTS credits.
Background.	A higher education degree of at least a bachelor's degree; fitness for military service as an officer.
Language(s) of presentation	Ukrainian.
Validity of the educational programme of the professional military education course	For the period of martial law
2 - Objectives of the educational programme	
Acquisition of military professional and military specialised competences for service as tactical level officers in military reconnaissance units.	
3 - Characteristics of the educational programme	
Subject area	Field of knowledge: "25 - Military sciences, national security, state border security"; Speciality: "253 - Military management (by type of armed forces)"; Specialisation: "Management of actions of military reconnaissance units".
The main focus of the educational programme of the professional military education course	Training within the professional level of qualified officers who are competent in the use of weapons and military equipment of the military reconnaissance units and capable of performing assigned tasks in positions of military reconnaissance units with the rank of "senior lieutenant".
Features of the programme	Module 1: Basic Tactical Level Course, L-1A is mandatory for the following category of persons involved in the course: servicemen and women called up for military service during mobilisation who are currently undergoing or have already completed the CPE, servicemen and women who are performing military service under a contract in military units but do not have combat experience; civilian citizens of Ukraine who have not previously performed military service and have no combat experience. Module 2. The professional course of the tactical level of military reconnaissance L-1B (BP) is applied to all categories of persons who have completed the Basic Course of the tactical level, L-1A and additionally to: This educational programme has a reduced scope in in accordance with the requirements of the Catalogue of Professional Military Education Courses approved by the First Deputy Minister of Defence of Ukraine under No. 3409/ud of 06.06.2024, and decisions of the Chief of

	the General Staff of the Armed Forces of Ukraine 11.08.2024 No. 7257/C/dsk, 18.08.2024 No. 111812/C/1 and 27.08.2024 No. 119594/C, and also takes into account the educational programme of the professional military education course "Basic Course of Tactical Level L-1A" VP 7-00(341)345.61, approved by the Chief of the General Staff of the Armed Forces of Ukraine under exh. No. 97672/C of 29.06.2024.
4 - Opportunities for graduates to find employment and further education	
Employment opportunities	Typical positions of persons with the rank of "senior lieutenant" as defined in the professional standard of a tactical officer of the Armed Forces of Ukraine (military reconnaissance).
Further training	Training under the educational programme of the professional military education course "Command Course of the Tactical Level of Military Reconnaissance L-1C (MR)".
5 - Teaching and assessment	
Teaching and learning	The main types of classes used to teach the components of the educational programme are: lectures, seminars, group, practical, group exercises, tactical (tactical-special, tactical-structure) classes and training, consultations, independent studies.
Evaluation	Ongoing supervision during classes, working on practical tasks and standards. Intermediate control of the result of mastering the disciplines of the basic course of the tactical level L-1A. Final control in the form of an exam or test in each discipline. Assessment of the learning outcomes of course participants includes the full range of control measures provided by the programme of academic disciplines and is carried out on a 100-point scale, ECTS scale and national scale. The result of the test on the training material can be assessed on a two-tier scale: "passed" or "failed".
6 - Programme competences	
Military and professional competences (MPC)	**MPC-1.** The ability to perform official duties in good faith and honesty in accordance with the requirements of the Statutes of the Armed Forces of Ukraine and other regulatory legal acts governing official activities, and to demand that subordinates comply with and fulfil them. **MPC-2.** The ability to plan, organise combat and manage a unit in the main types of combat (tactical actions). **MPC-3.** Ability to apply in practice the basic provisions of the theory of management and decision-making, algorithms for making managerial decisions, principles and procedures for effective management of the unit (including NATO standards); conduct historical and retrospective analysis. **MPC-4.** The ability to analyse and understand the mission; lead personnel to achieve it, demonstrating values, character traits and thinking based on examples of the Warrior ethos and outstanding military leadership. **MPC-5.** The ability to improve professional, methodological and physical skills; to personally conduct combat training classes with personnel (unit); to work with secret documents, store weapons and ammunition, ensure compliance with security measures during classes; to maintain the unit's constant readiness to perform assigned tasks in peacetime and wartime. **MPC-6.** Ability to organise CBRN protection in the unit; use personal protective equipment and overcome contaminated areas in various conditions of the situation in the course of

	performing assigned tasks.
	MPC-7. Ability to determine the tactical properties of the terrain when conducting combat operations in various conditions; work with topographic maps and photographic documents; navigate the terrain with a map, without a map and with the help of navigation devices.
	MPC-8. Ability to perform engineering support tasks in various types of combat.
	MPC-9. Ability to organise and maintain communication in the unit using standard means of communication.
	MPC-10. The ability to perform professional activities in conditions of prolonged, diverse physical exertion and mental stress; to organise the training of servicemen to ensure their physical readiness to perform assigned tasks; to organise the performance of tactical medicine tasks.
	MPC-11. The ability to prepare the unit's standard weapons for combat use; effectively use the combat and technical capabilities of weapons (weapons) during combat (combat operations), conducting all types of training with subordinate personnel; the ability to personally master the techniques and methods of accurate fire from standard weapons (weapons) at targets that appear and move, day and night; the ability to control the fire of subordinate units (firearms) during combat missions.
	MPC-12. Ability to apply disciplinary practice in relation to subordinate personnel; manage a unit in compliance with international humanitarian law.
Military-specific competences (MSC)	**MSC-1**. The ability to apply knowledge of the typical organisational structure, weapons, military equipment and tactics of units up to and including battalion in order to perform tasks by reconnaissance units in the interests of units up to and including battalion and organise interaction between them.
	MSC-3. Ability to use technical means of reconnaissance, communication and navigation, which are in service with reconnaissance units.
	MSC-4. Ability to develop information (reporting) documents of the unit (body, military unit).
	MSC-5. Ability to plan the collection of intelligence information (data), develop an intelligence collection plan, and monitor its implementation.
	MSC-6. Ability to prepare and use firearms in service with reconnaissance units: small arms, collective weapons, anti-tank weapons, armament of combat vehicles, as well as advanced combat vehicles with and without targeting devices, night vision, thermal imaging, mortars (including foreign models). To carry out fire control.
	MSC-7. The ability to prepare weapons and military equipment of the unit before each use (including before performing reconnaissance and special tasks), check their availability and serviceability after returning.
	MSC-8. The ability to drive combat vehicles in service with reconnaissance units, to conduct rapid diagnostics of equipment (and its weapons) in order to make a decision on the possibility of its use in the performance of reconnaissance (special) tasks.
	MSC-9. The ability to perform duties at the appropriate level during internships (practice) in military units.
	MSC-10. Ability to apply knowledge, skills and practical skills in managing actions and using intelligence agencies with

the choice of an appropriate way to perform an reconnaissance task with available intelligence assets in different conditions and situations.

MSC-11. The ability to make decisions on the use of reconnaissance forces and means, intelligence agencies in accordance with the scope and scale of their application in compliance with the tasks and requirements for reconnaissance as a separate type of combat support.

MSC-12. The ability to organise and conduct training of subordinate personnel to perform reconnaissance tasks (activities) in the forms and methods determined by the instructions, guidelines and doctrinal documents on combat training in the Armed Forces of Ukraine.

MSC-13. Ability to apply theoretical knowledge of the measures and stages of organising and planning intelligence at the tactical level (up to and including battalion).

MSC-14. The ability to make decisions on the use of a subordinate unit (intelligence agency), including the troop management procedure (TLP, MDMP), taking into account the experience of NATO partner countries.

MSC-15. The ability to prepare combat documents (graphic and textual) for decision-making on combat operations, taking into account the experience of NATO partner countries.

MSC-16. The ability to employ a subordinate reconnaissance unit (intelligence agency) during joint operations as part of joint units of the Armed Forces of Ukraine and NATO member states.

7 - Programme learning outcomes	
Professional training	**LO-1.** Apply the requirements of the Statutes of the Armed Forces of Ukraine in the organisation of service activities in the unit, internal and guard service, maintaining military discipline and ensuring the unit's coherence. **LO-2.** To prepare the unit for combat (tactical actions), to manage the actions of the unit during combat (tactical actions). **LO-3.** To know and understand the principles and procedures for managing a unit according to NATO standards and be able to use them to achieve service and combat objectives; to make informed decisions on the actions of the unit in a combat situation using the principles and procedures of NATO standards; to be able to conduct historical and retrospective analysis of actions. **LO-4.** To know and understand the peculiarities of the officer's profession, the basics of military leadership, values, character traits and types of thinking of outstanding military leaders on the examples of their military professional activities and the ethos of the Warrior. **LO-5.** Know the methods of improving their professional and methodological skills, personally conduct combat training classes with personnel (unit); be able to work with secret documents; securely store weapons and ammunition, unit property, manage the unit's company economy; ensure compliance with safety measures during classes, firing (flights, campaigns), exercises (training), readiness checks. **LO-6.** Organise CBR protection in the unit (use personal protective equipment and overcome contaminated areas) in various conditions of the situation in the course of performing assigned tasks. **LO-7.** Determine the tactical properties of the terrain when conducting combat operations in various conditions; work with topographic maps and photographic documents; navigate

unfamiliar terrain with a map, without a map and with the help of navigation devices, day and night, in any weather and season.

LO-8. Formulate instructions for engineering support to the platoon in various types of combat, using an understanding of basic engineering support measures; carry out practical equipment and camouflage of platoon support elements; organise measures to remove and clear single mines and minefields using standard equipment.

LO-9. To use regular communications equipment in service with the unit to organise communications; to organise measures to protect against enemy electronic warfare during preparation and conduct of combat.

LO-10. Apply knowledge to meet the needs of the serviceman during operations in autonomous conditions at the expense of natural resources; protection from the effects of physical and geographical conditions using natural and improvised means; be able to organise the implementation of tactical medicine tasks.

LO 11. Apply knowledge of the material part of small arms, rules of fire, operation and maintenance of small arms, methods of organising and conducting classes to train unit personnel, prepare weapons for firing in marching (combat) handling and in the performance of combat missions; apply knowledge and skills in fire control of the unit in combat.

LO-12. Understand the procedure for military service, bringing servicemen to criminal, administrative and material responsibility; social and legal protection of servicemen and their families; know the procedure for conducting an internal investigation in the Armed Forces of Ukraine; apply knowledge of international humanitarian law.

LOMS-1. To apply knowledge of the organisational structure, weapons, military equipment and tactics of units up to and including battalion in order to organise interaction and support of a subordinate unit (intelligence agency) in the interests of performing reconnaissance tasks at the tactical level.

LOMS-2. Know and understand the processes of comprehensive support of the reconnaissance unit (intelligence agency), organise and take appropriate measures to prepare the reconnaissance unit (intelligence agency) to perform assigned reconnaissance tasks.

LOMS-4. Personally apply and make informed decisions on the selection and use of the required type of technical means of reconnaissance and communications in service with reconnaissance units.

LOMS-5. To personally use optical, optoelectronic, radar, radio technical means, their advanced analogues and reconnaissance and signalling equipment.

LOMS-6. Prepare information (reporting) documents. Develop documents on the exchange of information with various degrees of access restriction in the interests of the unit (body, military unit).

LOMS-7. To organise the intelligence and information work of the unit for the effective use of forces and means in the performance of assigned tasks. Maintain documentation of the reconnaissance unit (intelligence agency).

LOMS-8. To know the capabilities and tactical and technical characteristics of weapons and military equipment of military reconnaissance units; rules of firing from regular

weapons; the procedure for conducting fire control exercises; requirements of the Course on Small Arms and Armament of Combat Vehicles for the organisation of fire training exercises.

LOMS-9. To organise and carry out the correct operation, maintenance, storage and preparation of small arms and armament of combat vehicles for combat use; bring small arms and armament of combat vehicles to normal combat; perform firing exercises with standard weapons and armament; organise firearms training and live-fire exercises to perform group firing exercises.

LOMS-10. To know the structure, technical characteristics and procedure for operation and maintenance of regular military equipment, requirements of guidelines for the storage and operation of military equipment, rules for registration and maintenance of technical documentation for samples of equipment.

LOMS-11. Know the procedure for operating the main (designated) armoured vehicles (of various types) in service in the reconnaissance units and units of the Armed Forces of Ukraine; requirements of the Combat Vehicle Driving Course for organising driving sessions.

LO-12. Perform duties at the appropriate level during internships (practice) in military units.

LOMS-13. Organise and properly justify the methods of performing reconnaissance tasks by a designated reconnaissance body to ensure the task is performed in various types of combat.

LO 14. Apply skills in choosing an appropriate solution to perform a reconnaissance task with the available forces and means of the intelligence agency.

LO-15. Possess the skills to manage the actions of a designated intelligence agency in accordance with the chosen method and decision to perform a reconnaissance task in various conditions and situations.

LOMS-16. Possess knowledge of the provisions of combat manuals, guidelines and doctrinal documents on forms and methods of conducting reconnaissance, standard operating procedures in accordance with the scope and scale of their application in compliance with the tasks and requirements for reconnaissance.

RNvs-17. To know the peculiarities of the use of reconnaissance units of mechanised and tank units of the Land Forces, reconnaissance units of the Airborne Assault Forces and units of the Marine Corps of the Armed Forces of Ukraine.

RNvs-18. Possess knowledge of the organisation and methods of conducting tactical and special training classes and apply them in the training of personnel of a reconnaissance unit (intelligence agency) to perform reconnaissance tasks (activities) in the forms and methods defined by the guidelines, manuals and doctrinal documents on combat training in the Armed Forces of Ukraine.

LOMS-19. Operate knowledge and skills in organising and planning reconnaissance at the tactical level (up to and including a line battalion), be able to define tasks for intelligence agencies, organise the collection and processing of intelligence.

LO-20. Apply knowledge and skills in decision-making under the troop leadership procedure (TLP), taking into account the experience of NATO partner countries.

LOMS-21. Possess the skills to draw up combat documents

	on decision-making for performing reconnaissance tasks in various types of combat operations, taking into account the experience of NATO partner countries.
	LOMS-22. To perform duties with a subordinate reconnaissance unit (intelligence agency) in a joint team or autonomously, during joint operations as part of joint units of the Armed Forces of Ukraine and NATO member states.

8 - Resource support for programme implementation	
Human resources support	The academic staff involved in the educational programme are full-time employees of the Military Academy, have academic degrees, academic titles and a proven level of scientific and professional activity. Professional competencies are developed by professionals with professional experience and combat experience.
Logistical support	The material and technical base of the Military Academy (Odesa) and the Centre for Supporting the Educational Process of the Military Academy is used to implement the competencies and learning outcomes specified in the program. The material and technical support meets the licensing requirements for the provision of educational services in the field of higher education and is sufficient to ensure the quality of the educational process, in particular: classrooms; computer classes (laboratories); specialised laboratories; gyms, sports grounds; library, reading room; multimedia equipment; premises for academic staff; barracks; canteen, etc.
Information and educational support	Teaching and learning materials are developed in accordance with the current regulatory and legislative documents of the Ministry of Education and Science of Ukraine and orders of the Ministry of Defence of Ukraine The library fund is used in teaching, including teaching materials, educational and methodological developments of teaching staff. The programme is implemented using the virtual learning environment of the Military Academy (Odesa), author's developments, textbooks and manuals, and other teaching and learning materials. The official website of the Academy (http://vaodesa.mil.gov.ua/) provides an opportunity to use all the available resources of the library without any obstacles.

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

2.1. List of components of the EP

Code. n/a.	Components of the educational programme (academic disciplines/modules)	Number of credits	Form of final control
Module 1: Basic tactical course, L-1A			
MP 1	History of wars and military art	0,5	Credit
MP 2	Fundamentals of military leadership	1	Credit
MP 3	General tactics	5	Examination
MP 4	Fundamentals of military management (including Troop Leading Procedures)	2	Credit
MP 5	Manage the day-to-day operations of the divisions	1	Credit
MP 6	Radiation, chemical, biological protection of units (including ecology)	0,5	Credit
MP 7	Military topography	1	Credit
MP 8	Engineering training	1	Credit
MP 9	Organisation of military communications	0,5	Credit
MP 10	Combat system for survival of soldiers (including tactical medicine)	2	Credit
MP 11	Statutes of the Armed Forces of Ukraine and their practical application (including drill training)	0,5	Credit
MP 12	Small arms and firearms training	3	Credit
MP 13	Fundamentals of military law and international humanitarian law	0,5	Credit
MP 14	Intelligence training	0,5	Credit
MP 15	Fundamentals of organising and conducting warfare in the electromagnetic environment and cyberspace	0,5	Credit
MP 16	Basics of using tactical-grade unmanned systems	0,5	Credit
Total per module		20,0	
Module 2: professional course for tactical level officers military reconnaissance L-1B (MR)			
MS 1	Combat use of mechanised units (battalion, separate battalion)	1,0	Credit
MS 3	Combat use of technical reconnaissance means and countering technical reconnaissance means	1,6	Credit
MS 4	Organisation of intelligence and information activities	1,4	Credit
MS 5	Armament of combat vehicles and firearms training	4,0	Credit
MS 6	Structure and maintenance of armoured vehicles	1,0	Credit
MS 7	Driving combat vehicles of reconnaissance units	1,0	Credit
MS 8	Military reconnaissance	9,0	Examination
MS 9	The troop leadership process (TLP)	1,0	Credit
Total per module		20,0	
Total under the loan programme		**40,0**	

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

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

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

	MP 1	MP 2	MP 3	MP 4	MP 5	MP 6	MP 7	MP 8	MP 9	MP 10	MP 11	MP 12	MP 13	MP 14	MP 15	MP 16	MS 1	MS 3	MS 4	MS 5	MS 6	MS 7	MS 8	MS 9
LOMP-1											+													
LOMP-2			+	+										+		+								
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LOMS-21																								+
LOMS-22																								+

3. DISTRIBUTION OF STUDY PROGRAMME COMPONENTS BY COURSES AND SEMESTERS OF STUDY

No. s/n	Academic discipline code	Name of the discipline	Final reporting (breakdown by semester)		Number of ECTS credits	Total number of hours	Audit hours (under the guidance of the SPP, instructors)				Control measure	Independent work	Distribution of classroom hours					
							in total	including					Months					
			examinations	credits				lectures	group, seminars	practical and other			1	2	3	4	5	6
													Number of weeks in a month					
													4	4	4	4	4	4
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		Module 1: Basic tactical course, L-1A																
1	MP 1	History of wars and military art	-	1	0,5	15	10	6	4	-	2	3	-	-			-	-	-
2	MP 2	Fundamentals of military leadership	-	1	1	30	24	-	22	2	2	4				-	-	-	-
3	MP 3	General tactics	1	-	5	150	94	8	34	52	6	50	-			-	-	-
4	MP 4	Fundamentals of military management (including Troop Leading Procedures)	-	1	2	60	56	30	14	12	2	2	-			-	-	-
5	MP 5	Manage the day-to-day operations of the divisions	-	1	1	30	28	14	8	6	2	-				-	-	-
6	MP 6	Radiation, chemical, biological protection of units (including ecology)	-	1	0,5	15	12	4	2	6	2	1				-	-	-
7	MP 7	Military topography	-	1	1	30	18	-	12	6	2	10				-	-	-
8	MP 8	Engineering training	-	1	1	30	18	2	12	4	2	10	-	-		-	-	-
9	MP 9	Organisation of military communications	-	1	0,5	15	10	-	6	4	2	3				-	-	-
10	MP 10	Combat system of warrior survival (including tactical medicine)	-	1	2	60	38	3	17	18	2	20	-	-	-	-	-	-
11	MP 11	Statutes of the Armed Forces of Ukraine and their practical application (including drill training)	-	1	0,5	15	12	6	-	6	2	1	-	-	-	-	-	-
12	MP 12	Small arms and firearms training	-	1	3	90	64	2	26	36	4	22	-	-		-	-	-
13	MP 13	Fundamentals of military law and international humanitarian law	-	1	0,5	15	10	4	4	2	2	3	-	-		-	-	-
14	MP 14	Intelligence training	-	1	0,5	15	8	2	6	-	2	5	-	-		-	-	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
15	MP 15	Fundamentals of organising and conducting warfare in the electromagnetic environment and cyberspace	-	1	0,5	15	12	6	4	2	2	1	-	-	-	-	-	-
16	MP 16	Basics of using tactical-grade unmanned systems		1	0,5	15	10	4	4	2	2	3						
Total per module			1	15	20,0	600	424	91	175	158	38	138				-	-	-
Module 2. Tactical level professional course military reconnaissance L-1B (MR)																		
17	MS 1	Combat use of mechanised units (battalion, separate battalion)	-	1	1,0	30	18	-	10	8	2	10	-	-	-			
18	MS 3	Combat use of technical reconnaissance means and countering technical reconnaissance means	-	1	1,6	48	46	-	28	18	2	-	-	-	-			
19	MS 4	Organisation of intelligence and information activities	-	1	1,4	42	36	16	8	12	4	2	-	-	-			
20	MS 5	Armament of combat vehicles and firearms training	-	1	4,0	120	76	-	26	50	4	40	-	-	-			
21	MS 6	Structure and maintenance of armoured vehicles	-	1	1,0	30	26	-	20	6	4	-	-	-	-			
22	MS 7	Driving combat vehicles of reconnaissance units	-	1	1,0	30	28	-	2	26	2	-	-	-	-			
23	MS 8	Military reconnaissance	1	_	9,0	270	220	4	64	152	6	44	-	-	-			
24	MS 9	The troop leadership process (TLP)	-	1	1,0	30	26	-	8	18	2	2	-	-	-			
Total per module			1	7	20,0	600	476	20	166	290	26	98	-	-	-			
Total number of			**2**	**22**	**40,0**	**1200**	**900**	**111**	**341**	**448**	**64**	**236**						
Number of hours per week																		
Number of exams:																		
Number of credits:																		

4. PROGRAMME OF THE EDUCATIONAL PROGRAMME COMPONENTS

4.1. EP 1.1 "History of wars and military art"

General objective of the discipline

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

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

to know:
the most important wars and military conflicts in historical retrospect;
characteristic features and peculiarities of the development of martial art in the wars of the past;
interdependence of tactics on the development of weapons and military equipment;
Perspective directions of development of the armed struggle of our time;
be able to:
identify the characteristics of armed confrontations of our time;
make informed decisions, predicting possible developments in the course of hostilities;
Conduct retrospective analysis, summarise and draw conclusions when making decisions and setting tasks.

Organisational and methodological guidelines

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

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

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

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

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

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

Information and methodological support:

1. White Book of the Anti-Terrorist Operation in the East of Ukraine (2014-2016) / Edited by I. Rusnak - Kyiv: NUOU, 2017.

2. Warfare in special conditions (historical examples): Study guide / P. Tkachuk, O. Kutska, C. Rogovskyi et al. Lviv: NASV, 2020.

3. Military art in local wars and armed conflicts of the 50s-80s of the twentieth century: a textbook / I. Furman, S. Sydorov, R. Pyliavets et al.

4. Military art in local wars and armed conflicts of the 90s of the twentieth and early twenty-first centuries: a textbook / I. Furman, S. Sydorov, R. Pyliavets et al.

5. Military Historical Description of the Russian-Ukrainian War (monthly publication since March 2022) / MoD, General Staff of the Armed Forces of Ukraine, Central Military Intelligence Department of the Armed Forces of Ukraine.

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

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Under the guidance of the NPP,	Independent work	
1	2	3	4	5	6
		5	**4**	**1**	**Topic№ 1. Introduction to military history. Wars and the development of military art from the Ancient World to the end of World War II.**
1	Lecture	2	2		**Lesson 1. Factors that influenced the evolution of martial arts.** 1. The place of war history and military art in the system of military science knowledge. 2. Development of means of armed struggle from the Ancient World to the end of the Second World War. 3. Wars and the development of military art before the First World War.
2	Group session	2	2		**Lesson 2. The development of military art in the First and Second World Wars.** 1. Causes, main battles and results of the First World War (1914-1918). 2. Causes, main battles and results of the Second World War (1939-1945). 3. Weapons and equipment that influenced the course of hostilities in the two world wars.
3	Independent work	1		1	**Lesson 3. The development of military art in the leading countries of the world in the interwar period and during the Second World War.** 1. Development of military art of the leading countries of the world in the interwar period. 2. The military and political situation in the world on the eve of the Second World War. 3. The development of the military art of Germany and the USSR in the Second World War.
		2	**2**		**Lesson 2. The development of martial arts in wars and armed conflicts of the second half of the twentieth century**
4	Lecture	2	2		**Lesson 1. Wars and armed conflicts of the second half of the twentieth century.** 1. Development of new means of armed struggle and armed forces of the leading countries of the world after the Second World War. 2. The development of military art of the leading countries of the world in local wars of the second half of

					the twentieth century. 3. Causes, main operations and results of the Russian-Chechen wars.
		3	**2**	**1**	**Lesson 3. The art of war and characteristics of wars of the early twenty-first century.**
5	Lecture	2	2		**Lesson 1. The fight against terrorism on the example of the wars of the early twenty-first century.** 1. The development of the military art of the leading countries of the world in local wars of the early twenty-first century. 2. Causes, course and results of wars in the post-Soviet space in the 21st century. 3. Hybrid warfare: origin and development.
6	Independent work	1		1	**Lesson 2. Development of new means of armed struggle.** 1. The role and importance of precision weapons in modern warfare. 2. Features of the use of robotics in modern wars.
		3	**2**	**1**	**Topic 4. Formation and development of the Armed Forces of Ukraine.**
7	Group session	2	2		**Lesson 1. Military History of Ukraine from Kyivan Rus to the Present.** 1. The military art of the princely army of the times of Kyivan Rus and the Ukrainian Cossack army. 2. Ukrainian armed formations during the First and Second World Wars. 3. Causes, course and development of military art during the Russian-Ukrainian war (since 2014).
8	Independent work	1		1	**Lesson2. Examples of heroic actions of the Ukrainian defence forces.** 1. Western partners' military assistance to Ukraine during its confrontation with Russia after the full-scale invasion. 2. Examples of heroic actions of the Ukrainian Defence Forces.
9	**Final control**	2	2	-	**Credit**
	Total for the discipline	**15**	**12**	**3**	

4.2. EP 1.2 "Fundamentals of Military Leadership"

General objective of the discipline

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

Based on the results of studying the discipline, cadets (students) should:

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

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

manage the experience of a military leader.

Organisational and methodological guidelines

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

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

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

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

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

Information and methodological support
Doctrines and orders:

1. Doctrine of Military Leadership in the Armed Forces of Ukraine. OP 1-296: approved by the NGS of the Armed Forces of Ukraine. NGS of the Armed Forces of Ukraine of 22.01.2024.

Books:

2. To lead. To fight. To win. Ethos of the Marine Corps of Ukraine / edited by A. Zelinskyi. Kyiv: Ukraine Crisis Media Center with the support of the US Embassy in Ukraine and the NGO "Spirit of America", 2017 edition, 133 p.
3. Zelinsky A. Anatomy of a Warrior: Spirit, Way, Power. Kyiv: Circle of Life, 2023 edition, 215 p.
4. Zelinsky A. Semenovi zori. Lviv: Staryi Lev Publishing House, 2023. 488 c.
5. Pressfield S. Gates of Fire: The Heroic Epic of the Battle of Thermopylae. Kyiv: Nash format, edition 2023.

6. Willink D., Bebin L. Absolute responsibility. Leadership   sessions from Navy SEALs. Kyiv: Knigolav, 2020 edition, 400 p.

7. Willink D. Discipline is Freedom. Kyiv: #knigolav, 2022 edition, 256 p.

8. Willink D. Leadership Strategy and Tactics / translated from English by L. Pylaeva. Kyiv: Book Chef, 2021. 368 c.

9. Resilience: Hard-won wisdom for a better life. Kharkiv: Ranok Publishing House, 2021 edition, 432 p.

10. McRaven V. G. Make your bed / translated from English by T. Zavoloko. Kyiv: KI-BOOKS Publishing Group, edition 2020, 128 p.

11. McRaven, W. The Hero's Code. sessions from a Life Well Lived. Kyiv: KM-Books, edition 2022, 168 p.

12. McRaven, W. Sea Stories. My life in special operations. Kyiv: KM-BOOKS, 2020 edition, 408 p.

Guidelines

13. Army Leadership and The Profession ADP 6-22, July, 2019.

14. Army Leader Transitions Handbook, 2023.

15. Leader Development. FM 6-22, November, 2022.

16. Mission and Command. Command and Control of Armed Forces. ADP 6-0, July, 2019.

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

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Under the guidance of the NPP, instructors	Independent work	
1	2	3	4	5	6
		10	**6**	**4**	**Theme 1. Conceptual foundations of military leadership**
1	Group session	4	2	2	**Lesson 1. Fundamentals of military leadership in the Armed Forces of Ukraine.** 1. Introduction to the discipline. Subject, objectives of the discipline and the procedure for its study. 2. Officer as a profession. 3. The essence of military leadership and management. 4. Model of requirements for a military leader. **Independent work: Founding documents on military leadership.** 1. Basic requirements of the Doctrine and other founding documents on military leadership.
2	Group session	2	2	-	**Lesson 2. Mission, purpose and tasks of a military leader.** 1. Mission and purpose of a military leader. 2. Tasks of a military leader-officer. 3. Tasks of a military leader-sergeant.
3	Group session	4	2	2	**Lesson 3. Principles of military leadership.** 1. Principles of military leadership in the Armed Forces of Ukraine. 2. Principles of military leadership in the armies of NATO member states. 3. 3. Leadership by John Maxwell, Jocko Willink and others. **Independent work. Levels of military leadership.** 1. Tactical level of military leadership. 2. Operational level of military leadership. 1. Strategic level of military leadership.
		6	**6**	**-**	**Topic 2. Values of a military leader.**
4	Group session	2	2	-	**Lesson 1. Values of a military leader.**

					1. The essence of the value "Honour". 2. The essence of the Sustainability value. 3. The essence of the value "Professionalism". 4 The essence of the Unity value. 5. Values of a military leader in the armies of NATO member states.
5	Group session	2	2	-	**Lesson 2. Ethos of the Warrior.** 1. Key concepts and structure of the Warrior ethos: "Spirit", "Path", "Power". 2. Comparison of the ethos of the Armed Forces of Ukraine: The ethos of the sergeant, Ethos of the Territorial Defence Forces, Ethos of the Marines.
6	Seminar (round table)	2	2	-	**Lesson 3. Code of honour for national military leaders.** 1. Code of Cossack honour. 2. Code of Honour of Officers of the Ukrainian People's Republic. 3. The Code of Honour of the Officers of the Ukrainian Insurgent Army. 4. The Code of Honour of a Modern Officer of the Armed Forces of Ukraine.
		8	**8**	**-**	**Topic 3. Competences of a military leader (Profile of a military leader)**
7	Group session	2	2	-	**Lesson 1. Model of military leadership development.** 1. Value and competence model of a military leader: values, experience, personal and professional competences. 2. Ecosystem of competences of a military leader: personal and professional. 3. Professional (military-specific) competencies of a military leader.
8	Group session	2	2	-	**Lesson 2. Emotional and communication competence of a military leader.** 1. Emotional self-management of the military leader (Self-management) and management of the emotional state of subordinates and empathy of the military leader. 2. Establishing trust and mutual respect in the team. 3. Establishing effective communication with the team, providing feedback and constructive criticism. 4. Crisis communication, conducting complex negotiations.
9	Group session	2	2	-	**Lesson 3. Digital and managerial competence of a military leader.** 1. Basic digital skills of a modern military leader. 2. Self-determination (self-actualisation) and self-motivation of a military leader. 3. Motivation and development of personnel. 4. 4. Counterproductive military leadership.
10	Seminar (round table)	2	2	-	**Lesson 4: Intelligence and thinking of a military leader.** 1. Analytical, systematic, critical thinking of a military leader. 2. Innovative (creative, out-of-the-box, unconventional) thinking of the military leader. 3. Examples of unconventional thinking of modern military leaders (domestic and foreign).

		4	4	-	**Topic 4. Assessment and development of a military leader.**
11	Practical session	2	2	-	**Lesson 1. Assessment of a military leader.** 1. Assessment of leadership qualities at the tactical level. 2. Assessment of leadership qualities at the operational level. 3. Assessment of leadership qualities at the strategic level. 4. Problematic aspects and promising approaches to assessing military leaders (domestic and foreign experience).
12	Group session	2	2	-	**Lesson 2. Development of military leaders.** 1. Formation of an individual trajectory of development of a military leader (career management of a military leader). 2. Managing the experience of a military leader.
13	**Final control**	**2**	**2**		**Credit**
Total for the discipline		**30**	**26**	**4**	

4.3. EP 1.3 "General Tactics"
General objective of the discipline

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

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

to know:
the basics of general combat;
command and control requirements, battle planning procedures based on NATO military command and control procedures;
the procedure for drawing up combat graphic documents;
organisational and staffing structure, tactical and technical characteristics of weapons of mechanised units (squad, platoon);
the role, place and procedure for the use of mechanised units (squad, platoon) in a general combat;
Combat capabilities, tactical and technical characteristics of the weapons of the added units and the procedure for their use in combat;
the procedure for managing regular and attached units (battlegroup, squad, platoon) during combat;
peculiarities of organising the location of a mechanised platoon;
peculiarities of performing tasks in sentry protection by units of a mechanised platoon;
peculiarities of marching by mechanised units, actions of marching guard units;
tactics of mechanised units in defensive combat;
peculiarities of preparing and conducting defensive combat;
tactics of mechanised units in offensive combat;
peculiarities of preparing and conducting offensive combat;
be able to:
plan the actions of units in accordance with NATO military command and control procedures;
Prepare a mechanised unit with reinforcements for combat (tactical actions);

make decisions in a timely manner, set tasks, and achieve their fulfilment;

prepare combat documents for the platoon;

use the unit's firepower;

Manage staff and additional units in the course of performing assigned tasks;

to organise interaction with units of the armed services and special forces in a general battle.

Organisational and methodological guidelines

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

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

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

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

Information and methodological support

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

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

3. EP 7-(01,03-05)215.58(59) Album of diagrams of "Methodological materials for the training of tactical groups" (squad, platoon) - Zhytomyr: Centre for Operational Standards and Methods of Training of the Armed Forces of Ukraine, edition 2023.

4. Methodological materials "Preparation of assault groups (squad, platoon) for assault operations." - Kyiv: Main Doctrine and Training Directorate of the General Staff of the Armed Forces of Ukraine, edition 2023.

5. Weapons of the Russian-Ukrainian war of 2022-2023: Handbook-catalogue of the main types of weapons and military equipment used by the opposing sides during the repulsion of the large-scale invasion of Ukraine by the Russian Federation (24.02.2022 - 30.06.2023) / Ministry of Defence of Ukraine, Office of the Commander-in-Chief of the Armed Forces of Ukraine, General Staff of the Armed Forces of Ukraine, Centre for Military History Research of the Armed Forces of Ukraine. - Kyiv: Lira-K Publishing House, 2023. - 243 p.

6. VP 3-00(102).56 Methodological Recommendations "List and Structure of Combat (Formalised) Documents on the COIN to be Practised in the Units of the Armed Forces of Ukraine at the Tactical Level during the Planning and Conduct of Combat (Actions)" (squad, platoon, company, battalion and their levels) - Kyiv: Main Doctrine and Training Directorate of the General Staff of the Armed Forces of Ukraine, edition 2022.

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

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

| № s/n | Types of training sessions, control measures | Total hours | Among them. | | Topic title and study questions |
			Under the guidance of the NPP, instructors	Independent work	
1	2	3	4	5	6
		21	14	7	**Topic 1: Fundamentals of Combined Arms Combat.**
1	Lecture	3	2	1	**Lesson 1: Composition, purpose of the Armed Forces of Ukraine and main types of weapons and military equipment.** 1. The order of passing the discipline. 2. Composition and purpose of the branches of the Armed Forces of Ukraine. The use of the Armed Forces of Ukraine and branches of the armed forces in joint military operations. 3. Combined arms combat, its components and their characteristics. Principles of combined arms combat. Independent work. Composition, purpose of the Armed Forces of Ukraine and the main types of weapons and military equipment. 1. Combined arms combat, its components and their characteristics. Tactical and technical characteristics of the main weapons of the Armed Forces of Ukraine. 2. Rehearsing tactical manoeuvre schemes by units and fire.
2	Group session	3	2	1	**Lesson 2: The procedure for practicing diagrams and combat graphic documents.** 1. Fundamentals of unit management in combat (tactical actions). The work of a squad (platoon, company) commander in preparing combat (actions) (according to the TLP structure). 2. The procedure for developing schemes and designing a working map. 3. The main tactical symbols and basic abbreviations used in combat graphic documents. Independent work. Procedure for developing schemes and combat graphic documents. 1. The symbols of the units of the Land Forces of the Armed Forces of Ukraine. 2. Symbols of weapons and military equipment of the Land Forces of the Armed Forces of Ukraine.
3	Lecture	3	2	1	**Lesson 3: Organisational structure, weapons and military equipment of units of a mechanised battalion of the Armed Forces of Ukraine.**

1	2	3	4	5	6
					1. Purpose, organisational and staffing structure of units of a mechanised battalion. 2. Forms and methods of using units based on the experience of the Russian-Ukrainian war. Independent work. Organisational structure, weapons and military equipment of units of a mechanised battalion of the Armed Forces of Ukraine. 1. Purpose, capabilities, organisational and staffing structure of logistics, technical and medical support units of a mechanised battalion. 2. Developing a scheme of the organisational and staffing structure of a mechanised battalion.
4	Group session	3	2	1	**Lesson 4. Tactics of actions of units of a mechanized battalion in the main types of combat (tactical actions).** 1. Structure of a defensive battle of a mechanised battalion and main tactical indicators. 2. Construction of an offensive battle of a mechanised battalion and main tactical indicators. 3. Construction of the marching order of the MB on the march and the main tactical indicators. Location of the MB on the ground and the main tactical indicators. Independent work. Tactics of actions of units of a mechanized battalion in the main types of combat (tactical actions). 1. Construction of the marching order of a mechanised battalion on the march and the main tactical indicators. Construction of defensive, offensive battle of a mechanised battalion and main tactical indicators. 2. Location of the MB on site and key tactical indicators.
5	Group session	3	2	1	**Lesson 5. Actions of soldiers and combat (tactical) groups in combat.** 1. Techniques and methods of action of a soldier and combat (tactical) groups in defensive (offensive) combat. 2. Commands, signals given to control the actions of combat (tactical) groups in defensive (offensive) combat. Independent work. Actions of a soldier, combat (tactical) groups in combat. 1. Training in giving commands to control the actions of combat (tactical) groups in a defensive battle. 2. Training in giving commands to control the actions of combat (tactical) groups in offensive combat.
6	Group session	3	2	1	**Lesson 6. Techniques and methods of action of combat (tactical) groups during assault operations.** 1. Composition of the assault group, division into subgroups and their tasks. 2. Tactics and methods of action of the trench entry subgroup. 3. Techniques and methods of action of the fire support subgroup. Independent work. Techniques and methods of action of combat (tactical) groups during assault operations. Preparation for the final control for the semester.

1	2	3	4	5	6
					1. Practice the diagram: Options for building an assault group's combat order. 2. Training in issuing commands to control the actions of the capture subgroups and fire support during assault operations.
7	Group session	3	2	1	**Lesson 7. Combat capabilities of mechanised units.** 1. General provisions. Capabilities of mechanised units to combat enemy armoured vehicles. 2. Capabilities of mechanised units to destroy enemy manpower. Manoeuvring capabilities. Independent work. Combat capabilities of mechanised units. 1. Calculation of the combat capabilities of a mechanised unit by variants of the given sets of forces and means. 2. Study of standards for tactical exercise of mechanised units.
		33	**22**	**11**	**Topic 2. Tactics of actions of a mechanised unit in the main types of combat (tactical actions).**
8	Group session	3	2	1	**Lesson 1: Movement of the mechanised unit.** 1. General provisions for the movement of units. 2. Peculiarities of movement of units on foot. Actions of personnel in combat tactical groups. 3. Organisation of marching guard on the march: marching guard bodies, composition and tasks. 4. Actions of units on the march. Independent work. Movement of a mechanised unit. 1. General provisions for the movement of units. Organisation of marching guard on the march. To work out the scheme "Actions of a foot patrol during reconnaissance (inspection) of local objects (objects) on the route of movement". 2. To practice the following scheme: "Techniques of movement of units on foot".
9	Group session	3	2	1	**Lesson 2. Location of the mechanised department on site.** 1 . General provisions for the location of subdivisions, peculiarities of the location of the mechanised department. 2. Organisation of direct protection. Actions of personnel as part of combat tactical groups, in direct protection bodies (patrols, secret). 3. Watch guard, actions of the department in the watch guard. Independent work. Location of the mechanised department on site. 1. General provisions of the location of units .Watch guard, actions of the unit in the watch guard. Duties of the observer. 2. Work out the following scheme: "Actions of a mechanised unit as a sentry post".
10	Group session	3	2	1	**Lesson 3: Defence of a mechanised unit.** 1. General principles of defensive combat. Place and role of the mechanised unit in defensive combat. 2. Building a defensive battle of a mechanised unit. 3. Preparation of a defensive battle.

1	2	3	4	5	6
					4. Conducting defensive combat. Actions of the unit with division into combat groups. Independent work. Defence of a mechanised unit. 1. General provisions of defensive combat. To work out the scheme: "Construction of a defensive battle of a mechanised unit". 2. Contents of the squad fire card.
11	Group session	3	2	1	**Lesson 4. Peculiarities of using a mechanised branch in an urban area.** 1. Procedure for movement within combat tactical groups in a settlement. 2. Features of movement inside the building. 3. Features of building defence as part of combat tactical groups. Independent work. Peculiarities of using a mechanised department in an urban area**.** 1. To practice schemes of variants of combat orders of a mechanised squad as part of combat (tactical) groups during operations in urban areas. 2. Defence of the house
12	Group session	3	2	1	**Lesson 5. Offensive of the mechanised division. Final control (test) for the semester.** 1. General principles of offensive combat. Place and role of the mechanised squad in the offensive battle. Construction of an offensive battle of a mechanised squad. 2. Preparation of an offensive battle. 3. Conducting offensive combat. Actions of the unit with division into combat groups. Independent work. Advance of a mechanised unit**.** 1. Combat formations of a mechanised division in the offensive. 2. To work out the schemes of variants of the construction of the combat order of a mechanised squad in the offensive with the division into combat groups.
					FIELD TRAINING
13	Tactical and drill excercise	3	2	1	Independent work. Preparation for the TEF "Actions of a mechanised unit while moving on foot". 1. Training in giving commands to change marching orders. 2. Training in hand signalling while moving on foot. 3. Study of the conditions for meeting tactical exercise standards within the unit. **Lesson 6. Actions of a mechanised unit when moving on foot.** 1. Techniques of movement on foot, when approaching the enemy. 2. Actions of the sentry unit.
14	Tactical and drill excercise	3	2	1	Independent work. Preparation for the TSE "Actions of a mechanised unit during location on site". 1. Training in setting tasks (observer, patrol, secret).2. Learning the procedure for repelling an attack by a sabotage and reconnaissance unit**.**

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					3. Study of the conditions for meeting tactical exercise standards within the unit. **Lesson 7. Actions of a mechanised unit while in place.** 1. Engineering equipment, camouflage of elements of the location area. 2. Actions of the security authorities.
15	Tactical and drill excercise	3	2	1	Independent work. Preparation for the TEF "Management of actions of a mechanised unit in a defensive battle". 1. Training in issuing commands to control the actions of the squad and fire in defensive combat. 2. Study of the conditions for meeting tactical exercise standards. Preparation of training sites. **Lesson 8. Controlling the actions of a mechanised unit in a defensive battle.** 1. Preparation of a defensive battle. Fulfilment of tactical (engineering) training standards. 2. Management of the unit's actions in combat. Fulfilment of tactical exercise standards.
16	Tactical and drill excercise	3	2	1	Independent work. Preparation for the TSE "Management of actions of a mechanised unit in an offensive battle". 1. Training in issuing commands to control the actions of the unit and fire in offensive combat. 2. Study of the conditions for meeting tactical exercise standards. Preparation of training sites. 3. To work out the schemes of variants of building the combat order of a mechanised squadron in the offensive with the division into combat groups. **Lesson 9. Controlling the actions of a mechanised unit in an offensive battle.** 1. Preparation of an offensive battle. Fulfilment of tactical exercise standards. 2. Management of the unit's actions in combat. Fulfilment of tactical exercise standards.
17	Tactical and drill excercise	3	2	1	Independent work. Preparation for the TOC "Management of actions of a mechanised unit in an urban area". 1. Learning the rules of tactical actions. Watching training films. 2. Preparation of training places. **Lesson 10. Managing the actions of a mechanised unit in an urban area.** 1. Procedure for movement within combat tactical groups in a settlement. 2. Actions of combat tactical groups inside the building.
18	Tactical and drill excercise	3	2	1	Independent work. Preparation for the TSE "Management of actions of a mechanised unit during night operations". 1. Training in giving signals (sound, light) to control the actions of the squad and fire in offensive combat. 2. Study of the characteristics and operation of night vision devices, thermal imagers and other technical means of reconnaissance and surveillance. Preparation of training places. **Lesson 11. Managing the actions of a mechanised unit when performing tasks at night.**

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					1. Transition to night actions. 2. Tactical actions of the unit by type of combat. 3. Performing tactical actions (tasks) of reconnaissance (surveillance, eavesdropping) and security with the use of technical means of reconnaissance and surveillance.
		9	6	3	**Topic 3: Tactics of a mechanised platoon in the main types of tactical operations.**
19	Group session	3	2	1	**Lesson 1: March of a mechanised platoon and actions in marching guard.** 1. General provisions. The experience of the Russian-Ukrainian war. 2. Preparing the platoon for the march. 3. Peculiarities of preparing a platoon for actions in marching guard. 4. Management of platoon actions in marching guard. Independent work. March of a mechanised platoon and actions in marching guard. 1. Actions of platoon units when ambushed. 2. Develop the following schemes: "Areas and boundaries assigned to the platoon during the march"; "Construction of the platoon's marching order when moving as part of the main force".
20	Group session	3	2	1	**Lesson 2. Positioning of a mechanised platoon on the ground and actions in sentry duty.** 1. General provisions. The experience of the Russian-Ukrainian war. 2. Prepare the platoon for deployment. 3. Peculiarities of preparing a platoon for actions in sentry duty. 4. Management of platoon actions in guard posts and other security bodies. Independent work. Positioning of a mechanised platoon on the ground and actions in sentry duty. 1. Peculiarities of the location of units in base camps. 2. Rehearse the following diagrams: "Location of a mechanised platoon in place within a company", "Actions of a mechanised platoon in a sentry outpost".
21	Group session	3	2	1	**Lesson 3. Participation in stabilisation operations and other tasks.** 1. Peculiarities of participation of troops in stabilisation operations. 2. Peculiarities of participation in the performance of other tasks specified by the legislation of Ukraine. Independent work. Participation in stabilisation operations and other tasks. 1. Peculiarities of preparing a platoon for participation in stabilisation operations. 2. Develop the following schemes: "Participation of a mechanised platoon in the search for enemy RRF and IAF", "Participation of a mechanised platoon in the protection and defence of important objects and communications".
		42	28	14	**Topic 4. Tactics of a mechanised platoon in a defensive battle.**
22	Lecture	3	2	1	**Lesson 1: Mechanised platoon in defensive combat.** 1. Place, tasks of a mechanised platoon in a defensive battle. 2. Building the defence of a mechanised platoon.

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					3. Defensive combat. Independent work. A mechanised platoon in defensive combat. 1. Place and tasks of a mechanised platoon in a defensive battle. Study the experience of using mechanised units in defensive combat during the Russian-Ukrainian war. 2. Practice the diagram: "Diagram of a mechanised platoon's stronghold".
23	Group session	4	2	2	**Lesson 2: Preparing for a defensive battle.** 1. Organisation of the battle. 2. Preparing units for combat. 3. Take up the defence and prepare the platoon's stronghold. 4. Practical work of a platoon leader in subordinate units. Independent work. Preparation of a defensive battle. 1: Peculiarities of the work of a mechanised platoon commander depending on the conditions of transition to defence. 2. Combat documents developed by the platoon in preparation for defensive combat. 3) Preparation of abstracts and reports for the seminar. Independent work. Preparation for the seminar. Preparation and conduct of defensive combat in special conditions. 1. Definition (purpose) of a defensive battle. The place of a mechanised platoon in a defensive battle. Sequential execution of defensive combat tasks. 2. Preparation and conduct of defensive combat of mechanised units based on the experience of the Russian-Ukrainian war. 3. Preparation and conduct of defensive combat of mechanised units in special conditions.
24	Seminar session	2	2		**Lesson 3: Preparation and conduct of defensive combat in special conditions.** 1. Definition (purpose) of a defensive battle. The place of a mechanised platoon in a defensive battle. Sequential execution of defensive combat tasks. 2. Preparation and conduct of defensive combat of mechanised units based on the experience of the Russian-Ukrainian war. 3. Preparation and conduct of defensive combat of mechanised units in special conditions.
					A set of group exercises on the topic: "Transition of a mechanised platoon to defence in the absence of a collision with the enemy. Defensive combat".
25	Group exercise	3	2	1	Independent work. Preparation for a group exercise. "Preparing a mechanised platoon for defence in the absence of a collision with the enemy". 1. Study of the tactical task. Preparation of a working map, drawing the initial situation. 2. The content of the platoon leader's work during task awareness, time estimation, and situational awareness.

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					3. Contents of the paragraphs of the preliminary combat order. **Lesson 4. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 1, 2.** 1. Understand the task at hand. 2. Calculating the time. Assessment of the situation. 3. Development of the first preliminary combat order. 4. Communicating the first preliminary combat order to subordinates.
26	Group exercise	3	2	1	Independent work. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 1, 2. 1. Record the results of the task awareness on the platoon leader's work card. Finalising the time calculation 2. Training in communicating the first preliminary combat order. **Lesson 5. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 3: "Development of a preliminary plan".** 1. Analysis of the task. 2. Developing options for action.
27	Group exercise	3	2	1	Independent work. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 3: "Development of a preliminary plan". 1. Analysing the options for action. Comparison and selection of the final course of action 2. Development of the battle plan. Preparation of a working map for the report of the plan. **Lesson 6. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 3: "Development of a preliminary plan".** 1. Report on the battle plan. 2. Practice the second preliminary combat order.
28	Group exercise	3	2	1	**Independent work. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 6: "Completion of battle planning".** 1. Formulation of combat missions. 2. Details of management and interaction issues. 3. Detailing the issues of comprehensive support for actions. **Lesson 7. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Stage 7: "Issuing a combat order".** 1. Issuing a combat order. 2. Setting combat tasks for subordinates.
					FIELD TRAINING
29	Tactical exercise	6	4	2	Independent work. Preparation for the task "Preparation of a mechanized platoon for defence in the

1	2	3	4	5	6
					absence of a collision with the enemy". Stage 5, 7. 1. Completion of a combat order. Training in setting combat tasks for subordinates. 2. Content of the reconnaissance. 3. Preparation of a working map, devices for mapping the situation for work in the field. Preparation of equipment. **Lesson 8. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Phase 5, 7.** 1. Conducting a reconnaissance. 2. Issuance of a combat order.
30	Tactical exercise	3	2	1	Independent work. Preparation for the task "Preparation of a mechanised platoon for defence in the absence of a collision with the enemy". Stage 4, 8. 1. Training in setting combat tasks for subordinates on the ground (on a terrain model). 2. Content of the organisation of management, interaction and comprehensive support on the terrain layout. 3. Development of call sign forms for officials, tables of control and interaction signals. **Lesson 9. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Phase 4, 8.** 1. Prepare the terrain layout. 2. Organisation of management, interaction and comprehensive support on the terrain layout.
31	Tactical and drill excercise	6	4	2	Independent work. Preparation for the TPE "Preparation of a mechanised platoon for defence in the absence of a collision with the enemy". Stage 4, 8. 1. Study of the conditions for the implementation of tactical exercise standards in a platoon (squad) in defensive combat. 2. Preparation of training sites and training leaders at training sites. **Lesson 10. Preparation of a mechanised platoon for defence in the absence of a collision with the enemy. Phase 4, 8.** 1. Unit preparation and movement. Checking readiness. Fulfilment of tactical exercise standards as part of a platoon (squad).
32	Tactical exercise	3	2	1	Independent work. Preparation for the task "Management of actions of a mechanized platoon in the course of defensive combat". 1. Refine the working map. 2. Prepare a table of call signs, a table of control and interaction signals. **Lesson 11. Controlling the actions of a mechanised platoon in defensive combat.** 1. Platoon management in defensive combat: destruction of enemy intelligence;

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					inflicting damage on the advancing enemy; fighting an attacking enemy; Destruction of the enemy trying to bypass or break into the platoon stronghold. 2. Fighting in the trenches, participating in a counterattack.
33	Tactical exercise	3	2	1	Independent work. Preparation for the task "Controlling the actions of a mechanised platoon during a defensive battle at night". 1. Light support for defensive combat at night. Developing guidelines for preparing a platoon for night operations. Refinement of the working map on light support. 2. Revision of the table of control signals and interaction on lighting issues **Lesson 12. Controlling the actions of a mechanised platoon during a defensive battle at night.** **Final control (testing) for the semester** 1. Transition to night operations. Preparing units for defensive combat at night. 2. Platoon management during a defensive battle at night: - destruction of enemy reconnaissance; - defeat of the advancing enemy; - fighting with the attacking enemy; - destruction of the enemy trying to bypass or break into the platoon stronghold.
		38	24	14	**Topic 5. Tactics of a mechanised platoon in an offensive battle.**
34	Lecture	3	2	1	**Lesson 1: Mechanised platoon attack.** 1. Place and role of a mechanised platoon in an offensive battle. 2. Tasks of a mechanised platoon in an offensive battle, their content. 3. Combat order, system of fire of a mechanised platoon in offensive combat. 4. Conducting offensive combat. Independent work. Advance of a mechanised platoon. 1. Place and role of the mechanised platoon in an offensive battle. Tasks of a mechanised platoon in an offensive battle. 2. Study the experience of using mechanised units in offensive combat during the Russian-Ukrainian war. 3) Rehearse the scheme: "Actions of a mechanised platoon in an offensive battle".
35	Group session	4	2	2	**Lesson 2: Preparing and conducting offensive combat.** 1. Features of the platoon commander's work in planning an offensive battle. 2. Peculiarities of managing platoon actions in offensive combat. Independent work. Preparing and conducting offensive combat. 1. Develop the following scheme: "Areas and boundaries to be assigned in an offensive with a deep advance". 2. Rehearse the following scheme: "The order of regrouping, replacement for taking the initial position in the offensive from the position of direct contact with the enemy".

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

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					1. Analysis of the task. 2. Developing options for action.
39	Group exercise	3	2	1	Independent work. Preparation of a mechanised platoon for an offensive with a move from depth. Stage 3: Development of a preliminary plan. 1. Analysing the options for action. Comparison and selection of the final course of action 2. Development of the battle plan. Preparation of a working map for the report of the plan. **Lesson 6. Preparing a mechanised platoon for an advance from depth. Stage 3: "Developing a preliminary plan"** 1. Report on the battle plan. 2. Practice the second preliminary combat order.
40	Group exercise	3	2	1	Independent work. Preparation of a mechanised platoon for an advance from depth. Stage 6: "Completion of battle planning" 1. Formulation of combat missions. 2. Details of management and interaction issues. 3. Detailing the issues of comprehensive support for actions. **Lesson 7. Preparation of a mechanised platoon for an advance from depth. Stage 7: "Issuing a combat order".** 1. Issuing a combat order. 2. Setting combat tasks for subordinates.
					FIELD TRAINING
41	Tactical exercise	4	2	2	Independent work. Preparation for the task "Preparation of a mechanized platoon for an offensive with a move from depth". Stage 5, 7. 1. Completion of a combat order. Training in setting combat tasks for subordinates. 2. Content of the reconnaissance. 3. Preparation of a working map, devices for mapping the situation for work in the field. Preparation of equipment. **Lesson 8. Preparation of a mechanised platoon for an advance from depth. Phase 5, 7.** 1. Conducting a reconnaissance. 2. Issuance of a combat order.
42	Tactical exercise	3	2	1	Independent work. Preparation for the task "Preparation of a mechanised platoon for an offensive with a deep advance". Stage 4, 8. 1. Training in setting combat tasks for subordinates on the ground (on a terrain model). 2. Content of the organisation of management, interaction and comprehensive support on the terrain layout.

1	2	3	4	5	6
					3. Development of call sign forms for officials, tables of control and interaction signals. **Lesson 9. Preparation of a mechanised platoon for an advance from depth. Phase 4, 8.** 1. Prepare the terrain layout. 2. Organisation of management, interaction and comprehensive support on the terrain layout.
43	Tactical and drill excercise	5	2	3	Independent work. Preparation for the TPE "Preparation of a Mechanised Platoon for an Advance from Depth". Stage 4, 8. 1. Study of the conditions for the implementation of tactical exercise standards in a platoon (squad) in an offensive battle. 2. Preparation of training sites and training leaders at training sites. **Lesson 10. Preparation of a mechanised platoon for an advance from depth. Stage 4.8.** 1. Unit preparation and movement. Checking readiness. Fulfilment of tactical exercise standards as part of a platoon (squad). Independent work. Preparation for the task "Controlling the actions of a mechanised platoon during an offensive battle". 1. Refine the working map. 2. Prepare a table of call signs, a table of control and interaction signals.
44	Tactical exercise	2	2		**Lesson 11. Controlling the actions of a mechanised platoon in an offensive battle.** 1. Platoon management during offensive combat: platoon management during the advance from the depths; platoon management during the attack on the front line of enemy defence and the capture of the object of attack. Fighting in trenches; platoon management during combat in the depths of enemy defence. 2. Managing a platoon in pursuit of the enemy. Securing a favourable position.
45	Tactical exercise	3	2	1	Independent work. Preparation for the task "Controlling the actions of a mechanised platoon during an offensive battle at night". 1. Light support for offensive combat at night. Developing guidelines for preparing a platoon for night operations. Finalising the working map on lighting support. 2. Revision of the table of control signals and interaction on lighting issues **Lesson 12. Controlling the actions of a mechanised platoon during an offensive battle at night.** 1. Transition to night operations. Preparing units for offensive combat at night. 2. Platoon management during offensive combat at night: platoon management during the advance from the depths; platoon management during the attack on the front line of enemy defence and the capture of the object of attack. Fighting in trenches; platoon management during combat in the depths of enemy defence.

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46		1		1	Independent work. Completion of preparation for the final control - EXAM. 1. General provisions (fundamentals) of offensive combat, defensive combat, movement of units, positioning in place, participation in stabilisation actions of troops, comprehensive support of combat (actions). 2. The sequence and content of the work of the mechanised platoon (squad) commander in preparing for combat in accordance with the 8 stages of TLP (Troop Leading Procedures). Management in the course of combat (actions) 3. Organisational and staffing structure, technical specifications of weapons and military equipment of the units of the Land Forces of the Armed Forces of Ukraine (*MB, MR, Mv, MvD, RVP, Gv, Kulv, Ptv, Zrv, Tv*). 4. Preparation of combat documents, basic tactical signs, and abbreviations.
47	**Final control**	6	6		**Examination**
Total for the discipline		**150**	**100**	**50**	

4.4. EP 1.4 "Fundamentals of Military Management (including the Troop Leading Procedures) TROOP LEADING PROCEDURES)"

General objective of the discipline

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

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

to know:

basics and principles of the theory of command and control;

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

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

the content and procedure of comprehensive support measures;

methodology and procedure for developing textual and graphic combat documents;

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

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

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

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

be able to:

to carry out measures to organise combat;

organise comprehensive support measures;

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

develop text and graphic combat documents;

choose the means of implementing the decision-making process;

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

assess the combat capabilities of a mechanised platoon;

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

Organisational and methodological guidelines

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

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

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

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

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

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

Information and methodological support

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

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

№ s/n	Types of training classes, control events	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
			Among them.		
1	2	3	4	5	6
		16	16		**Topic 1. Fundamentals of command and control and the process of preparing for combat.**
1	Lecture	2	2		**Lesson 1**. **Fundamentals of the theory of troop management.** 1. Subject and content of the discipline. 2. Definition, purpose, tasks and functions of force management. 3. Troop management system and its elements.
2	Lecture	2	2		**Lesson 2**. **Laws and Principles of Military Management.** 1. The laws of command and control of troops and their essence. 2. Principles of troop management and their content. 3. Requirements for troop management.
3	Seminar	2	2		**Lesson 3**. **The essence and content of troop management.** 1. The content of laws on the management of troops. 2. Content and essence of the principles of command and control. 3. Tasks and functions of troop management.
4	Lecture	2	2		**Lesson 4**. **The content of the commander's management activity.** 1. Measures to organise combat operations (combat use). 2. The content of combat mission awareness and time calculation. 3. Content and procedure for issuing preliminary orders. 4. The essence of the situation assessment.
5	Group session	2	2		**Lesson 5**. **Procedure for the implementation of measures to organise combat operations (combat use).** 1. Content and procedure for assessing the enemy. 2. The content and procedure for evaluating your unit (troops). 3. The content of the neighbourhood assessment.

6	Lecture	2	2		**Lesson 6. Decision-making is the basis of force management.** 1. The decision of the commander (chief), its essence and content. Requirements for the commander's decision. 2. The essence and content of combat planning (combat employment). 3. Reconnaissance by the unit commander.
7	Group session	1	1		**Lesson 7. The content of the commander's decision-making work.** 1. Features of decision-making in combat conditions. Factors influencing decision-making. 2. Methods that facilitate independent combat decision-making.
8	Lecture	2	2		**Lesson 8. The procedure for setting tasks for subordinates. Organisation of interaction and preparation of units for the implementation of tasks.** 1. The procedure for assigning combat tasks to subordinates. Combat order, combat order, their structure and content. 2. The essence, content, forms, types and procedure for organising interaction. 3. Preparing units for the execution of tasks.
9	Group session	1	1		**Lesson 9. The procedure for setting combat tasks and preparing units for their execution.** 1. The procedure for drawing up a combat order, its structure and content. 2. Procedure for organising interaction and combat support. 3. Procedure for organising management and communication.
		18	**16**	**2**	**Topic 2. Combat text and graphic documents.**
10	Lecture	2	2		**Lesson 1. The procedure for developing textual combat documents.** 1. Combat documents, their classification and requirements. 2. Requirements for the design of textual combat documents.
11	Practical session	2	2		**Lesson 2. The work of a platoon commander in issuing a combat order.** 1. Collecting and forming the initial data for the preparation of a combat order. 2. Practical execution of a combat order.
12	Lecture	2	2		**Lesson 3. The procedure for developing graphic combat documents.** 1. Features of the design of graphic combat documents. 2. Methods of drawing up graphic planning documents.
13	Practical session	5	4	1	**Lesson 4. Preparation and execution of graphic combat documents for work.** 1. Glue and fold the map. 2. Add the details to the card. Independent work. 1. Raising the topographic base of the map. 2. Prepare and design the cover page.
14	Lecture	3	2	1	**Lesson 5. Military symbols.**

					1. Procedure for the construction of military symbols. 2. Detailed requirements for the application of military symbols, technical specifications for symbols. Independent work. 1. Military symbols for weapons and military equipment. 2. Military symbols for command and control of troops. 3. Military symbols of military formations of branches of the armed forces and services.
15	Practical session	4	4		**Lesson 6. The use of military symbols for combat documents.** 1. Application of military symbols on graphic combat documents. 2. Marking of troop control measures.
		8	**8**		**Topic 3. Management activities of a mechanised platoon commander.**
16	Lecture	2	2		**Lesson 1. Combat capabilities of a mechanised platoon.** 1. The concept of combat capabilities and their components. 2. The concept of firepower. 3. The concept of impact force. 4. The concept of manoeuvrability.
17	Practical session	2	2		**Lesson 2. Assessment of the combat capabilities of a mechanised platoon.** 1. Preparation of initial data for calculating the combat capabilities of a mechanised platoon. 2. Calculate the firepower of a mechanised unit.
18	Lecture	2	2		**Lesson 3. Types of comprehensive support and their content.** 1. The concept of comprehensive coverage and its components. 2. General characteristics of medical care. 3. General characteristics of logistics support. 4. Classification of equipment according to NATO standards.
19	Group session	2	2		**Lesson 4. Organisation of support for combat operations.** 1. Organisation of intelligence. 2. Organisation of CBRN protection. 3. Organisation of engineering support. 4. Organisation of tactical camouflage. 5. Organisation of security.
		16	**16**		**Topic 4. The work of a mechanised platoon commander in preparing for combat according to NATO standards.**
20	Lecture	2	2		**Lesson 1. The content of the management activities of a mechanised platoon commander according to TLP procedures.** 1. Stages of the battle preparation process. 2. Components of the stages of the battle preparation process.

21	Group session	2	2		**Lesson 2. Receiving a combat task and communicating a preliminary combat order according to TLP procedures.** 1. Receiving a combat mission (the first stage of the combat preparation process). 2. Communicating the preliminary combat order (the second stage of the combat preparation process).
22	Lecture	4	4		**Lesson 3. The procedure for developing a preliminary battle plan according to the TLP procedure.** 1. Content and procedure of work at the task analysis stage. 2. Content and procedure of work at the stage of developing action options.
23	Group session	2	2		**Lesson 4. Developing a preliminary plan and preparing the unit for relocation according to TLP procedures.** 1. The content and procedure of the process of comparing and selecting the final option. 2. The content and procedure of work in the course of preparing the unit for relocation.
24	Lecture	2	2		**Lesson 5. The procedure for conducting reconnaissance and completing battle planning according to TLP procedures.** 1. Content and procedure of work during reconnaissance. 2. Content and procedure for completing battle planning.
25	Lecture	2	2		**Lesson 6. The procedure for setting combat tasks and checking readiness to perform them according to TLP procedures.** 1. The procedure for drawing up a combat order, its structure and content. 2. Measures to verify readiness.
26	Group session	2	2		**Lesson 7. Commander's work during combat (operations) according to NATO standards.** 1. Management of a unit during combat (operations). 2. Fire control of the unit. 3. Analysis of the battle.
27	**Final control**	2	2		**Credit**
Total for the discipline		**60**	**58**	**2**	

4.5. EP 1.5 "Management of day-to-day operations of the units"

General objective of the discipline

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

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

to know:
the content of measures to maintain the unit in combat readiness;
the procedure for organising daily activities in the platoon (company);
the procedure for organising personnel records in the unit;
the procedure for keeping records of material assets in the unit;
the procedure for accepting and resigning the position of unit commander;
basic forms and methods of combat training in the company;
Methods of conducting classes according to training standards;
requirements for the safety of military activities during combat training, the use of weapons and military equipment, the performance of economic activities, and compliance with fire and environmental safety;

be able to:
develop and maintain personal documents on combat readiness;
organise and conduct combat training in the unit, and keep records of it;
conduct combat training classes in accordance with training standards;
Develop planning and reporting documents for combat training;
organise and support the day-to-day activities of the unit;
organise and manage company housekeeping;
work with restricted documents in a variety of environments;
Organise and keep records of material assets in the unit;
document the acceptance and surrender of the position of unit commander;

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

Organisational and methodological guidelines

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

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

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

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

Information and methodological support

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

Topics and allocation of class time by type of class

№ s/n	Types of training classes, control events	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
			Among them.		
1	2	3	4	5	6
		2	**2**		**Topic 1. Organisation of security of military service in everyday life**
1	Lecture	2	2		**Lesson 1. Theoretical foundations of military security** 1. Legal basis for the security of military activities. 2. Safety in the operation and maintenance of weapons and military equipment. 3. Investigation of an accident in a military unit.
		2	**2**		**Topic 2. Health and safety and the basics of sessional health and safety**
2	Lecture	2	2		**Lesson 1. Classification of hazards by source** 1. Natural, social, and man-made hazards and their impact factors. 2. Organisation of labour protection in a military unit. 3. Labour protection instructions and their purpose.
		2	**2**		**Theme 3. Fundamentals of military administrative activity**
3	Lecture	2	2		**Lesson 1. Legislation of Ukraine on protection of state secrets** 1. Information with restricted access. State secrets. 2. General provisions on the organisation of classified work in a military unit (subdivision). 3. General Provisions on the Organisation of Official Records Management...
		2	**2**		**Topic 4. Service activities of the unit commander**
4	Lecture	2	2		**Lesson 1. Activities of the unit commander in the field of human resources management** 1. Organisation of personnel records in the unit... 2. Procedure for appointment and dismissal of personnel from the positions of non-commissioned officers of the unit. 3. The procedure for certification of subordinate personnel by the unit commander.

		4	**4**		**Topic 5. Organisation of service of troops in the unit**
5	Lecture	2	2		**Lesson 1. Fundamentals of organising the service of troops in a unit** 1. Content, essence and tasks of military service. 2. Organisation of the daily watch service in the unit. 3. Organisation of the guard service in the unit
6	Group session	2	2		**Lesson 2. Organisation of accounting and storage of weapons and ammunition** 1. Requirements of the guiding documents on the accounting and storage of weapons and ammunition in the unit (guard). 2. Responsibilities of officials to ensure the accounting and storage of weapons and ammunition in the unit.
		8	**8**		**Topic 6. Basics of organising combat training in a unit**
7	Lecture	2	2		**Lesson 1. Fundamentals of combat training organisation** 1. Purpose, tasks and content of training of the Armed Forces of Ukraine. 2. General provisions for the organisation of combat training. 3. Requirements of regulatory documents on combat training planning.
8	Group session	2	2		**Lesson 2. Organisation of individual and collective training** 1. Organisation of individual training. The system of individual training. 2. Forms of collective training. 3. Platoon combat training logbook...
9	Practical session	2	2		**Lesson 3. Planning combat training in a unit** 1. Develop and draw up a training schedule for the unit (separate platoon). 2. Drawing up a session plan (outline, operational map).
10	Seminar	2	2		**Lesson 4. High-quality organisation of combat training and service of troops in a unit is the basis for maintaining combat readiness** 1. Discuss the activities of the unit commander in organising the service of troops in the unit. 2. Discuss the activities of the unit commander in organising combat training in the unit.
		2	**2**		**Topic 7. Fundamentals of combat and mobilisation readiness**
11	Group session	2	2		**Lesson 1. Military mobilisation and combat readiness of units** 1. Fundamentals of military mobilisation. 2. Combat readiness of units. 3. Manning units with mobilisation resources.
		6	**6**		**Topic 8. Organisation and management of military economy**
12	Lecture	2	2		**Lesson 1. Organisation and management of company economy** 1. Fundamentals of company management.

					2. The work of the commander of a unit for military economy.
13	Practical session	2	2		**Lesson 2. Receiving and handing over cases and positions by the unit commander** 1. General regulations on the reception and delivery of cases and the position of platoon leader. 2. Preparation of documents for acceptance of cases and the position of platoon commander.
14	Practical session	2	2		**Lesson 3. Accounting for material assets in a subdivision** 1. Preparation of accounting documents for the receipt and delivery of material assets of the unit. 2. Prepare documents for writing off material assets.
15	**Final control**	2	2		**Credit**
Total for the discipline		**30**	**30**		

4.6. EP 1.6 "Radiation, chemical, biological protection of units (including ecology)"
General objective of the discipline

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

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

to know:

basic information about weapons of mass destruction;

methods and ways of determining CBRN contamination;

maximum permissible levels of ionising radiation, radiation safety standards;

classification, pathogenic properties of biological agents, and methods of their combat use;

the procedure for using protective equipment for its intended purpose, peculiarities of preparation and use of individual and collective protective equipment during the performance of tasks, depending on the combat situation;

service equipment of the CBRN defence forces;

be able to:

organise measures to protect against weapons of mass destruction;

use CBRN contamination detection equipment and personal protective equipment against weapons of mass destruction;

determine the maximum permissible levels of ionising radiation in accordance with radiation safety standards;

operate in conditions of biological contamination;

use the service equipment of the CBRN troops.

Organisational and methodological guidelines

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

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

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

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

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

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

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

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

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

The following control methods are used in teaching the discipline:

entrance control;

current control;

self-control;

final control.

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

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

Information and methodological support

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

2. Military standard 01.107.004-2022 (01) "Environmental safety management system of troops (forces) during military activities". Enacted by the Order of the Head of the Department of Standardisation, Codification and Cataloguing No. 30 15.07.2022.

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

№ s/n	Types of training sessions, control measures	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
			Among them.		
1	2	3	4	5	6
		4	**4**	-	**Topic 1: Nuclear, chemical, biological and incendiary weapons. Weapons based on new physical principles.**
1	Lecture	2	2		**Lesson 1. General characteristics of weapons of mass destruction and high-risk facilities.** 1: The role and place of discipline in the training of military personnel, the procedure for passing discipline and reporting. 2.. General characteristics of nuclear weapons. Damaging factors of a nuclear explosion and protection against them. 3. General characteristics of chemical weapons. Protection of units from the effects of chemical weapons 4. General characteristics of biological weapons. Protection of units from the effects of biological weapons.
2	Group session	2	2		**Lesson 2. Incendiary weapons.** 1. General characteristics of incendiary weapons and current views on their use. 2. The damaging factors of incendiary weapons. 3. Classification of incendiary substances and mixtures. 4. Protection of personnel, weapons, military equipment and fortifications from the effects of incendiary weapons.
		9	**8**	**1**	**Topic 2. Basics of radiation, chemical and biological protection of units**
3	Lecture	3	2	1	**Lesson 1. Purpose, tasks and measures of radiation, chemical and biological protection of units.** 1. Content of tasks and measures of radiation, chemical, biological protection of units, forces and means for their implementation. 2. The work of commanders and staffs in organising radiation, chemical and biological protection. 3. Organisation and conduct of radiation, chemical and biological reconnaissance in the unit.

				4. Conventional symbols used for graphical representation of the CBR situation and actions of CBR protection units. Independent work. The purpose, tasks and measures of radiation, chemical and biological protection of units. 1. Procedure for organising radiation, chemical and biological protection of units. 2. Procedure for radiation, chemical and biological protection of units. 3. Conventional symbols used for graphical representation of the CBR situation and actions of CBR protection units.
4	Practical session	2	2		**Lesson 2: Use of portable technical** reconnaissance **equipment.** 1. Work with chemical reconnaissance and control devices. 2. Work with radiation detection and monitoring devices. Independent work. Use of portable technical means of reconnaissance**.** 1. Sequence of actions in preparation for work and checking the operability of radiation detection devices. 2. Sequence of actions in preparation for work and checking the performance of chemical reconnaissance devices.
5	Practical session	2	2		**Lesson 3. Practical use of personal protective equipment. Basics of special treatment.** 1. Radiation, chemical, biological contamination warning signals. 2. Procedure for the implementation and evaluation of standard No. 1. 3. Procedure for fulfilling and evaluating the standard No. 4a; 4b. 4. Procedure for the implementation and evaluation of the standard No. 6; 7; 8. 5. Individual special treatment agents and the procedure for their use 6. Purpose and structure of special processing kits and their preparation for use in various processing methods.
6	Practical session	2	2		**Lesson 4. Theoretical basis of aerosols application. Application of technical means of setting up aerosol curtains.** 1. General principles of aerosol camouflage. 2. Technical means of general-purpose aerosol camouflage and their characteristics. 3. The procedure for using hand-held smoke grenades. 4. The procedure for using smoke bombs.
7	**Final control**	2	2		**Credit**
Total for the discipline		15	14	1	

4.7. EP 1.7 "Military topography"

General objective of the discipline

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

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

to know:
tactical properties of the terrain;
layout and nomenclature of topographic maps;
symbols for topographic maps;
methodology for determining the characteristics of the terrain;
methods for determining geographical, rectangular and polar coordinates of terrain objects;
methods for determining coordinates on topographic maps in the World Geodetic System WGS-84, Mercator Cartographic Projection (UTM), and the MGRS targeting system;
rules for determining directional angles and magnetic azimuths;
the procedure for measuring distances and areas on a topographic map;
the procedure for working with photographic documents;
the procedure for navigating unfamiliar terrain with and without a map;
the procedure for using navigation devices;
be able to:
assess the tactical properties of the terrain;
determine the nomenclature of adjacent sheets of topographic maps;
Read topographic maps;
Determine the mutual visibility between objects and the steepness of slopes;
build vertical terrain profiles;
determine the geographical, rectangular, and polar coordinates of terrain objects;
determine coordinates on topographic maps in the WGS-84 global geodetic system, the Mercator Cartographic Projection (UTM), and the MGRS targeting system;

measure distances, areas and angles on a topographic map;

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

navigate unfamiliar terrain with and without a map;

plan and move along a specific route.

Organisational and methodological guidelines

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

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

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

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

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

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

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

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

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

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

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

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

Information and methodological support

1. Shmal S. Military topography. Kyiv: Editorial and Publishing Centre of the Armed Forces of Ukraine, 2018.

2. Instruction on the use of topographic, special, digital (electronic) maps in the Armed Forces of Ukraine. approved by the Order of the General Staff of the Armed Forces of Ukraine 31.12.2021 No. 422.

3. Methodological guide on the use of NATO topographic maps in the Armed Forces of Ukraine. Kyiv, 2017.

4. An album of samples of topographic, special maps and photographic documents about the area produced by the topographic service of the Armed Forces of Ukraine. Kyiv: Editorial and Publishing Centre of the Armed Forces of Ukraine, 2019.

5. Instructions for the use of the World Geodetic System WGS-84. Order of the Ministry of Defence of Ukraine 18.09.2023 No.   563. 39 c.

6. Combat Statute of the Land Forces "Geospatial Support of the Land Forces of the Armed Forces of Ukraine" BP 3-30(11).01, Kyiv, 2020.

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

| № s/n | Types of training sessions, control measures | Total hours | Among them. | | Topic title and study questions |
			Under the guidance of the NPP, instructors	Independent work	
1	2	3	4	5	6
		18	10	8	**Topic 1 Topographic maps.**
1	Group session	4	2	2	**Lesson 2 Topographic maps of the Armed Forces of Ukraine.** 1. Purpose, scale and characteristics of topographic maps. 2. The essence of topographic mapping and nomenclature. 3. Summary tables of topographic maps. 4. 4. Prepare the topographic map for work. Independent work: Topographic maps of the Armed Forces of Ukraine. 1. Practice identifying adjacent sheets of topographic maps at different scales.
2	Group session	4	2	2	**Lesson 4. Study the terrain on a map.** 1. The essence of the relief image by horizontal lines. 2. The height of the relief section. 3. Determine the elevation and elevation of points on the map. 4. 4. Determine the steepness of slopes from the map. Independent work: Study the terrain on a map. 1. Perform individual tasks to build a vertical profile of the terrain.
3	Group session	3	2	1	**Lesson 7. The system of geographical coordinates.** 1. The concept of a geographic coordinate system. 2. Determine geographic coordinates from a topographic map. 3. Plotting targets on a map using known geographic coordinates. Independent work: Geographic coordinate system. 1. Determine the location of the object (target) in the geographic coordinate system.

№					
4	Group session	3	2	1	**Lesson 8. The system of flat rectangular coordinates.** 1. The essence of the plane rectangular coordinate system. 2. Determining rectangular coordinates from a topographic map. Additional coordinate grid at the junction of neighbouring zones. 3. Place targets on the map using rectangular coordinates. Independent work: Flat rectangular coordinate system. 1. Determine the location of an object (target) in a flat rectangular coordinate system. 2. Determine the location of the object (target) in the polar and bipolar coordinate systems.
5	Group session	4	2	2	**Lesson 9. Azimuths and directional angles.** 1. Directional angle, true and magnetic azimuths. The procedure for determining the directional angles from the map. 2. Direction correction. Switch from directional angles to azimuths and vice versa. Independent work: Azimuths and directional angles. 1. Determination of directional angles and azimuths. Calculate the directional correction. 2. Training in the transition from directional angles to azimuths and vice versa.
		7	**6**	**1**	**Topic 2 Terrain as an element of the combat environment.**
6	Group session	2	2		**Lesson 2. Working with aerial images.** 1. Prepare the aerial image for work. 2. Transfer targets from the aerial image to the map. 3. Determine the rectangular coordinates of targets from an aerial image.
7	Practical session	5	4/4	1	**Lesson 3: Measuring and orienteering without and with a map.** 1. Orientation on the ground without a map. 2. Measure angles and determine distances on the ground. 3. Orientation on the map. Determining the point of standing. Independent work: Drawing a map of the area. 1. Conventional symbols used on terrain diagrams. 2. Drawing a map of the area.
		3	**2**	**1**	**Topographic maps of NATO countries.**
8	Practical session	3	2	1	**Lesson 2: Locating objects on NATO maps.** 1. Determine the geographical coordinates. 2. Determine the rectangular coordinates. 3. Features of using the Military Grid Reference System. Independent work: Determining the position of objects on NATO maps. 1. Determining the position of objects using the Military Grid Reference System with varying accuracy.
9	**Final control**	**2**	**2**		**Credit**
Total for the discipline		**30**	**20**	**10**	

4.8. EP 1.8 "Engineering training"

General objective of the discipline

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

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

to know:
demonstrate knowledge of the nature of engineering support tasks;
processes of comprehensive support of the unit (by types, branches of the Armed Forces of Ukraine, other military formations established in accordance with the laws of Ukraine) during combat use and daily activities;
be able to:
to organise the execution of tasks on engineering support for the mobility of their troops (forces);
to carry out engineering measures to restrict the mobility of enemy forces and assets;
carry out engineering measures to improve the survivability and safety of troops (forces) and facilities;
organise the performance of general engineering support tasks for troops (forces).

Organisational and methodological guidelines

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

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

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

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

Information and methodological support

1. Temporary Guidelines on Engineering Support of the Armed Forces of Ukraine - Kyiv: General Staff of the Armed Forces of Ukraine, 2019.

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

3. Combat Regulations of the Artillery of the Armed Forces of Ukraine, Part II (division, battery, platoon, gun) / Kyiv: Varta, 2017.

4. On Approval of the Guidelines on Subversive (Explosive) Activities in the Armed Forces of Ukraine. Order of the General Staff of the Armed Forces of Ukraine No. 1 of 04 January 2017 - Kyiv, 2017.

5. On Approval of the Guidelines for the Use of Engineered Ammunition by Units of the Armed Forces of Ukraine. Order of the General Staff of the Armed Forces of Ukraine of 04 January 2017 No. 2 - Kyiv, 2017.

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

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

					2. Arrangement of fortifications for firing at the positions of mechanised and tank units. 3. Arrangement of fortifications to protect personnel. Independent work 1. Procedure for equipping single trenches for firing from a rifle (machine gun), trenches for tanks, armoured personnel carriers, armoured personnel carriers, cannon. Procedure for equipping anti-fragmentation shelters, blocked gaps, and dugouts. 2. Purpose, specifications of the main types of earthmoving equipment (PZM-2, EOV-4421, MDK-3).
4	Group session	3	2	1	**Lesson 2: Conducting engineering security measures for the use of troops and facilities to camouflage troops and facilities, simulate their actions**. 1. General provisions on camouflage. 2. Methods of camouflage of personnel and equipment. 3. Disguise of fortifications and objects based on the experience of the war with the Russian Federation. Independent work 1. Purpose, technical characteristics and composition of sets of service engineering camouflage means. 2. Purpose, technical characteristics, composition of personnel sets of anti-radar camouflage and concealment equipment.
		18	12	6	**Topic 3. Blasting operations.**
5	Group session	3	2	1	**Lesson 1: Destruction, basics of the fire method of detonating explosive charges. Basics of the electric method of detonating explosive charges.** 1. Classification of explosives. 2. Purpose, technical characteristics and structure of fire detonation devices. 3. Purpose, technical characteristics and design of electrical detonation devices. 4. Purpose, technical characteristics of sapper wires and test equipment. Independent work 1. Purpose and composition of the kit for preparation and conduct of blasting operations in the field. 2. The Criminal Code of Ukraine on violation of the established rules for handling explosives and means of detonation. 3. General requirements for safety measures during blasting operations.
6	Group session	3	2	1	**Lesson 2: Anti-tank mines**. 1. Purpose and classification of anti-tank mines. 2. General design, technical characteristics, kit composition, procedure for installation and neutralisation (destruction) of TM-62 series anti-tank anti-track mines. 3. Foreign-made anti-tank mines used by the Armed Forces of Ukraine. Independent work 1. Purpose, technical characteristics, design, principle of operation, procedure for neutralisation (destruction) of MVCH-62 fuzes.

					2. Purpose, technical characteristics, design, principle of operation, procedure for neutralisation (destruction) of MVP-62 and MVP-62M fuzes.
7	Group session	4	2	2	**Lesson 3: Anti-personnel mines. Means and main types of mines that can be laid remotely.** 1. Purpose and classification of anti-personnel mines used in the war with the Russian Federation. 2. General structure, technical characteristics, principle of operation, procedure for laying and neutralising (destroying) anti-personnel mines. 3. Foreign-made anti-personnel mines used by the Armed Forces of Ukraine 4. Purpose, technical characteristics, design, principle of operation and procedure for defusing mines laid by remote mining systems. Independent work 1. Methods of fixing minefields. 2. Fill in the minefield fixation card.
8	Practical session	6	4	2	**Lesson 4. Making passages in minefields by explosive means**. 1. Overcoming minefield obstacles by non-standard demining teams (demining). 2. The procedure for manufacturing ignition tubes. 3. The procedure for detonating explosive charges by fire. Independent work 1. Procedure for calculating the weight of explosives and their placement for making a passage in anti-tank non-explosive barriers. 2. Procedure for calculating the weight of explosives and their placement for making a passage in anti-personnel non-explosive barriers.
9	**Final control**	**2**	**2**		**Credit**
Total for the discipline		**30**	**20**	**10**	

4.9. EP 1.9 "Organisation of military communications"

General objective of the discipline

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

As a result of studying the discipline, students should:

to know:
the procedure for using the latest means of communication;
tactical and technical characteristics of the main types of communications equipment;
the procedure for creating a unit management system in a modern combined arms battle, the principles of using communication means in the main types of combat, taking into account the use of electronic warfare by the enemy;
organising the management of a subordinate unit in preparation for and during a general combat using regular means of communication;
be able to:
organise communication with subordinate and interacting units in the main types of combat;
to carry out radio communications in radio networks and radio directions, to conduct official negotiations by means of communication in conditions of interference, to meet the requirements of radio masking, covert command and control of troops and ensure the security of communications;
Practical skills in working with standard and modern means of communication of the unit;
correctly apply the documents of covert (hidden) management of the unit.

Organisational and methodological guidelines

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

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

Classes are held in specialised classrooms, training complexes, training grounds and campuses, training fields, which must be equipped with the necessary stands, posters, simulators, computer equipment, etc. The educational material provided for studying

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

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

Information and methodological support

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

Topics and allocation of class time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Under the guidance of the NPP, instructors	Independent work	
1	2	3	4	5	6
		3	2	1	**Topic 1: Fundamentals and methods of organising military communications in tactical command and control units.**
1	Group session	2	2	1	**Lesson 1. Fundamentals of radio communication. Conducting radio communication (radio exchange) in units. Field means of wire communication of tactical command and control units.** 1. General concepts of radio communication. Frequency ranges and the concept of electromagnetic wave propagation. 2. Rules of radio communication, phonetic alphabet and numbers. The procedure for reporting on the situation, call signs. 3. Purpose, composition and procedure for coding messages and orders using documents of covert management of units. 4. Purpose, general structure and main specifications of the TA-57 telephone set, P-193M field switchboard. Independent work. Fundamentals of radio communication. Conducting radio communication (radio exchange) in units. 1. Advantages and disadvantages of radio communication. 2. Methods of radio wave propagation. Features of propagation of radio waves of the VHF and UHF ranges. Ways of organising radio communication.
		10	8	2	**Topic 2 Tactical and technical characteristics, capabilities and modes of operation of basic communication equipment in units of the tactical command and control of the Armed Forces of Ukraine. Covert command and control of units.**
2	Group session	2	2		**Lesson 1. Tactical and technical characteristics, capabilities and modes of operation of the main radio communication equipment of tactical command and control units.** 1. Tactical and technical characteristics of Motorola radio stations DP 4800, DP 4400, DM 4600 (Lybid K-1A). Capabilities and modes of operation of DP 4800, DP 4400, DM 4600 (Lybid K-1A).

1	2	3	4	5	6
					2. The main tactical and technical characteristics and operating modes of HARRIS RF-7850M-HH radio stations. 3. Options for using radio stations in tactical command and control units.
3	Group session	3	2	1	**Lesson 2. Tactical and technical characteristics and modes of operation of HARRIS ultra-shortwave radio stations. Preparation for the operation of satellite communication stations of tactical command and control units.** 1. Main tactical and technical characteristics and modes of operation of HARRIS RF-7850M-HH radio stations. 2. The composition of the radio station. Controls of the radio station. Preparing the radio for operation. 3. Main technical characteristics, procedure for setting up and masking the StarLink satellite communication station. Independent work. Tactical and technical characteristics and modes of operation of HARRIS ultra-shortwave radio stations. Preparation for the operation of satellite communication stations of tactical command and control units. 1. Application options for HARRIS RF-7850M-HH radios. 2. The procedure for preparing the configuration and masking of the StarLink satellite communication station.
4	Practical session	3	2	1	**Lesson 3. Application of documents for covert command and control of units in planning and performing tasks in combat zones.** 1. Procedure for coding messages and orders using documents of covert management of subdivisions. 2. Procedure for transmitting signals and commands by radio (situation report (SITREP), contact report (CONTACT REPORT), request for evacuation of the wounded (CASEVAC). Independent work. Application of documents for covert command and control of units in the planning and execution of tasks in combat zones. 1. Procedure for coding messages and orders using documents of covert management of subdivisions.
5	Practical session	2	2		**Lesson 4. Work on communication means using documents of covert control of tactical command and control units.** 1. Work on radio communications, transfer of information using documents of covert command of units. 2. Preparation for the operation and deployment of the StarLink satellite terminal, transmission of information to the Armed Forces command and control system via open communication channels. 3. Preparation and operation of the TA-57 field telephone set and the P-193M field telephone switchboard.
6	**Final control**	2	2		**Credit**
Total for discipline		**15**	**12**	**3**	

4.10. EP 1.10 "Combat system of warrior survival (including tactical medicine)"
General objective of the discipline

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

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

to know:
the most common causes and signs of injuries and traumas requiring first aid, the procedure and methods of providing first aid to the injured and affected;
the procedure for organising movement on the territory controlled by the enemy;
basic life support measures in autonomous conditions;
be able to:
provide first aid for wounds, bleeding, poisoning and other combat injuries using service equipment;
organise and equip locations for a small unit in the face of a possible encounter with the enemy;
take measures to counteract the impact of environmental conditions on the human body.

Organisational and methodological guidelines

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

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

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

Information and methodological support

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

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

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

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

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

№ s/n	Types of training sessions, control measures	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
			Among them.		
1	2	3	4	5	6
		9	**6**	**3**	**Topic 1. Fundamentals of providing assistance to victims of hostilities. Assisting victims in the area of direct threat**
1	Lecture	1	1	-	**Lesson 1. First aid measures in combat conditions. Means of individual medical equipment of a serviceman.** 1. Principles and algorithm of providing first aid to victims of hostilities. 2. The role and responsibility of non-medical personnel in providing assistance to victims of hostilities. 3. Means of individual medical equipment of a serviceman.
2	Group session	2	1	1	**Lesson 2. First aid measures in combat conditions. Means of individual medical equipment of a serviceman.** 1. Principles and algorithm of providing first aid to victims of hostilities. 2. Means of individual medical equipment of a serviceman. Independent work. 1. Definition and objectives of tactical medicine. 2. Fundamentals of normal human anatomy and physiology. 3. Composition and purpose of individual and group medical first aid kits. 4. Algorithm for providing assistance to the victim MARCH PAWS.
3	Practical session	3	2	1	**Lesson 3. Providing assistance to victims in the area of direct threat.** 1. Basics of communication with the victim and ways to approach him/her. 2. Stop massive bleeding from the extremities using a mechanical haemostatic device (collar type). Independent work. 1. Basic action plan and safety rules for working in conditions of direct threat (under enemy fire). 2. Algorithm of actions when applying a mechanical haemostatic agent (collar type). 3. Signs of massive bleeding.
4	Practical	3	2	1	**Lesson 3. Moving the victim to a shelter.**

	session				1. Moving the victim out of the immediate threat zone independently without the use of additional equipment. 2. Moving (dragging, carrying) the victim out of the immediate threat zone in a group without the use of additional equipment. 3. Extracting the victim from the vehicle (combat vehicle, car, etc.). Independent work. 1. Ways to move the victim out of the immediate threat zone without using regular and improvised means. 2. Methods of moving (dragging, carrying) the victim out of the area of direct threat in a group without the use of additional equipment. 3. Rules for extracting a victim from a vehicle (combat vehicle, car, etc.).
		20	14	6	**Topic 2. Assisting victims in the area of indirect threat**
5	Practical session	3	2	1	**Lesson 1. Basics of providing assistance in an indirect threat zone.** 1. Fundamentals of providing assistance in an area of indirect threat (equipment, safety rules, communication, triage). 2. Fundamentals of assessment of victims in the area of indirect threat (principles, assessment of the status of consciousness, pulse and respiratory rate, communication with the victim and his/her isolation). Independent work. 1. Algorithm for providing assistance to a victim of MARCH PAWS.
6	Practical session	2	2		**Lesson 2. Assisting victims with massive bleeding - M (Massive bleeding).** 1. Examine the wounded for massive bleeding. 2. Application of indirect pressure on the vessels. 3. Applying direct pressure to the vessels. 4. The use of gate-type turnstiles for limbs with a ratchet mechanism. 5. Performing tamponade using haemostatic and conventional means. Reassess the effectiveness of tamponade. 6. Application of compression bandages.
7	Practical session	3	2	1	**Lesson 3. Assistance in case of obstruction of the upper airway - A (Airways).** 1. Manual restoration of airway patency. 2. Determining the presence of breathing (the "Hear-See-Feel" method). 3. Place the victim in a stable lateral position. 4. Restoration of airway patency in case of suspected cervical spine injury. 5. Manual removal of foreign bodies from the oral cavity. 6. Insertion of a nasopharyngeal airway. 7. Artificial lung ventilation using a ventilation bag with a mask alone or in a team. 8. State of consciousness on the AVPU scale.

					Independent work. 1. Structure of the human upper respiratory tract. 2. Signs of upper airway obstruction and emergency respiratory care "Tactical First Aid" (TFA). 3. Selection of a nasopharyngeal airway (NPA). 4. State of consciousness on the AVPU scale.
8	Practical session	3	2	1	**Lesson 4. Providing assistance according to the MARCH algorithm. Assessment of breathing and life-threatening chest injuries - R (Respiration).** 1. Types and symptoms of chest injuries. 2. Assessment of breathing rate and depth. 3. The procedure and sequence of chest examination. 4. The procedure for using occlusal stickers. 5. Conducting the "venting" depressurisation technique (Burping technique). 6. The procedure for needle decompression. Independent work. 1. Structure of the human chest. 2. Identification of signs of tension pneumothorax.
9	Practical session	4	2	2	**Lesson 5. Providing assistance using the MARCH algorithm. Circulation - C (Circulation).** 1. Immobilisation of the pelvic bones. 2. Assessment of radial pulse and level of consciousness. 3. Conversion and relocation of the turnstile. 4. Control (reassessment) of external and internal bleeding and search for other injuries (wounds). Independent work. 1. Reassessment of massive bleeding control. 2. Signs of a pelvic fracture. 3. Symptoms of hypovolemic (haemorrhagic) shock. The lethal triad.
10	Practical session	2	2		**Lesson 6. Providing assistance using the MARCH algorithm. Hypothermia (Hypothermia).** 1. Use of various types of thermal blankets and heating elements. Prevention of hypothermia. 2. Examination and assessment of a victim with suspected head and eye injuries. 3. Provide pre-hospital care in case of suspected head and eye injuries.
11	Group session	3	2	1	**Lesson 7. Thermal injuries. Fractures. Use of painkillers and antibiotics. Wounds.** The procedure for providing pre-hospital care to victims with thermal injuries. Immobilisation of limbs, neck, spine. Applying a bandage when fixing foreign bodies in the victim's body. Applying a bandage to the amputated part of the limb, packing the amputated part of the limb. Wound assessment and dressing. Independent work. 1. Degrees and types of thermal injuries and methods of calculating their area.

					2. Procedure for examination and assessment of a victim with suspected musculoskeletal injuries, types of musculoskeletal injuries. 3. The concept and contents of the individual pill kit (CWMP), the main types of painkillers and antibiotics.
		9	**8**	**1**	**Topic 3. Sorting, moving and preparing for evacuation. Evacuation transport**
12	Group session	2	2		**Lesson 1. Triage in case of mass arrival of the wounded. Sorting the wounded by evacuation priority.** 1. Maintaining sorting documentation. 2. Sorting algorithms and categories.
13	Group session	3	2	1	**Lesson 2. Moving and preparing for evacuation.** 1. Loading victims into/on various types of transport. 2. Securely securing the wounded for transport. 3. Give a verbal report. 4. Filling out a victim card. Independent work. 1. Types of equipment for moving victims. 2. Types of land and air transport for evacuation of victims.
14	Group session	4	4	-	**Lesson 3. Simulation exercises.** 1. Rehearse a scenario for assisting a victim with different types of injuries. 2. Summing up the results.
		19	**10**	**9**	**Topic 4. Fundamentals of the combat system of survival of warriors.**
15	Lecture	4	2	2	**Lesson 1. The basics of survival.** 1. The concepts of survival and autonomous existence. Factors affecting human survival. 2. Purpose and composition of the emergency kit and emergency bag. Independent work. 1. Equipment and options for equipment tiering. 2. Methods and means of signalling.
16	Group session	4	2	2	**Lesson 2. Catering and water supply.** 1. Methods of cooking and storing food in the field. Use of natural resources for food. 2. Finding water sources, water purification and disinfection. 3. Methods of obtaining and preserving fire. Fire for cooking. Independent work. 1. Recommendations for compliance with the drinking regime. 2. Types of fires and their purpose.
17	Practical session	4	2	2	**Lesson 3. The basics of survival. The basics of rational nutrition and water supply.** 1. Finding water sources, water purification and disinfection. 2. Fire production and fire preservation.

					3. Preparation and storage of food in the field. Use of natural resources for food. Independent work. 1. Equipment and options for echeloning the serviceman's equipment. 2. Modern mandatory items of personal equipment for servicemen. 3. Principles of preparing and completing a survival kit. Typical composition of an individual survival kit.
18	Group session	3	2	1	**Lesson 4. The basics of moving and studying tracks on the ground.** 1. Organisation of movement in the territory controlled by the enemy. 2. Procedure for movement and actions when encountering the local population and the enemy. 3. Study of footprints of people and equipment, determination of the age of the trail and the troops' camping. Independent work. 1. Organisation of movement on the ground. Marching order during movement. 2. Rules of the tracker.
19	Group session	2	1	1	**Lesson 5. Orientation when operating in enemy-controlled territory.** 1. Orientation in space and time. 2. Determine the direction and follow it while driving. 3. Methods of determining distances on the ground. 4. Ways to determine the linear dimensions of local objects (landmarks). Independent work. 1. Practically solve problems of determining the local time by the celestial bodies. 2. Practically solve problems on determining distances on the ground and linear dimensions of objects.
20	Group session	2	1	1	**Lesson 6. Organisation of recreation in the territory controlled by the enemy.** 1. Requirements for places of rest, arrangement of shelter in different conditions. Organisation of rest. 2. Actions in the conditions of enemy use of sniffer dogs. Independent work. Arranging a shelter, ensuring the safety of the resting place. 1. Ensuring the safety of the recreation area. 2. Practice the types of shelter using the equipment and tools at hand.
22	**Final control**	**3**	**2**	**1**	**Credit**
Total for the discipline		**60**	**40**	**20**	

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

General objective of the discipline

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

As a result of studying the discipline, students should:

to know:

requirements of the statutes of the Armed Forces of Ukraine;

general duties, rights and responsibilities of military personnel;

organisation of internal order in the unit;

the procedure for organising internal service in the unit (platoon, company);

the procedure for organising the training of the personnel of the daily patrol assigned from the unit;

the rights of the unit commander to apply incentives and impose disciplinary sanctions on subordinate servicemen;

Methods of conducting drill classes and the Statutes of the Armed Forces of Ukraine;

be able to:

personally comply with the requirements of the Statutes of the Armed Forces of Ukraine;

apply the requirements of the Statutes of the Armed Forces of Ukraine in the daily activities of the unit;

organise the accommodation of personnel in compliance with the requirements of the statutes and internal regulations;

organise the performance of service by the unit's personnel in daily patrols;

ensure the safe storage of weapons and ammunition;

exercise disciplinary power, correctly apply disciplinary measures (rewards, penalties) to subordinate servicemen;

conduct drill training and study of the Statutes of the Armed Forces of Ukraine with the personnel of the unit;

correctly perform elements of drill training in everyday activities.

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

Information and methodological support

1. Statute of the Internal Service of the Armed Forces of Ukraine.
2. Disciplinary Statute of the Armed Forces of Ukraine.
3. The Charter of the Garrison and Guard Services of the Armed Forces of Ukraine.

4. The Articles of Arms of the Armed Forces of Ukraine.

5. Standard of individual training in the subject of study "Statutes of the Armed Forces of Ukraine" (introductory course), STI 000G.17L.

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

Topics and allocation of class time by type of class

№ s/n	Types of training classes, control events	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
1	2	3	4	5	6
		1	1		**Topic 1. Duties, rights and responsibilities of military personnel.**
1	Lecture	1	1		**Lesson 1. Responsibilities of the command group officials.** 1. Duties of the platoon leader. 2. Distribution of authority at the platoon level between the officer and the NCO.
		1	1		**Topic 2. Military discipline**
2	Lecture	1	1		**Lesson 1. Incentives and disciplinary sanctions applied and imposed on military personnel.** 1. Incentives applicable to military personnel. 2. Disciplinary sanctions imposed on military personnel.
		3	2	1	**Topic 3. Daily routine of a military unit.**
3	Lecture	3	2	1	**Lesson 1. Daily routine, preparation and reconnaissance.** 1. Daily duty, the procedure for assigning duty and reporting on them. 2. Preparation and reconnaissance of the daily patrol. 3. Equipment of premises (places) for duty by the daily squad. Independent work. 1. Study of the duties of the persons on duty (day watch and company watch).
		2	2		**Topic 4. Organisation of the guard service.**
4	Lecture	2	2		**Lesson 3. Rights and duties of guard officials.** 1. Duties of guard officials. 2. Procedure for the use of physical force and weapons by guard personnel.
		6	6		**Topic 5. Drill training**

5	Practical session	1	1		**Lesson 1. Formations and their management.** 1. The line and its elements. Formation management and the order of giving commands. 2. Duties of servicemen before lining up and in formation. 3. Signals for formation control and machine control.
6	Practical session	1	1		**Lesson 2. Drill techniques and unarmed movement.** 1. 1. The combat position. Execution of commands: "Halt", "Stand at attention", "Attention", "At ease", "Get in line", "Headgear - take off (put on)". 2. Turns in place and while driving. 3. Movement in formation and marching steps, running.
7	Practical session	1	1		**Lesson 3. Getting out of line, returning to line. Approaching and departing from a superior.** 1. Withdrawal from deployed formation and return to formation. 2. Leaving the marching formation and returning to the formation. 3. Approaching and departing from the boss.
8	Practical session	2	2		**Lesson 4. Drill techniques and movement with weapons.** 1. The order of execution of commands: "STAND STILL", "ATTENDANCE", "AT EASE", "HATS OFF (ON)" with weapons in the "ON THE STRAP", "BEHIND THE BACK" and "ON THE BREAST" positions, "BELT LOOSEN (TIGHTEN)" as assigned. 2. Position of the weapon when moving "ON THE ROAD", "FOR PATROL", "DURING PATROL IN A POPULATED AREA". 3. Procedure and execution of drills "Weapon on re - ME", "Rifle on - chest", "Weapon - behind the back".
9	Practical session	1	1		**Lesson 5. Drill techniques and movement with weapons.** 1. Drills with weapons: "Put down - WEAPON", "To - WEAPON", "Behind - WEAPON" by distributions. 2. Performing drills with weapons: "Put down - WEAPON", "To - WEAPON", "Behind - WEAPON" in general. 3. Performing a military salute with weapons on the spot and in motion.
10	**Final control**	2	2		**Credit**
Total for the discipline		**15**	**14**	**1**	

4.12. EP 1.12 "Firearms and Weapons Training"
General objective of the discipline

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

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

to know:

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

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

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

the procedure for using night sights and surveillance devices;

safety measures when handling small arms and grenades;

be able to:

use regular weapons;

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

use lighted reactive, signal cartridges and signal pistols.

Organisational and methodological guidelines

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

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

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

The firing exercises shall be conducted in accordance with the Course of Fire from Small Arms and Combat Vehicles. During firing exercises, use elements of psychological influence on the trainees, such as firing blank ammunition behind the firing personnel and using explosive packages at safe distances.

Information and methodological support

1. Small arms and combat vehicle firing course. Order of the General Staff of the Armed Forces of Ukraine of 17 April 2018, no. 160.

2. Collection of Standards for Combat Training of the Land Forces of the Armed Forces of Ukraine - Kyiv: Military Publishing House, 2021.

3. Manual of fire 5.45 mm Kalashnikov rifles (AK-74, AKS-74, AK-74N, AKS-74N) and 5.45 mm Kalashnikov machine guns (RPK-74, RPK-74N, RPK-74N). VKDP 7-00(01).01.

4. Manual on shooting 7.62 mm Kalashnikov machine guns KK, KKM, KKS, KKMS, KKB, KKMB, KKT". VKDP 7-00(01).01.

5. RPG-7V (RPG-7D) Hand-held Anti-Tank Grenade Launcher Manual. VKDP 7-01(03-05, 22, 23)03.01.

6. Manual. On the use of foreign-made weapons in the Armed Forces of Ukraine (instructions for use). Part 1 (small arms). VP 7-(01).03.01.

7. Manual. On the use of foreign-made weapons in the Armed Forces of Ukraine (instructions for use). Part 2 (anti-tank weapons). VP 7-(01).03.01.

8. Handbook for the commander of a mechanised unit. VP 7-00(11).01.

Title of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
1	2	3	4	5	6
		22	16	**6**	**Topic 1. Arming units.**
1	Lecture	4	2	2	**Lesson 1. General concepts of small arms**. 1. The main tasks and procedure for studying the discipline. 2. The purpose of modern small arms and melee weapons. 3. Design properties of small arms and melee weapons. Independent work. 1. Classification of small arms. 2. Learn the basics and rules of shooting.
2	Group session	3	2	1	**Lesson 2. 5.45 mm RPK-74 machine gun**. 1. Purpose, combat characteristics, general structure of the RPK-74 machine gun, completeness, operation of parts and mechanisms of the standard weapon. Ammunition, spare parts and accessories. 2. The procedure for incomplete disassembly of weapons and assembly after incomplete disassembly. Maintenance of weapons. 3. Checking the combat and bringing the RPK-74 machine gun back to normal. Independent work. 1. Preparing the RPK-74 machine gun for firing.
3	Group session	3	2	1	**Lesson 3. 7.62 mm PKM (PC) machine gun**. 1. Purpose, combat characteristics, general structure of the PKM (PC) machine gun. Completeness, ammunition. spare parts and accessories. 2. The procedure for incomplete disassembly of weapons and assembly after incomplete disassembly. Maintenance of weapons. 3. Check the combat and bring the PKM machine guns (PKT) back to normal. Independent work...

1	2	3	4	5	6
					1. Possible delays in firing and how to eliminate them.
4	Group session	3	2	1	**Lesson 4. Service pistols.** 1. Purpose, combat properties, general structure, operation of parts and mechanisms of service pistols. Ammunition, spare parts and accessories. 2. The procedure for incomplete disassembly of weapons and assembly after incomplete disassembly. Maintenance of weapons. Independent work. 1. Possible delays in firing and how to eliminate them.
5	Group session	4	4	-	**Lesson 5. 40 mm RPG-7V (RPG-7D) hand-held anti-tank grenade launcher. RPG-18 rocket-propelled grenades.** 1. Purpose, combat capabilities, general structure and procedure for use of the RPG-7. 2. The procedure for incomplete disassembly and assembly of the RPG-7. Alignment of the RPG-7 sighting devices. 3. Purpose, combat properties, general structure of RPG-7 rounds and RPG-18, RPG-22, 26 grenades. Independent work. 1. Preparing the RPG-7B (RPG-7D) grenade launcher for firing.
6	Group session	2	2	-	**Lesson 6. Small arms and grenade launchers of the leading countries of the world.** 1. NATO rifles, machine guns and grenade launchers. 2. Purpose, general structure, principle of operation of the AR-15 platform. 3. The procedure for incomplete disassembly of weapons and assembly after incomplete disassembly. Maintenance of weapons.
7	Group session	3	2	1	**Lesson 7. Checking the combat and bringing small arms to normal combat.** 1. Check the combat and bring the weapon to normal combat at different distances. 2. Combat checks and bringing the weapon to normal operation of NATO small arms. Independent work. 1. Improving the skills of bringing weapons to normal combat.
		3	2	**1**	**Topic 2. The basics of shooting.**
8	Group session	3	2	1	**Lesson 1. Internal and external ballistics.** 1. Information on internal and external ballistics. 2. Explosives. Main groups of explosives. 3. Shot periods. 4. Measurement of angles, formula for the thousandth.

1	2	3	4	5	6
					Independent work. 1. Learn the basic concepts of internal and external ballistics.
		10	**6**	**4**	**Topic 3. Rules of shooting.**
9	Group session	4	2	2	**Lesson 1. Rules of small arms fire**. 1. Rules for choosing a sight and aiming point when shooting small arms at targets. 2. Influence of firing conditions on the flight of a bullet. Determination of corrections for deviations from normal (tabulated) firing conditions. 3. Composition, purpose of KJ-83, KJ-2017 and the procedure for their application. Independent work. 1. Solving firing tasks.
10	Group session	4	2	2	**Lesson 2. Rules of fire from the 40mm RPG-7B (RPG-7D) anti-tank grenade launcher.** 1. Rules for assigning initial settings. 2. Rules of fire from the 40-mm RPG-7V (RPG-7D) anti-tank grenade launcher against moving and emerging targets. Independent work. 1. Field rules of fire from the 40-mm RPG-7V (RPG-7D) anti-tank grenade launcher.
11	Group session	2	2		**Lesson 3. Fire mission. Its essence and sequence of solution.** 1. General information about shooting from different types of weapons. 2. Elements of solving a fire mission. 3. 3. Direct shooting training.
		6	**4**	**2**	**Topic 4. Methodological training of unit commanders.**
12	Group session	4	2	2	**Lesson 1. Methods of conducting firearms training.** 1. General requirements, methods and forms of firearms training. 2. Organisation and procedure of fire training. 3. Assessment of firearms training. Independent work. 1. Procedure for working on teaching and training cards.
13	Practical session	2	2		**Lesson 2. Organisation and conduct of control fire training exercises**. 1. The procedure for organising control classes. 2. The procedure for conducting control classes.
		43	**37**	**6**	**Topic 5. Fire training. Performing firing exercises with small arms and melee weapons.**
14	Group session	2	2	-	**Lesson 1. Basic provisions of the Small Arms and Combat Vehicle Shooting Course, shooting conditions and safety measures**.

1	2	3	4	5	6
					1. Basic provisions of the Small Arms and Combat Vehicle Shooting Course. 2. Conditions for firing exercises and safety measures.
15	Practical session	2	2	-	**Lesson 2. Maintenance, preparation of machine guns (5.45 mm RPK-74 machine gun, 7.62 mm PKM (PC) machine gun) and 40 mm RPG-7 grenade launcher for firing. Fulfilment of fire training standards. Solving fire tasks.** 1. Maintenance, preparation of machine guns (5.45 mm RPK-74 machine gun and 7.62 mm PKM (PC) machine gun) for firing. 2. Maintenance and preparation of a 40 mm RPG-7 grenade launcher for firing. 3. Fulfilment of fire training standards No. 13, 14, 16 for machine guns and 40 mm RPG-7 grenade launcher.
16	Practical session	7	6	1	**Lesson 3. Exercises on firing from a 5.45 mm AK-74 rifle, a 40 mm RPG-7 grenade launcher (PUS-7), and throwing a hand-held training grenade.** 1. Execution of the training exercise COP 2.01.1.1 "Shooting from a standstill at emerging targets" with the 5.45 mm AK-74 rifle. 2. Execution of the initial firing exercise COP 1.06.1.1 "Shooting from a standstill at a stationary target with PUS-7" from a 40 mm RPG-7 grenade launcher. 3. Performing the initial training grenade throwing exercise COP 4.16.2.6 "Throwing an offensive hand grenade on the move in foot order". 4. Practicing firearms training standards No. 1 and 2 for the 5.45 mm AK-74 rifle and 40 mm RPG-7 grenade launcher. Independent work. 1. Servicing the weapon after firing.
17	Practical session (night)	5	4	1	**Lesson 4. Practical shooting with 5.45 mm AK-74 at night.** 1. Execution of the training exercise COP 2.01.1.1 "Shooting from a standstill at emerging targets" with the 5.45 mm AK-74 rifle at night. 2. Practicing firearms training standards No. 1, 2 and the procedure for aiming at night using a device for night shooting with a 5.45 mm AK-74 rifle. 3. Rules for the use of illuminated reactive, signal cartridges and signal pistols. Procedure for the use of night sights and surveillance devices. Independent work. 1. Servicing the weapon after firing.

1	2	3	4	5	6
18	Practical session (methodological practice)	7	6	1	**Lesson 5. Exercises with 5.45 mm AK-74 rifle, RPK-74 machine gun, 40 mm RPG-7 grenade launcher.** 1. Execution of the training exercise COP 2.01(03-04).1.1 "Shooting from a standstill at emerging targets" with the 5.45 mm AK-74 rifle and RPK-74 machine gun at the positions in the combined rifle squads. 2. Execution of the COP 2.06(07).1.1 "Shooting from a standstill at an emerging target" and the COP 1.06.1.1 "Shooting from a standstill at a stationary target with PUS-7" from a 40 mm RPG-7 grenade launcher. 3. Practicing fire training standards No. 1, 2 for the 40 mm RPG-7 grenade launcher and fire training standards No. 26, 27, 28, 29 for the 5.45 mm AK-74 rifle. 4. Training in performing the duties of a rifle squad commander in organising and controlling squad fire Independent work. 1. Servicing the weapon after firing.
19	Practical session	7	6	1	**Lesson 6. Exercise control firing from a 5.45 mm AK-74 rifle (RPK-74 machine gun) and a 40 mm RPG-7 grenade launcher.** 1. Execution of the control firing exercise COP 3.01.1.1 "Shooting from a standstill at emerging targets with a change of firing position" with the 5.45 mm AK-74 rifle by positions in combined rifle squads. 2. Execution of the control firing exercise COP 3.06.2.1 "Shooting from a fixed position with a change of firing position at targets that appear and move , with RPG " by positions in combined rifle squads. 3. Training in performing the duties of a rifle squad commander in organising and managing squad fire. Independent work. 1. Servicing the weapon after firing.
20	Practical session	7	6	1	**Lesson 7. Execution combat firing exercises of combat groups (twos, threes) with an assault rifle, a handgun, a machine gun and an under-barrel grenade launcher.** 1. Execution of the live-fire exercise COP 6.18.2.2 "Firing as part of a machine gun crew". 2. Execution of the live-fire exercise COP 6.18.2.3 "Firing as part of a combat team in various ways" with the 5.45 mm AK-74 rifle. 3. Practicing firearms training standards No. 30, 31, 32, 33 with the 5.45 mm AK-74 rifle. 4. Solving firing tasks. Independent work.

1	2	3	4	5	6
					1. Servicing the weapon after firing.
21	Practical session	6	4	2	**Lesson 8. Exercise of training firing from 9 mm PM and Fort-14 pistols.** 1. Execution of the training exercise COP 2.12.1.1 "Shooting at a stationary target" with a 9 mm PM pistol and Fort-14. 2. Training in the implementation of firearms training standards No. 13, 14, 16 for the 9 mm PM pistol. Safety measures during practical shooting. 3. Fulfilment of firearms training standards No. 1, 2, 24, 25 for the 9 mm PM pistol and Fort-14 Independent work. 1. Servicing the weapon after firing.
22	**Final control**	**6**	**4**	2	**Credit**
Total for the discipline		**90**	**68**	**22**	

4.13. EP 1.13 "Fundamentals of military law and international humanitarian law"

General objective of the discipline

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

As a result of studying the discipline, students should:

to know:
the procedure for military service;
social and legal protection of military personnel and their families;
the procedure for bringing servicemen to administrative responsibility;
the procedure for bringing military personnel to financial responsibility;
the procedure for bringing military personnel to criminal liability;
the procedure for conducting an internal investigation in the Armed Forces of Ukraine;
requirements of international humanitarian law;
be able to:
conduct an internal investigation with the preparation of all necessary documents;
draw up a report on a military administrative offence;
to bring violators of military discipline in the unit to disciplinary, administrative and financial responsibility;
manage the unit in compliance with international humanitarian law.

Organisational and methodological guidelines

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

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

Information and methodological support

1. The Constitution of Ukraine.
2. On Military Duty and Military Service. Law of Ukraine, 1992 (as amended).
3. Regulations on the Military Service of Citizens of Ukraine in the Armed Forces of Ukraine. Decree of the President of Ukraine, 2022.
4. On Social and Legal Protection of Servicemen and Members of Their Families. Law of Ukraine, 1991 (as amended).
5. Statute of the Internal Service of the Armed Forces of Ukraine.
6. Disciplinary Statute of the Armed Forces of Ukraine.
7. Code of Ukraine on Administrative Offences.
8. On the Status of War Veterans and Guarantees of Their Social Protection. Law of Ukraine, 1993 (as amended).
9. Instruction on the Procedure for the Implementation of International Humanitarian Law in the Armed Forces of Ukraine. Approved by the Order of the Ministry of Defence of Ukraine of 23.03.2017 No. 164.
10. The Procedure for Conducting an Internal Investigation in the Armed Forces of Ukraine, approved by Order of the Ministry of Defence of Ukraine No. 608 21.11.2017 (registered with the Ministry of Justice of Ukraine on 13.12.2017 under No. 1503/31371).
11. Methodological Recommendations on Conducting an Internal Investigation (Inspection) in the Armed Forces of Ukraine (third edition), approved by the Commander-in-Chief of the Armed Forces of Ukraine on 10.2020.

Topics and allocation of class time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Under the guidance of the NPP, instructors	Independent work	
1	2	3	4	5	6
		3	**2**	**1**	**Topic 1. Military duty and military service.**
1	Lecture	2	2	1	**Lesson 1. The procedure for military service. Social and legal protection of servicemen and their families** 1. Types of military service. Peculiarities of military service by different categories of servicemen in peacetime and wartime. 2. The concept of the right to social protection. Benefits for servicemen and members of their families **Independent work.** 1. Peculiarities of military service by persons called up for mobilisation. 2. The age limit for military service under martial law.
		5	**4**	**1**	**Topic 2. Legal responsibility of military personnel.**
2	Group session	2	2	-	**Lesson 1. Administrative and material responsibility of military personnel.** 1. Peculiarities of administrative responsibility of military personnel. 2. Legal characteristics of military administrative offences. 3. The concept and grounds of liability. 4. Types of material liability. The procedure for compensation for material damage.
3	Lecture	3	2	1	**Lesson 2. Criminal liability of military personnel.** 1. Peculiarities of criminal liability of military personnel. 2. The concept, composition and types of military criminal offences. 3. Criminal law characteristics of certain military criminal offences. **Independent work.** 1. Physical or mental coercion. 2. Execution of a lawful order or instruction. 3. An act involving risk.
		2	**2**	**-**	**Topic 3. Service inspection and service investigation in the Armed Forces of Ukraine.**

1	2	3	4	5	6
4	Practical session	2	2	-	**Lesson 1. Methods of conducting an internal audit and internal investigation.** 1. The concept, tasks, grounds for appointment and peculiarities of an internal audit and internal investigation. 2. Taking written explanations (determining the list and content of questions) in the course of an internal audit and internal investigation into a given fact. 3. Procedure for conducting and documenting the results of an internal audit and internal investigation.
		3	**2**	**1**	**Topic 4. Application of international humanitarian law.**
5	Group session	3	2	1	**Lesson 1. Application of international humanitarian law.** 1. Determination of the legal status of participants in hostilities. 2. Prohibited means and methods of warfare. 3. Legal regime for the protection of war victims and prisoners of war. 4. 4. International legal protection of civilian objects and cultural property. 5. Watching the educational film "The Law of Armed Conflict" and analysing the violations of international humanitarian law. 6. Solving the tasks of the interactive primary curriculum on the law of war. 7. Responsibility for violations of international humanitarian law Independent work. 1. A civilian object during an armed conflict. 2. Protection of cultural property in the event of armed conflict. 3. Special measures to protect women.
6	**Final control**	**2**	**2**	**-**	**Credit**
Total for the discipline		**15**	**12**	**3**	

4.14. EP 1.14 "Intelligence Training"

General objective of the discipline

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

As a result of studying the discipline, students should:

to know:
military intelligence agencies of the unit, their capabilities in conducting intelligence;
types and methods of tactical reconnaissance, the procedure for conducting reconnaissance in a unit;
the organisational structure, weapons, equipment and tactics of units (squad, platoon, company) of the motorised rifle (tank) troops of the armed forces of the Russian Federation;
the main means of destruction used by the enemy in the war against Ukraine;
be able to:
organise and conduct reconnaissance in the unit;
select landmarks, determine their distances and draw a map of landmarks;
Identify and expose enemy objects, weapons and equipment;
assess the external environment and the enemy.

Organisational and methodological guidelines

The academic discipline "Intelligence Training" is closely interrelated with the academic discipline "General Tactics".
Lectures and group classes are conducted to study the organisation, tactics, tactical and technical characteristics and intelligence features of weapons and military equipment of the main units of the Russian Army (squad and company), as well as the basics of conducting reconnaissance, detecting and assessing the enemy in the unit.
Seminars and practical classes are held to consolidate and deepen the theoretical knowledge and practical skills acquired during lectures and group classes.
The final result of studying the discipline is the acquisition of theoretical knowledge of the organisation and tactics of enemy actions, as well as the basics of conducting reconnaissance in the unit.

Information and methodological support

1. Manual for studying the organisational structure of the units of the ground forces of the armed forces of the Russian Federation. - Kyiv: DIU, 2024. - 68 p.

2. Study guide. Intelligence and Foreign Armies. Part 2. Information work. - Zhytomyr: ZhVI, 2019. 124 p.

3. Study guide. Organisation, armament and basics of tactics of the motorised rifle units of the Land Forces of the Armed Forces of the Russian Federation: ZhVI, 2020. 351 p.

4. Handbook of the JFO participant. Arms and military equipment of the RF Armed Forces - Kharkiv: KHNUPS, 2020.

Topics and allocation of class time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
			Among them.		
1	2	3	4	5	6
		3	**2**	**1**	**Topic 1. Fundamentals of military reconnaissance**
1	Lecture	3	2	1	**Lesson 1. Tactical reconnaissance.** 1. Purpose, tasks, types, forces and means of tactical reconnaissance. 2. Methods of conducting military reconnaissance. 3. Military intelligence agencies. Independent work. 1. Purpose, tasks, types of tactical reconnaissance. 2. Military intelligence agencies and their characteristics.
		3	**2**	**1**	**Topic 2. Organisational structure and armament of motorised infantry (tank) units of the Russian armed forces**
2	Group session	3	2	1	**Lesson 1. Organisational and staffing structure, weapons and combat equipment of motorised infantry (tank) units of the Russian Armed Forces.** 1. Organisational and staffing structure of a motorised infantry (tank) division (crew), weapons and military equipment, their visual identification. 2. Organisational and staffing structure of a motorised infantry (tank) platoon, weapons and military equipment, their visual identification. 3. Organisational and staffing structure of a motorised infantry (tank) company, weapons and military equipment, their visual identification. Independent work. 1. Organisational and staffing structure of a motorised infantry (tank) platoon. 2. Organisational and staffing structure of a motorised infantry (tank) company.
		6	**4**	**2**	**Topic 3. Fundamentals of Combat by Motorised Rifle (Tank) Units of the Russian Armed Forces**

1	2	3	4	5	6
3	Group session	3	2	1	**Lesson 1. Motorised rifle (tank) units of the Russian Armed Forces in defence.** 1. Fundamentals of defensive combat of motorised infantry (tank) units of the Russian Armed Forces (purpose, conditions, types, tasks). 2. A motorised rifle unit in defence. 3. A motorised infantry (tank) platoon in defence. 4. A motorised infantry (tank) company in defence. Independent work. 1. A motorised infantry (tank) platoon in defence. 2. A motorised infantry (tank) company in defence.
4	Group session	3	2	1	**Lesson 3. Motorised rifle (tank) units of the Russian Armed Forces in the offensive.** 1. Fundamentals of offensive combat of motorised infantry (tank) units. 2. A motorised rifle squad in the offensive. 3. A motorised infantry (tank) platoon in the offensive. 4. A motorised infantry (tank) company in the offensive. Independent work. 1. A motorised infantry (tank) platoon in the offensive. 2. A motorised infantry (tank) company in the offensive.
5	**Final control**	**3**	**2**	**1**	**Credit**
Total discipline		**15**	**10**	**5**	

4.15. EP 1.15 "Fundamentals of organising and conducting warfare in the electromagnetic environment and cyberspace"

General objective of the discipline

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

As a result of studying the discipline, students should:

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

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

act in accordance with the requirements of the guidelines on the procedure for responding to cyber incidents in the information and communication systems of the Armed Forces of Ukraine.

Organisational and methodological guidelines

The academic discipline "Fundamentals of organising and conducting warfare in the electromagnetic environment and cyberspace" is closely interrelated with the academic discipline "Organisation of military communications".

Information and methodological support

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

Title of topics and distribution of study time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Under the guidance of the NPP, instructors	Independent work	Topic title and study questions
			Among them.		
1	2	3	4	5	6
		2	**2**	**-**	**Topic 1. Fundamentals of organising and conducting electronic warfare in the Armed Forces of Ukraine.**
1	Lecture	2	2	-	**Lesson 1. Fundamentals of electronic warfare organisation in the Armed Forces of Ukraine. Combat capabilities of electronic warfare forces and means.** 1. Definition, tasks and components of electronic warfare. The electronic warfare management system of the PC of Ukraine. 2. Organisational and staffing structure of the units of the SSR (type of the Armed Forces of Ukraine). 3. Theoretical foundations of electronic jamming of radio communications, UAVs and radar. 4. Purpose and main tactical and technical characteristics of the equipment of the electronic warfare unit. Tasks and combat capabilities of the electronic warfare unit. 5. Options for building combat formations of an electronic warfare unit of a military unit (brigade) in defence and offence.
		4	**4**	**-**	**Topic 2. Organisation of the use of electronic warfare units**
2	Lecture	2	2	-	**Lesson 1. Organisation of the use of electronic warfare units.** 1. Planning of radio jamming by the EW unit (by area of activity). 2. Planning of the use of the electronic protection unit (by area of activity). 3. Planning the use of an electronic warfare support unit from a military unit (by area of activity).
3	Group session	2	2	-	**Lesson 2. Planning the use of electronic warfare units.** 1. The list of documents to be worked out in the course of planning radio suppression and their content. 2. Measures to ensure radio electronic protection of the command and control systems of troops and weapons (radio electronic means) of the military unit. 3. Electronic warfare support capabilities and their tasks for planning the use of military units.

1	2	3	4	5	6
		6	**6**	**-**	**Topic 3. Fundamentals of organising and conducting cyber actions to obtain information about the enemy**
4	Lecture	2	2	-	**Lesson 1. Wi-Fi and Bluetooth wireless access technologies: basics of application and features of operation**. 1. Basic principles of wireless access technologies and cellular networks. Parameters and characteristics of network signals. 2. Features of wireless technologies and cellular networks
5	Practical session	2	2	-	**Lesson 2. The basics of cyber intelligence in relation to Wi-Fi and Bluetooth wireless access technologies.** 1. Scans the radio frequency spectrum of Wi-Fi and Bluetooth wireless access technologies to detect the presence of access points and radiation sources. 2. Basic principles of conducting actions in cyberspace in relation to enemy reconnaissance assets in mobile cellular networks, Wi-Fi, Bluetooth networks.
6	Group session	2	2	-	**Lesson 3. Basic principles of using methods and tools for searching for information in open sources**. 1. Identification of intelligence sources. 2. Use of information retrieval methods and tools. 3. Analysis of the results.
7	**Final control**	**3**	**2**	**1**	**Credit**
Total for the discipline		**15**	**14**	**1**	

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

General objective of the discipline

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

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

to know:
purpose, composition, principles of operation of unmanned systems on the example of unmanned aircraft systems of tactical classes;
operating rules and restrictions on UAVs and target loads;
the basics and procedure for preparing for the use of tactical class UAVs;
main tactical and technical characteristics of the regular UAVs of the air force, the armed forces, the army, artillery and reconnaissance units of the armed forces of Ukraine and the armed forces of the Russian Federation;
be able to:
to prepare for the use and use of copter-type UAVs;
organise data transfer from the BpAC;
use Kropyva software to determine coordinate information;
to act individually and as part of a unit when planning to use tactical-class UAVs.

Organisational and methodological guidelines

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

Information and methodological support

1. Guidelines for the combat use of Class I UAVs in the Armed Forces of Ukraine (Order of the General Staff of the Armed Forces of Ukraine No. 379DSK 09.12.2021).
2. Fundamentals of construction of unmanned robotic systems for special purposes: a textbook / Y.G. Danik, P.P. Topolnitsky, I.V. Puleko, P.V. Pozdnyakov, A.V. Rodionov, M.V. Bugayov - Zhytomyr: ZhVI, 2016. - 306 p.

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

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

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

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

Topics and allocation of class time by type of class

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and study questions
			Under the guidance of the NPP, instructors	Independent work	
1	2	3	4	5	6
		7	6	1	**Topic 1. Technical training**
1	Lecture	2	2		**Lesson 1. Current state and prospects for the development of tactical unmanned systems.** 1. The role and place of the discipline "Fundamentals of the use of tactical class unmanned systems" in the system of training of officers. 2. Current state, types and classification of unmanned systems in the Armed Forces of Ukraine. 3. 3. The main guiding documents regulating the use of unmanned systems in the Armed Forces of Ukraine.
2	Lecture	2	2		**Lesson 2. Classification of unmanned systems.** 1. Classification of unmanned aerial systems. 2. Classification of ground robotic systems (platforms). 3. Classification of marine unmanned vehicles (systems, complexes). 4. 4. The main models of BPS used by units of the Armed Forces of Ukraine.
3	Group session	3	2	1	**Lesson 3. Components of UAVs and principles of UAV operation.** 1. Components of unmanned systems (on the example of UAVs). 2. Principles of operation of copter and aircraft-type UAVs. 3. External factors affecting UAV flight. 4. General characteristics of navigation systems used in unmanned systems. Independent work. 1. UAV controls, basic parameters of flight data and the procedure for its processing. 2. Development of a flight plan. 3. The main forms and methods of using unmanned systems.

1	2	3	4	5	6
		6	**4**	**2**	**Topic 2. Tactical and specialised training.**
4	Group session	3	2	1	**Lesson 1. The procedure for planning the use of UAVs. Types of reporting and information documents and the procedure for their execution based on the results of the use of unmanned systems.** 1. Features of planning the use of tactical class UAVs. 2. General approaches to drawing up a flight mission, development of planning documents for the use of UAVs. 3. Types of reporting and information documents (RIDs) and the procedure for their preparation. Independent work. 1. Features of the use of tactical class UAVs in combat conditions. 2. Features and procedure for decoding aerial reconnaissance materials. 3. Rehearsing options for conducting aerial reconnaissance and adjusting artillery fire using various types of UAVs
5	Practical session	3	2	1	**Lesson 2. Practice basic UAV control skills on a simulator for copter-type UAVs.** 1. Practice launching and landing a copter-type UAV. 2. Practicing basic flight procedures, including artillery fire correction using copter-type UAVs. Independent work. 1. Purpose and peculiarities of the use of the Kropyva SPZ by UAV crews. 2. The main types and capabilities of tactical-class regular UAVs in the Air Force, Special Forces, Combined Arms and Artillery units, and military reconnaissance units. 3. Preparation for the test in the discipline.
6	**Final control**	**2**	**2**		**Credit**
	Total for the discipline	**15**	**12**	**3**	

AF 1. COMBAT USE OF MECHANISED UNITS (BATTALION, SEPARATE BATTALION)

The general objective of the educational programme component:
Objective:
The purpose of teaching the discipline "Combat use of mechanised units (battalion, separate battalion)" at the courses is: to prepare a tactical-level military command officer who knows the principles of general combat, the provisions of combat regulations and guidelines, uses them during training and combat missions, is able to conduct tactical calculations, skilfully use the combat capabilities of units and organise interaction.

Knowledge:
principles of modern combined arms combat, provisions of combat regulations and guidelines, be able to creatively apply them when performing assigned tasks by units; basics of organising and conducting tactical operations of mechanised units; organisational and staff structure, purpose, basics of organising and conducting tactical operations of a mechanised brigade; experience of using units of the Armed Forces of Ukraine in the anti-terrorist operation.

Skills:
make decisions and manage units during combat missions; manage units in preparation for and during tactical operations; clarify tasks, assess the situation, formulate intelligence proposals in the main types of combat (tactical operations); be able to map decisions and set tasks to the extent necessary for units to perform their assigned tasks; gain skills in working with combat graphic and text documents, their design and maintenance.

Competencies:
MSC -1 Ability to apply knowledge of the typical organisational structure, weapons, military equipment and tactics of units up to and including battalion in order to perform tasks by reconnaissance units in the interests of units up to and including battalion and organise interaction between them.

Organisational and methodological guidelines:
Features of the methodology for conducting classes:

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

Practical session 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 formation 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 - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is a system of control and reporting on the quality of learning. The main goal is to ensure the level of knowledge and the strength of the skills and abilities they have developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

Information and methodological support:

Combat Statute of the Airborne Assault Forces of the Armed Forces of Ukraine, Part II, III - K.: KDSHV, AFU, 2023.

Provisional Combat Statute of the Mechanised Forces of the Land Forces of the Armed Forces of Ukraine. Part 1: Brigade, 2022

Doctrine "Land Forces of the Armed Forces of Ukraine" VKP 5-00(11)03.01, 2021

The Army Combat Statute "Structure and Functioning of Control Points in Operations", approved by the Order of the Land Forces Command of the Armed Forces of Ukraine on 20 November 2020, no. 893 dsk

Combat Statute of the Land Forces "Samples of Combat Reports", approved by the Order of the Command of the Land Forces of the Armed Forces of Ukraine on 29 April 2020, no. 319 dskDoctrine of Training of the State Defence Forces VKP 7-00(01).01, K. GUP AFU 2020

Instruction on the operational work of headquarters, part II (military unit), approved by the order of the Chief of the General Staff of the Armed Forces of Ukraine of 29.06.2016 No. 08

Temporary Procedure "Execution of Operational (Combat) Documents", VKDP 5(3)-00(01.02, approved by Order of the Commander-in-Chief of the Armed Forces of Ukraine No. 140 on 11 September 2020.

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

№ s/n	Types of training sessions, control measures	Total hours	of which.		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
Topic 1: Organisational and staffing structure of a mechanised (tank) battalion.					
2	Group session 1/1	3	2		**Lesson 1: Organisational and staffing structure of a mechanised (tank) battalion.** 1. Organisational and staffing structure of a mechanised battalion on an IFV. 2. Organisational and staffing structure of a mechanised battalion on an armoured personnel carrier. 3. Organisational and staffing structure of a tank battalion.
				1	**Independent work. Organisational and staffing structure of a mechanised (tank) battalion.** 1. Organisational and staffing structure of a mechanised battalion on an IFV. 2. Organisational and staffing structure of a mechanised battalion on an armoured personnel carrier. 3. Organisational and staffing structure of a tank battalion.
3	Group session 1/2	3	2		**Lesson 2: Weapons and military equipment of a mechanised (tank) battalion.** 1. Armament of a mechanised (tank) battalion. 2. Military equipment of a mechanised (tank) battalion.
				1	**Independent work. Organisational and staffing structure of a mechanised (tank) battalion.** 1. Armament of a mechanised (tank) battalion. 2. Military equipment of a mechanised (tank) battalion.
4	Group session 1/3	3	2		**Lesson 3. Mortar battery of a mechanised battalion.** 1. Organisational and staffing structure and weapons of a mortar battery. 2. Purpose and basics of combat operations of artillery units... 3. Types of combat missions of a mortar battery of a mechanised battalion to engage the enemy in the main types of combat.
				1	**Independent work. Organisational and staffing structure of a mechanised (tank) battalion.** 1. Organisational and staffing structure and weapons of a mortar battery.

					2. Purpose and principles of artillery units' combat operations. 3. Types of combat missions of a mortar battery of a mechanised battalion to engage the enemy in the main types of combat.
Total for topic 1		**9**	**6**	**3**	
Topic 2. Movement of a battalion (separate battalion).					
11	Group session 2/1	3	2		**Lesson 1: Modes of battalion movement and their characteristics.** 1. Types and methods of movement of units. Characteristics of ways of movement. 2. Organising the battalion's preparation for movement, depending on the chosen mode of movement. 3. Organisation and support of the battalion's entry and exit movements.
				1	**Independent work. Movement of a battalion (separate battalion).** 1. Types and methods of movement of units. Characteristics of ways of movement. 2. Organising the battalion's preparation for movement, depending on the chosen mode of movement. 3. Organisation and support of the battalion's entry and exit movements.
12	Group session 2/2	3	2		**Lesson 2. Mechanised battalion on the march** 1. The basics of organising a battalion march. Requirements for the route of advance. 2. The order of organisation of the march in anticipation of meeting the enemy and engaging in combat or out of the threat of a collision with the enemy. Basic calculations of the march. 3. Organisation of marching guard in anticipation of meeting the enemy and engaging in combat or out of the threat of a collision with the enemy.
				1	**Independent work. Movement of a battalion (separate battalion).** 1. The basics of organising a battalion march. Requirements for the route of advance. 2. The order of organisation of the march in anticipation of meeting the enemy and engaging in combat or out of the threat of a collision with the enemy. Basic calculations of the march. 3. Organisation of marching guard in anticipation of meeting the enemy and engaging in combat or out of the threat of a collision with the enemy.
Total for topic 2		**6**	**4**	**2**	
Topic 3. Mechanised battalion in defence.					
14	Group session 3/1	3	2		**Lesson 1: A mechanised battalion in defence.** 1. Fundamentals of using a mechanised battalion in defensive combat. Features of preparation and conduct of positional and manoeuvre defence. 2. The battalion's defence area, its components and equipment requirements. 3. Combat guard of a mechanised battalion. 4. Defensive combat.

No	Session type				Content
				1	**Independent work. A mechanised battalion in defence.** 1. Fundamentals of using a mechanised battalion in defensive combat. Features of preparation and conduct of positional and manoeuvre defence. 2. The battalion's defence area, its components and equipment requirements. 3. Combat guard of a mechanised battalion. 4. Defensive combat.
16	Practical session 3/2	3	2		**Lesson 2. A mechanised battalion in defensive combat.** 1. Organisation and preparation of the battalion's defence area, its components and tactical standards for its equipment. 2.Draw up a scheme of defence of a mechanised battalion (combat order, system of strongholds and firing positions, system of fire, system of engineering barriers). Specify tactical standards.
				1	**Independent work. A mechanised battalion in defence.** 1. Fundamentals of using a mechanised battalion in defensive combat. Features of preparation and conduct of positional and manoeuvre defence. 2. The battalion's defence area, its components and equipment requirements. 3. Combat guard of a mechanised battalion. 4. Defensive combat.
Total for topic 3		**6**	**4**	**2**	
Topic 4. Mechanised battalion in the offensive.					
17	Group session 4/1	3	2		**Lesson 1 A mechanised battalion on the offensive.** 1. Fundamentals of using a mechanised battalion in an offensive battle. Peculiarities of preparing and conducting an offensive with a move from depth (on the move) or from a position of direct contact with the enemy... 2. The battalion's home area, its components and equipment requirements, and deployment boundaries. 4. 4. Conducting offensive combat.
				1	**Independent work. A mechanised battalion on the offensive.** 1. Fundamentals of using a mechanised battalion in an offensive battle. Peculiarities of preparing and conducting an offensive with a move from depth (on the move) or from a position of direct contact with the enemy... 2. The battalion's home area, its components and equipment requirements, and deployment boundaries. 4. Conducting offensive combat.
19	Practical session 4/2	3	2		**Lesson 2. A mechanised battalion on the offensive.** 1. Preparing and conducting an offensive with an advance from the depths (on the move) or from a position of direct contact with the enemy... 2) Draw up a scheme for the battalion's movement from the initial area, indicating all components and

				tactical standards for the designated boundaries. 3. Show on the diagram the combat tasks of the battalion in an attack from depth. Indicate tactical standards.
			1	**Independent work. A mechanised battalion on the offensive.** 1. Fundamentals of using a mechanised battalion in an offensive battle. Peculiarities of preparing and conducting an offensive with a move from depth (on the move) or from a position of direct contact with the enemy... 2. The battalion's home area, its components and equipment requirements, and deployment boundaries. 4. Conducting offensive combat.
Total for topic 4	**6**	**4**	**2**	
Controlling events	3		1	Preparing for the test.
		2		Credit
Total for the educational component	**30**	**20**	**10**	

AF 3. COMBAT USE OF TECHNICAL RECONNAISSANCE MEANS AND COUNTERING TECHNICAL RECONNAISSANCE MEANS

General objective of the educational programme component:
Objective:

The purpose of teaching the discipline "Combat use of technical reconnaissance means and counteraction to technical reconnaissance means" is to train a tactical level military command officer who knows the structure, forms and methods of combat use of technical reconnaissance means in service with military reconnaissance and special forces units and knows the basic methods of countering enemy technical reconnaissance means.

Knowledge:

knowledge of the composition, purpose, main characteristics and methods of combat use of technical reconnaissance means in service with reconnaissance units and subunits of the Armed Forces of Ukraine; knowledge of the procedure for preparing technical reconnaissance means for combat use, methods of their operation and maintenance.

Skills:

apply technical reconnaissance means to effectively perform reconnaissance tasks and transmit intelligence information; manage the activities of reconnaissance units and intelligence agencies when performing tasks using technical reconnaissance means.

Competencies:
MSC -3 The ability to use technical means of reconnaissance, communication and navigation, which are in service with reconnaissance units.

Organisational and methodological guidelines:
Features of the methodology for conducting classes:

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used during group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach 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 military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

Practical session 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 formation 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 - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Classes are held in specialised classrooms equipped with technical teaching aids.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

Information and methodological support:

Dushkin Y., Maksymenko Y., Chkalov A., Galaktionov M. Lecture notes "Optical and optoelectronic means of intelligence." - Odesa: VA, 2022. - 120 p.

"Observation Post" Manual, General Staff of the Armed Forces of Ukraine, All-Ukrainian Military-Civilian Union "Combat Brotherhood of Ukraine." - Odesa: VA, 2022. 145 p.

Dushkin Yu., Chkalov A., Tsapryka D., Galaktionov M. "Portable ground radar reconnaissance stations of the reconnaissance units of the Armed Forces of Ukraine", textbook: VA, 2022. 199 p.

Datsenko I., Sydorenko I., Stetsyk V., Dushkin Y., Maksymenko Y., et al. "Fundamentals of Training Sergeants of Military Reconnaissance Units", manual - Kyiv. DIU, 2020. 771 p.

Korotkikh M. Study guide "Navigation equipment" Odesa, VA, 2013.

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

№ s/n	Types of training sessions, control measures	Total hours	Audit hours	Independent work	Topic title and study questions
1	2	3	4	5	6
Topic 1: Optical means of reconnaissance.					
1	Group session 1/1	2	2		**Lesson 1: Optical means of reconnaissance of the** reconnaissance **units of the Armed Forces of Ukraine.** 1. The main models of optical reconnaissance equipment of the reconnaissance units of the Armed Forces of Ukraine. Purpose and capabilities of conducting reconnaissance with their help. 2. Preparation for the use and operation of optical reconnaissance means. Peculiarities of conducting surveillance with the help of optical reconnaissance means. 3. Procedure for determining distances to targets using optical reconnaissance means. Application of the "thousandth" formula. 3. The procedure for placing polar coordinates of objects and targets on the map and converting them to rectangular coordinates. 4. Peculiarities of conducting surveillance and determining the coordinates of targets based on the experience of using reconnaissance units in combat missions.
2	Practical session 1/2	2	2		**Lesson 2: Training in determining distances to targets using optical reconnaissance means.** 1. Peculiarities of determining distances to targets using the "thousandth" formula when using optical reconnaissance means. 2. Practical session in determining distances to targets using the "thousandth" formula when using optical reconnaissance means.
Total for topic 1		**4**	**4**		
Topic 2. Observation post.					
3	Group session 2/1	2	2		**Lesson 1: Observation post.** 1. Purpose, composition and tasks of the observation post. 2. Duties of the officials of the observation post. 3. Selection of the location, types of observation post, its equipment and camouflage.
4	Group session 2/2	2	2		**Lesson 2: Procedure for conducting reconnaissance by the personnel of the observation post.** 1. The procedure for drawing up a terrain diagram, the peculiarities of marking landmarks on the diagram and how to determine their polar coordinates.

				2. Observation log and the procedure for its maintenance. 3. Report on the results of the observation. 4. Peculiarities of conducting reconnaissance by the personnel of the observation post during the day and at night.
5	Practical session 2/3	4	4	**Lesson 3: Reconnaissance by the personnel of the observation post.** 1. Select a location for the observation post. 2. Practical arrangement and disguise of the observation post. 3. Observing and determining the polar and rectangular coordinates of landmarks and targets, marking them on a map (diagram). Keeping an observation log. 4. 4. Report on the results of the observation.
Total for topic 2		**8**	**8**	
Topic 3: Optoelectronic means of reconnaissance				
6	Group session 3/1	2	2	**Lesson** 1. Purpose and tactical and technical characteristics of the laser reconnaissance device LPR-1 "KARALON". 2. Complete set of LPR-1 "Caralon". 3. Controls of the laser reconnaissance device LPR-1 "KARALON". 4. Information board of the left eyepiece LPR-1 "KARALON". 5. The procedure for determining the direction using an angle measuring device. 6. Maintenance of the laser reconnaissance device LPR-1 "KARALON". 7. Safety measures during operation of the LPR-1 "KARALON".
7	Group session 3/2	2	2	**Lesson 2. Laser rangefinders of reconnaissance units.** 1. Purpose, tactical and technical characteristics, equipment and procedure for the use of the automated reconnaissance complex SN-4003. 2. Purpose, tactical and technical characteristics, equipment and procedure for use of the quantum rangefinder KTD-2. 3. Modern rangefinders used during combat missions.
8	Practical session 3/3	4	4	**Lesson 3: Combat use of laser rangefinders.** 1. Combat use of the laser reconnaissance device LPR-1 "KARALON-M". 2. Combat use of the KTD-2 quantum rangefinder. 3. Combat use of the automated reconnaissance complex AKR SN-4003 "BASALT". 4. Combat use of modern laser rangefinders. 5. Determining the polar and rectangular coordinates of targets, marking targets on a map (diagram).
Total for topic 3		**8**	**8**	
Topic 4. Night and thermal imaging reconnaissance equipment.				
9	Group session	2	2	**Lesson** 1: Night Reconnaissance Devices.

	4/1				1. The principle of operation of night reconnaissance devices. 2. Purpose, tactical and technical characteristics, equipment, controls and procedure for the use of BN-1 "BLIK", BN-2 "RELIC", 3. Purpose, tactical and technical characteristics, equipment, controls and procedure for use of PVS-7, AN/PVS-14. 4. Purpose, tactical and technical characteristics, equipment, controls and procedure for using the B31U night vision binocular. 5. Purpose, tactical and technical characteristics, equipment, controls and procedure for using the ARCHER NVGA-15 night binocular. 6. Purpose, tactical and technical characteristics, equipment, controls and procedure for use lightweight universal surveillance system LUNOS. 7. Purpose, tactical and technical characteristics, equipment, controls and procedure for the use of GPNVG-18.
10	Group session 4/2	2	2		**Lesson 2: Thermal imaging reconnaissance devices.** 1. The principle of operation of thermal imaging reconnaissance devices and safety measures during their operation. 2. Purpose, tactical and technical characteristics, equipment, controls and procedure for using PULSAR XQ-50F, PULSAR XQ-50. 3. Purpose, tactical and technical characteristics, equipment, controls and procedure for using the ARCHER TMA-55L thermal imaging monocular. 4. Purpose, tactical and technical characteristics, equipment, controls and procedure for use of the combined surveillance device PS-04. 5. Modern thermal imaging reconnaissance devices, features and procedure of their combat use based on the experience of combat operations.
11	Practical session 4/3	4	4		**Lesson 3: Combat use of night and thermal imaging reconnaissance equipment.** 1. Combat use of night reconnaissance assets. 2. Combat use of thermal imaging reconnaissance means.
Total for topic 4		**8**	**8**		
Topic 5. Navigation equipment					
12	Group session 5/1	2	2		**Class 1: Modern satellite navigation systems and navigation devices.** 1. General information about the organisation of the satellite navigation system. 2. Modern satellite navigation systems of the world's leading countries. 3. Navigation equipment set SN 3003 "BASALT". Purpose of specifications and capabilities. 4.Individual navigation device CH 3003MN "BASALT-M". Designation of technical specifications and capabilities.

				5. The procedure for the combat use of modern navigation devices in reconnaissance.
13	Practical session 5/2	2	2	**Lesson 2: Combat use of navigation equipment.** 1. Determine the location coordinates using modern navigation devices. 2. Determine the current coordinates, direction and speed. 3. Drive along the route using modern navigation devices.
Total for the topic 5		**4**	**4**	
Topic 6. Radar reconnaissance means.				
14	Group session 6/1	2	2	**Lesson 1: 112L1 Badger ground-based radar. Main specifications, purpose, equipment and procedure for combat use in solving reconnaissance tasks.** 1. Purpose and tactical and technical characteristics of the 112L1 Borsuk ground-based radar. 2. Complete set of 112L1 "Badger" ground-based radar. 3. Controls of the 112L1 Badger ground-based radar. 4. Preparing for operation, switching on and off, checking the product's performance. 5. The procedure for searching and determining coordinates in different operating modes.
15	Group session 6/2	2	2	**Lesson 2: GO 12 ground-based radar.** 1. Purpose, tactical and technical characteristics and equipment of the GO 12 ground-based radar. 2. Controls of the ground-based radar "GO 12". 3. Preparing the GO 12 for operation, switching it on and off, checking its performance. 4. The procedure for searching and determining coordinates in different operating modes.
16	Practical session 6/3	2	2	**Lesson 3: Combat use of radar reconnaissance equipment.** 1. Combat use of the 112L1 Badger ground-based radar. 2. Combat use of the GO 12 ground-based radar.
Total for topic 6		**6**	**6**	
Topic 7. Radio technical means of reconnaissance.				
17	Group session 7/1	2	2	**Lesson 1: Small-sized tactical radio reconnaissance system "PLASTUN - RP".** 1. Purpose, main technical characteristics and reconnaissance capabilities of the small-sized tactical radio reconnaissance system "PLASTUN-RP". 2. Completeness of the small-sized tactical radio reconnaissance system "PLASTUN - RP". 3. Controls of the small-sized tactical radio reconnaissance system "PLASTUN - RP". 4. Procedure for the combat use of the small-sized tactical radio reconnaissance system "PLASTUN - RP".
18	Group session 7/2	2	2	**Lesson 2. VHF radio interception device based on SDR technology "MALVA".** 1. Purpose, main technical characteristics and reconnaissance capabilities of the MALVA product. 2. Description and operation of the MALVA product. 3. Preparation of the MALVA product for combat use.

				4. How to work with the MALVA product software application.
19	Group session 7/3	2	2	**Lesson 3: Complex of radio technical reconnaissance means (CTR).** 1. Purpose, technical specifications, equipment and reconnaissance capabilities of the vehicle. 2. Controls of the radio reconnaissance vehicle. 3. The procedure for deploying (folding) the CTV and its combat use.
Total for topic 7		**6**	**6**	
Topic 8: Countering foreign technical intelligence assets.				
20	Group session 9/1	2	2	**Lesson 1: Characteristics, main specifications and capabilities of foreign technical intelligence assets.** 1. Classification of foreign technical intelligence. 2. Foreign technical means of intelligence. Main technical characteristics and capabilities of reconnaissance. 3. The main directions of development of foreign technical intelligence. 4. Indicators for assessing the capabilities of foreign technical intelligence.
Total for topic 8		**2**	**2**	
Controlling events		**2**	**2**	**Credit**
Total for the educational component		**48**	**48**	

AF 4. ORGANISATION OF INTELLIGENCE AND INFORMATION ACTIVITIES

The general objective of the educational programme component:

Objective:

The purpose of teaching the discipline "Organisation of Intelligence and Information Activity" is to prepare a tactical-level military command officer who knows the basics of organising information work in tactical and operational level intelligence units of the Armed Forces of Ukraine, knows modern ways and methods of obtaining information, can analyse, systematise, summarise, assess the importance and practically compile intelligence documents, be able to identify intelligence objects by their characteristics, methods of activity of troops on

Knowledge:

the procedure for organising intelligence support during the planning and execution of tasks; requirements of guiding documents for the development of information (reporting and information documents) of the intelligence agency; the procedure for planning and collecting intelligence; guiding documents for planning and conducting intelligence and information work in a military unit; requirements of guiding documents for organising document flow; methods of analysing tasks and intelligence, possible sources and means of obtaining information; requirements of guiding documents

Skills:

to organise the intelligence and information work of the unit, for the effective use of forces and means in the performance of assigned tasks, to maintain documentation of the intelligence (intelligence and information) unit of the headquarters of the military unit (subunit); to analyse tasks and information, to take into account the peculiarities of the situation (agent-operational situation) and the theatre of war in the interests of making decisions on planning and conducting intelligence; to process information, determine its reliability, completeness and priority, to

Competencies:

PCK -4   Ability to develop information (reporting) documents of the unit (body, military unit).

HCI -5 Ability to plan the collection of intelligence information (data), develop an intelligence collection plan and monitor its implementation.

Organisational and methodological guidelines:

Features of the methodology for conducting classes:

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

Practical session 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 formation 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 - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is a system of control and reporting on the quality of learning. The main goal is to ensure the level of knowledge and the strength of the skills and abilities they have developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

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Information and methodological support:

The Combat Statute of the Mechanised and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part II (Company Battalion). K.: KSV ZSU, 2016.

Training organisational and staffing structure of the units of the Armed Forces of Ukraine. - Odesa: OISV, 2005. 88 p.

Organisation, armament and tactics of actions of units of a probable enemy. - Odesa: OISV, 2005. 67 p.

Development of views on the preparation and conduct of special operations in the Armed Forces. Study guide. - Sumy: "Mriya-1, LTD, 2004. 152 p.

Current information materials of the Defence Intelligence of Ukraine.

Periodicals: "Viysko Ukrainy".

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

№ s/n	Types of training sessions, tests events	Total hours	Audit hours	Independent work	Topic title and study questions
			of which.		
Section 1. Organisation and conduct of information and analytical activities.					
Topic 1: Information and Analytical Activities in the System of Special and Military Intelligence.					
1	Lecture 1/1	2	2		**Lesson 1: Subject of the course "Organisation of Intelligence and Information Activities".** 1. The subject and structure of the discipline and its role in the training of the commander of an intelligence and analytical unit. Interrelation with other disciplines, recommendations for independent learning. 2. The legislative framework of Ukraine and NATO countries on the organisation and conduct of information and analytical activities. 3. Information and analytical activities: basics of methodology (based on NATO experience and standards).
2	Lecture 1/2	2	2		**Lesson 2. The role and place of information activities as an integral part of intelligence.** 1. Organisational, moral and psychological aspects of intelligence and information activities. 2. Analyst competencies.
3	Lecture 1/3	2	2		**Lesson 3: The process of intelligence activities.** 1. The nature and content of military information and requirements for it. 2. Intelligence activities and their components. 3. The cycle of intelligence activities.
4	Group session 1/4	2	2		**Lesson 4. Disciplines of intelligence activities.** 1. HUMINT. 2. IMINT. 3. SIGINT. 4. MASINT 5. OSINT. 6. CI. 7. Sources of intelligence.
Total for topic 1		**8**	**8**		

Topic 2. Intelligence Objects and Assessment of Foreign Armed Forces.					
5	Lecture 2/1	2	2		**Lesson 1: Intelligence Objects as a Subject of Intelligence Activity.** 1. The essence and content of the concept of "Intelligence Object". Classification of objects. 2. Structure of intelligence objects and their general characteristics. Content of information about the objects. 3. Protection of troops and facilities and counter-intelligence in foreign armies.
6	Group session 2/2	2	2		**Lesson 2: Typology of intelligence features.** 1. Physical features of objects and the specifics of their manifestation: heat transfer, sound, appearance, colour, etc. 2. Structural features and specifics of their manifestation: conditional distinctions, honours, country affiliation, number of elements. 3. Tactical features and specifics of their manifestation: location, place in the combat order, use of terrain, etc. 4. Main characteristics of intelligence features of objects and activities of troops.
7	Lecture 2/3	4	2		**Lesson 3. Methods of assessing the armed forces of foreign countries. Assessment and forecasting of the military-political situation.** 1. General assessment of the Armed Forces of foreign countries. 2. Assessment of the mobilisation capabilities of the armed forces of foreign countries. 3. Assessment of operational and combat training of the Armed Forces of foreign countries. 4. The essence of the military-political situation and its classification. 5. The main content and sequence of IDP assessment.
				2	**Intelligence targets and assessment of foreign armed forces.** 1. General assessment of the Armed Forces of foreign countries. 2. Assessment of the mobilisation capabilities of the armed forces of foreign countries. 3. Assessment of operational and combat training of the Armed Forces of foreign countries. 4. The essence of the military-political situation and its classification. 5. The main content and sequence of IDP assessment. 6. Preparation for the seminar
8	Seminar 2/4	4	4		**Lesson 4. Assessment of IDPs in a particular country and region.** 1. IDPs directly related to the region. 2. Tactics of illegally created armed groups. 3. Conditions for the creation, preparation for combat operations (terrorist acts, sabotage) and tactics of illegally created armed groups.
Total for topic 2		**12**	**10**	**2**	

	Section 2. Methodology of information and analytical activities.				
	Topic 3. General research methods in intelligence and information activities.				
9	Lecture 3/1	2	2		**Lesson 1: General research methods in intelligence and information activities.** 1. Methods of collecting and summarising information. 2. Working with information sources.
10	Lecture 3/2	2	2		**Lesson 2. Working with information sources.** 1. Assessment and verification of the source of evidence. 2. Assess the reliability of the source and the information for accuracy.
11	Practical session 3/3	4	4		**Lesson 3. Application of information pre-processing methods.** 1. Evaluation of sources and information. 2. Business game (information, intelligence, disinformation, information noise).
12	Practical session 3/4	4	4		**Lesson 4. Preliminary information processing.** 1. Methods of analysing relationships in information processing. 2. Analysis of information from various sources.
13	Lecture 3/5	2	2		**Lesson 5. Analysis of existing methods of information processing**. 1. Mental maps. 2. Method of studying chronology, 3. The Link Analysis method of link analysis.
14	Practical session 3/6	4	4		**Lesson 6. Practical application of general research in intelligence and information activities.** 1. Mental maps. 2. Method of studying chronology, 3. The Link Analysis method of link analysis.
Total for topic 3		**18**	**18**		
Controls events		**4**	**4**		**Credit**
Total for the educational component		**42**	**40**	**2**	

AF 5. ARMAMENT OF COMBAT VEHICLES, UNITS AND FIRE TRAINING

General objective of the educational programme component:

Objective:

The purpose of teaching the discipline "Armament of combat vehicles, units and firearms training" is to prepare a tactical level military command officer who knows the general structure of armament of combat vehicles (units) and firearms training, methods of preparation and bringing to normal combat, operation of armament of combat vehicles (units) in service with military reconnaissance and special forces units.

Knowledge:

general structure, armament of the combat reconnaissance vehicle BRM-1K, which is in service with the reconnaissance units of the Armed Forces of Ukraine; general structure, armament of the armoured personnel carrier BTR-80, which is in service with the reconnaissance units and units of the Special Forces of the Armed Forces of Ukraine; basics and rules of firing of weapons of combat vehicles; basics of fire control of the unit in combat; methods of conducting practical fire training exercises.

Skills:

organise sighting, combat checks and bringing twin machine guns and main armament of combat vehicles to normal operation; organise fire training; organise and conduct small arms and melee fire exercises; organise and conduct post-firing maintenance of weapons; control the fire of the unit in defence.

Competencies:

MSC -6 Ability to prepare and use firearms in service with reconnaissance units: small arms, collective weapons, anti-tank weapons, armament of combat vehicles, as well as advanced combat vehicles with and without targeting devices, night vision, thermal imaging, mortars (including foreign models). To carry out fire control.

Organisational and methodological guidelines:

Features of the methodology for conducting classes:

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

Practical session 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 formation 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 - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Classes are held in specialised classrooms equipped with technical teaching aids.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

Information and methodological support:
DSTU V 3576-97. Operation and repair of military equipment. Terms and definitions.
Armoured personnel carrier BTR-80. Structure and basics of operation. The Lviv 2012 military exercise
BTR-3DA armoured personnel carrier "Operation Manual" B1352 RE-LU 2015
Handbook of the Armoured Service of the Armed Forces of Ukraine 2013. 133 pp.
Armoured weapons. Study guide. Military Academy.
Management of technical support of units of the Armed Forces of Ukraine part 2. MOD Odesa-2011.
Structure and operation of basic armoured vehicles. The Lviv Defence University 2012.
Military repair of weapons and military equipment. IOU OISV-2004.
Evacuation of weapons and military equipment Odesa 2004 NC BZ SV 116 p.

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

No. s/n	Types of training sessions, control measures	Total hours	Audit hours	Independent work	Topic title and study questions
1	2	3	4	5	6
					Section 2. Methods of firearms training.
					Topic 2. Methodological training of unit commanders in fire training.
2	Group session 2/2/1	4	2		**Lesson 1: General provisions.** 1. Objectives of firearms training and forms of training. 2. Principles and methods of teaching. 3. General requirements for firearms training.
				1	**Independent work. Methodological training of unit commanders in firearms training.** 1. Organisation of firearms training classes. 2. Methodological skills. 3. Forms of firearms training.
3	Group session 2/2/2	4	2		**Lesson 2: Small arms and combat vehicle shooting course.** 1. Purpose and structure of the shooting course. 2. General provisions, requirements for the organisation, procedure and security measures during the firearms training and shooting. 3. The procedure for determining the individual firearms training assessment.
				1	**Independent work. Methodological training of unit commanders in firearms training.** 1. Rules for marking course of fire exercises. 2. Organisation and conduct of shooting. 3. Procedure and conditions for performing small arms firing exercises.
Total for topic 2		**6**	**4**	**2**	
Section 3. Armament of combat vehicles.					
Topic 3: Armament of the BRM-1K combat reconnaissance vehicle.					
3	Group session 3/3/1	4	2		**Lesson 1: BRM-1K combat reconnaissance vehicle.** 1. Tactical and technical characteristics, deployment of personnel. 2. Placement of elements of the weapon system. Ammunition and its placement in the vehicle.

				3. 3. Guidance drives.
			2	**Independent work. Armament of the BRM-1K combat reconnaissance vehicle.** 1. Purpose and combat capabilities of the BRM-1K . 2. Load the ammunition into the machine. 3. 3. Guidance drives.
4	Group session 3/3/2	4	2		**Lesson 2. 73 mm 2A28 gun.** 1. Purpose, combat characteristics, general structure and principle of operation of the gun. 2. Incomplete disassembly and assembly of the 2A28 gun 3. The procedure for preparing the gun for firing.
				2	**Independent work. Armament of the BRM-1K combat reconnaissance vehicle.** 1. Interaction of gun parts. 2. Structure of the PG-15V, PG-15V shot. 3.Possible malfunctions of the gun during firing and ways to eliminate them.
5	Group session 3/3/3	4	2		**Lesson 3: 1PN22M2 sight.** 1. General structure, controls and characteristics of the 1PN22M2 sight. 2. Preparing the 1PN22M2 sight for operation in various modes. 3. Possible malfunctions of the scope and ways to eliminate them.
				2	**Independent work. Armament of the BRM-1K combat reconnaissance vehicle.** 1. General structure, controls and characteristics of the TKN-3B device 2. Preparing the TKN-3B sight for operation in various modes. 3. Possible malfunctions of the appliance and how to fix them.
6	Group session 3/3/4	4	2		**Lesson 4. Sight alignment and combat check and adjustment of the twin BRM-1K machine gun.** 1. Reconciliation against the reference target. 2. Procedure for checking the combat and bringing the PKT machine gun back to normal. 3. Construction of a control target BRM-1K.
				2	**Independent work. Armament of the BRM-1K combat reconnaissance vehicle.** 1. Verification of BRM-1K weapons at a remote point. 2. Crew actions during combat checks and bringing the PKT machine gun back to normal. 3. The procedure for filling in the documentation after bringing the PKT machine gun to normal operation.
Total for topic 3		**16**	**8**	**8**	
Section 4. Fire training and firing.					
Topic 4. Fire training. Performing firing exercises with weapons of combat vehicles.					
7	Practical session	4	2		**Lesson 1: Crew actions when arming combat vehicles.** 1. Training in crew actions when armed with BRM-1K

4/4/1				2. Fulfilment of firearms training standards 3. Sight alignment, firing check and bringing the twin machine gun to normal operation BRM-1K.
			2	**Independent work. Fire training. Performing firing exercises with weapons of combat vehicles.** 1. The procedure for crew actions when arming the BRM-1K. 2. Conditions of performance, procedure and timeframes of firearms training standards. 3. Building a control target and filling in the documentation after restoration to normal of machine gun fire.
Total for topic 4		**4**	**2**	**2**	

Section 5. Fundamentals and rules of shooting.

Topic 5. Fundamentals and rules of fire of combat vehicle weapons.

8	Group session 5/5/1	3	2		**Lesson 1: Rules of fire from the BRM-1K weapon.** 1. Rules for assigning initial settings. 2. Rules of fire from the BRM-1K weapon at emerging and moving targets. 3. Solving firing tasks.
				1	**Independent work. Fundamentals and rules of firing weapons of combat vehicles.** 1. Initial settings for the first shot. 2. Rules of firing from the 2A28 gun at long range. 3. Corrections for wind and target movement.
Total for the topic 5		**3**	**2**	**1**	

Section 6. Fire training and firing.

Topic 6: Fire training. Performing firing exercises with small arms and melee weapons.

9	Practical session 6/6/1	2	2		**Lesson 1: Techniques and methods of firing small arms and combat vehicles.** 1. Study of the main provisions of the Shooting Course. 2. Study of the conditions of firing exercises and safety measures. 3. Admission to shooting exercises.
10	Practical session 6/6/2	2	2		**Lesson 2: Techniques and methods of firing small arms and melee weapons during the day.** 1. Check the combat and bring the small arms to normal. 2. Performing a training exercise with the AKS (AK-TK) on high-speed firing. 3. Fulfilment of firearms training standards
11	Practical session 6/6/3	6	4		**Session 3: Techniques and methods of firing small arms and melee weapons at night.** 1. Performing a training exercise with the AKS (AK-TK) in high-speed firing. 2. Fulfilment of firearms training standards

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				2	**Independent work. Fire training. Performing firing exercises with small arms and melee weapons.** 1. Routine maintenance, cleaning, lubrication. 2. Control inspection of weapons.
Total for topic 6		**10**	**8**	**2**	
					Topic 7. Fire training. Performing firing exercises with weapons of combat vehicles.
12	Practical session 6/7/1	6	4		**Lesson 1: Crew actions when arming combat vehicles.** 1. Training in crew actions when armed with BRM-1K, performing a preparatory exercise for the exercise training firing from the BRM-1K weapon on the spot at emerging targets. 2. Fulfilment of firearms training standards 3. Sight alignment, combat check and bringing the twin machine gun to normal operation BRM-1K.
				2	**Independent work. Fire training. Performing firing exercises with weapons of combat vehicles.** 1. Routine maintenance, cleaning, lubrication. 2. Control inspection of weapons.
13	Practical session 6/7/2	6	4		**Lesson 2: Techniques and methods of firing from weapons of combat vehicles during the day.** 1. Sight alignment, firing check and adjustment of twin machine guns to normal operation BRM-1K. 2. Performing a training exercise with the BRM-1K. 3. Fulfilment of firearms training standards.
				2	**Independent work. Fire training. Performing firing exercises with weapons of combat vehicles.** 1. Routine maintenance, cleaning, lubrication. 2. Control inspection of weapons.
14	Practical session 6/7/3	2	2		**Lesson 3: Techniques and methods of firing from weapons of combat vehicles at night.** 1. Performing a training exercise with the BRM-1K. 2. Fulfilment of firearms training standards
Total for topic 7		**14**	**10**	**4**	
Section 7. Armament of combat vehicles.					
Topic 8: Armament of the BTR-80 armoured personnel carrier.					
15	Group session 7/8/1	4	2		**Lesson 1: BTR-80 armoured personnel carrier.** 1. Armament of the BTR-80 armoured personnel carrier. Turreted machine gun mount BPU-1. 2. Ammunition of the APCS-80 and its placement in the vehicle. 3. Purpose, general structure and location of the 902B system.
				1	**Independent work. Armament of the armoured personnel carrier BTR-80.** 1. Guidance mechanisms. 2. Composition and placement of electrical equipment.

					3. Possible malfunctions of the turret and ways to eliminate them.
16	Group session 7/8/2	4	2		**Lesson 2: Sight and observation devices of the APCS-80.** 1. Composition and placement of sighting and observation devices. 2. Purpose, characteristics and general structure of the 1PZ-2 (1PZ-7) sight. 3. Preparing the 1PZ-2 sight for operation. Possible malfunctions of the 1PZ-2 and ways to eliminate them.
				1	**Independent work. Armament of the armoured personnel carrier BTR-80.** 1. The procedure for servicing sighting and observation devices. 2. Rules of operation of the 1PZ-2 (1PZ-7) sight in night conditions. 3. Possible malfunctions of the 1PZ-2 and ways to eliminate them.
17	Group session 7/8/3	4	2		**Lesson 3: TKN-3.** 1. Purpose, characteristics and general structure of the TKN-3 monitoring device. 2. Tank searchlight OU-3GA. 3. Preparation for operation of the TKN-3 and OU-3GA, possible malfunctions of the device and ways to their elimination.
				2	**Independent work. Armament of the armoured personnel carrier BTR-80.** 1. Rules of operation of the TKN-3 surveillance device sight in night conditions. 2. Features of using the OU-3GA searchlight. 3. Spare parts and accessories for the TKN-3 and OU-3GA.
18	Group session 7/8/4	4	2		**Lesson 4. 14.5 mm heavy machine gun KPVT.** 1. Purpose, combat characteristics, general structure and principle of operation of the machine gun. 2. Purpose and general structure of the main parts and mechanisms of the machine gun. Operation of parts and the mechanisms of the machine gun during loading and firing. 3. The procedure for incomplete disassembly and assembly of the machine gun.
				2	**Independent work. Armament of the armoured personnel carrier BTR-80.** 1. Interaction of machine gun parts and mechanisms during firing. 2. Delays in firing and ways to eliminate them. 3. Conditions of performance, time indicators and procedure for incomplete disassembly and assembly of the machine gun.
19	Group session 7/8/5	4	2		**Lesson 5. Combat check and bringing the APCS-80 armament to normal operation.** 1. Check the alignment and alignment of the machine guns and sights against a test target. 2. Procedure for checking machine gun fire and bringing the BFU to normal combat. 3. Construction of a control and verification target BTR-80
				2	**Independent work. Armament of the armoured personnel carrier BTR-80.** 1. Alignment of machine guns and sights at a remote point.

					2. Actions of the crew during the check of machine gun fire and bringing the UAV to normal combat. 3. The procedure for filling in the documentation after bringing machine guns to normal combat.
Total for topic 8		**18**	**10**	**8**	

Section 8. Fire training and firing.

Topic 9: Fire training. Performing firing exercises with weapons of combat vehicles.

20	Practical session 8/9/1	4	2		**Lesson 1: Crew actions when arming combat vehicles.** 1. Training in crew actions when armed with BTR-80. 2. Fulfilment of firearms training standards 3. Checking the battle and bringing the APCS-80 armament to normal operation.
				2	**Independent work. Fire training. Performing firing exercises with weapons of combat vehicles.** 1. Procedure for crew actions when arming BTR-80. 2. Conditions of performance, procedure and timeframes of firearms training standards. 3. Construction of a control target and completion of documentation after bringing the machine guns back to normal.
Total for the topic 9		**4**	**2**	**2**	

Section 9. Fundamentals and rules of shooting.

Topic 10. Fundamentals and rules of fire of combat vehicle weapons.

21	Group session 9/10/1	3	2		**Lesson 1: Rules of fire from the BTR-80 armoured personnel carrier.** 1. Rules for assigning initial settings. 2. Rules of fire from the BTR-80 armament against moving and emerging targets. 3. Solving firing tasks.
				1	**Independent work. Fundamentals and rules of firing weapons of combat vehicles.** 1. Initial settings for the first shot. 2. Corrections for wind and target movement. 3. Solving firing tasks.
Total for the topic 10		**3**	**2**	**1**	

Section 10. Structure of weapons and means of close combat.

Topic 11: Arming units.

22	Group session 10/11/1	3	2		**Class 1: Anti-tank missile system 9K111.** 1. Purpose, general structure of the 9K111 complex. 2. Purpose, technical characteristics of the 9P135M launcher, its general structure of the main parts and how they work. 3. Purpose, combat characteristics, general structure and principle of operation of the 9M111 anti-tank missile (9M111-2, 9M113).

				1	**Independent work. Arming units.** 1. Procedure for transferring the 9K111 complex to the combat position. 2. Peculiarities of using the 9K111 complex at night. 3. Delays in firing and the procedure for their elimination.
Total for the topic 11		**3**	**2**	**1**	
Section 11: Fire training and firing.					
Topic 12: Fire training. Performing firing exercises with small arms and melee weapons.					
23	Practical session 1/12/1	3	2		**Lesson 1: Preparing the ATGM for firing.** 1. Training in the performance of H-Vp-1, 2. 2. Training in launching and targeting. 3. Verification of the 9K111 ATGM. 4. Training on the UTS 111-1, Corsair.
				1	**Independent work. Fire training. Performing firing exercises with small arms and melee weapons.** 1. Routine maintenance, cleaning, lubrication. 2. Control inspection of weapons.
Total for the topic 12		**3**	**2**	**1**	
Section 12. Fire control.					
Topic 13. Fire control of a squad in combat.					
24	Group session 12/13/1	3	2		**Lesson 1: Fundamentals of fire control.** 1. The essence of fire control and its organisation. 2. Basic fire control measures during combat. 3. Fire as a way to destroy the enemy.
				1	**Independent work. Fire control of a unit in combat.** 1. Manoeuvre with fire. 2. The unit's fire system.
25	Group session 12/13/2	3	2		**Lesson 2: Organisation of group fire in an ambush.** 1. The work of the fire team commander. 2. Fold the fire card. 3. The procedure for assigning landmarks.
				1	**Independent work. Fire control of a unit in combat.** 1. Measures to create a system of fire. 2. Determine the lane of fire. 3. Components of the fire card.
Total for the topic 13		**6**	**4**	**2**	
Section 13. Fire training and firing.					

					Topic 14: Fire training. Performing firing exercises with small arms and melee weapons.
26	Practical session 13/14/1	8		2	**Independent work. Fire training. Performing firing exercises with small arms and melee weapons.** 1. Study of the main provisions of the Shooting Course. 2. Study of the conditions of firing exercises and safety measures.
			4		**Lesson 1: Techniques and methods of firing small arms and melee weapons during the day.** 1. Check the combat and bring small arms and grenade launchers back to normal. 2. Performing a training exercise with the AKS (AK-TK) in high-speed firing. 3. Fulfilment of firearms training standards.
				2	**Independent work. Fire training. Performing firing exercises with small arms and melee weapons.** 1. Routine maintenance, cleaning, lubrication. 2. Control inspection of weapons.
Total for the topic 14		**8**	**4**	**4**	
					Topic 15: Fire training. Performing firing exercises with weapons of combat vehicles.
27	Practical session 13/15/1	4	4		**Lesson 1: Techniques and methods of firing from weapons of combat vehicles during the day.** 1. Checking the battle and bringing the APCS-80 armament to normal operation. 2. Performing a preparatory exercise of firing from an APCS-80. 3. Fulfilment of firearms training standards.
28	Practical session 13/15/2	6	4		**Lesson 2: Techniques and methods of firing from weapons of combat vehicles at night.** 1. Performing a training exercise with APCS-80. 2. Fulfilment of firearms training standards.
				2	**Independent work. Fire training. Performing firing exercises with weapons of combat vehicles.** 1. Routine maintenance, cleaning, lubrication. 2. Control inspection of weapons.
Total for the topic 15		**10**	**8**	**2**	
					Topic 16. Methods of conducting practical firearms training.
29	Practical session 13/16/1	4	4		**Lesson 1: Conducting an instructional and methodological session on fire control.** 1. Procedure for conducting fire control exercises. 2. The procedure for determining the grade for fire control exercises (training). 3. Requirements for the organisation and conduct of live-fire exercises and live-fire drills.
Total for the topic 16		**4**	**4**		
					Topic 17. Fire control in combat.
30	Practical session 13/17/1	4	4		**Lesson 1. The work of the squad leader in controlling the squad's fire in defence. (BSVid).** 1. Setting a combat task by the squad leader for defence.

				2. Setting tasks for the personnel and firepower of the squad. 3. Training in giving commands to open fire and setting fire objectives.
Total for the topic 17	**4**	**4**		
Controls events	**4**	**4**		Credit
Total for the educational component	**120**	**80**	**40**	

MS 6. STRUCTURE AND MAINTENANCE OF ARMOURED VEHICLES

The general objective of the educational programme component:

Objective:

The purpose of teaching the discipline "Structure and Maintenance of Armoured Vehicles" is to train a tactical-level military management officer who knows the general structure of armoured vehicles, methods of maintenance of armoured weapons and equipment in service with military reconnaissance and special forces units.

Knowledge:

the general structure of tracked combat vehicles in service with reconnaissance units of the Armed Forces of Ukraine; basic provisions for the maintenance of armoured weapons and equipment.

Skills:

organise maintenance of armoured weapons and equipment in peacetime and wartime; organise and carry out measures to self-pull and increase the passability of vehicles; check the technical condition of tracked combat vehicles in service with reconnaissance units of the Armed Forces of Ukraine; check the equipment and spare parts, draw up documentation for the acceptance of vehicles.

Competencies:

PC -7 The ability to prepare weapons and military equipment of the unit before each use (including before performing reconnaissance and special tasks), check their availability and serviceability after returning.

Organisational and methodological guidelines:

Features of the methodology for conducting classes:

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion.

Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

Practical session 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 formation 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 - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Classes are held in specialised classrooms equipped with technical teaching aids.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

Information and methodological support:

DSTU V 3576-97. Operation and repair of military equipment. Terms and definitions.

Armoured personnel carrier BTR-80. Structure and basics of operation. The Lviv 2012 military exercise

BTR-3DA armoured personnel carrier "Operation Manual" B1352 RE-LU 2015

Handbook on the Armoured Service of the Armed Forces of Ukraine 2013. 133 pp.

Armoured weapons. Study guide. Military Academy.

Management of technical support of units of the Armed Forces of Ukraine part 2. MOD Odesa-2011.

Structure and operation of basic armoured vehicles. The Lviv Defence University 2012.

Military repair of weapons and military equipment. IOU OISV-2004.

Evacuation of weapons and military equipment Odesa 2004 NC BZ SV 116 p.

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

No. s/n	Types of training sessions, control measures	Total hours	Audit hours	Independent work	Topic title and study questions
			of which.		
1	2	3	4	5	6
... Chapter 1 General structure and characteristics of armoured vehicles.					
		2	2		**Topic 1: General structure of combat vehicles.**
1	Group session 1/1	2	2		**Lesson 1: General structure of combat vehicles.** 1. Combat and technical characteristics of tracked combat vehicles, layout. 2. Purpose of the main components and systems of tracked vehicles. 3. Combat and technical characteristics of wheeled combat vehicles, layout. 2. Purpose of the main components and systems of wheeled vehicles.
		2	2		**Topic 2. Systems for ensuring the operation of engines.**
2	Group session 2/1	2	2		**Lesson 1: Systems for ensuring the operation of engines.** 1. Purpose, technical characteristics, structure and operation of the engine fuel supply system. 2. Purpose, technical characteristics, structure and operation of the engine air supply system. 3. Purpose, technical characteristics, structure and operation of the engine lubrication system. 4. Purpose, technical characteristics, structure and operation of the cooling system.
		2	2		**Topic 3: Running gear of tracked combat vehicles.**
3	Group session 3/1	2	2		**Lesson 1: Undercarriage of tracked combat vehicles.** 1. Purpose, technical characteristics, structure and operation of the tracked propulsion system of tracked combat vehicles. 2. Purpose, technical characteristics, structure and operation of the suspension of tracked combat vehicles.
		2	2		**Topic 4. Chassis of wheeled combat vehicles.**
4	Group session 4/1	2	2		**Lesson 1: Chassis of wheeled combat vehicles.** 1. Purpose, technical characteristics, structure and operation of the suspension of combat wheeled vehicles. 2. Purpose, technical characteristics, structure of wheels and tyres of wheeled combat vehicles.
		2	2		**Topic 5. Electrical equipment.**
5	Group session	2	2		**Lesson 1. Electrical equipment of combat vehicles.**

	5/1				1. Purpose, technical characteristics, general structure of electrical equipment. 2. Purpose, technical characteristics, structure and operation of batteries. Procedure for checking the technical condition. 3. Purpose, technical characteristics, structure and operation of generator sets.
		2	2		**Topic 6. Special equipment of tracked and wheeled vehicles.**
6	Group session 6/1	2	2		**Lesson 1: Special equipment of tracked and wheeled vehicles.** 1. Purpose, technical characteristics, structure and operation of equipment for floating combat vehicles. 2. Purpose, technical characteristics, structure and operation of the smoke exhaust system. 3. Purpose, technical characteristics, structure and operation of the system of protection against weapons of mass destruction. 4. Purpose, technical characteristics, structure and operation of the winch.
					Section 2: Fundamentals of Armoured Vehicle Operation.
		2	2		**Topic 7. Basic provisions for the operation of armoured weapons and equipment.**
14	Group session 7/1	2	2		**Lesson 1: Basic operating instructions.** 1. Definitions of "armoured weapons" and "armoured vehicles". 2. The concepts of "machine operation", "machine life cycle". Stages of operation and types of operation. 3. Distribution of armoured weapons and equipment by operational groups and annual consumption rates of motor resources. 4. Safety measures when working with armoured weapons and equipment.
		6	6		**Topic 8: Preparing a vehicle to overcome a water obstacle.**
15	Group session 8/1	2	2		**Lesson 1: Preparing wheeled and tracked vehicles to overcome a water obstacle.** 1. Requirements for the technical condition of machines when overcoming water obstacles. 2. The scope and procedure of work performed on machines in preparation for overcoming a water obstacle. 3. The procedure for checking the readiness of machines to overcome water obstacles. 4. Preparing the machine for movement after overcoming the water obstacle.
16	Practical session 8/2	4	4		**Lesson 2: Practical work on preparing the vessels for floating.** 1. Prepare the machine to overcome the water obstacle. 2. Perform work to prepare the machine for movement after overcoming the water obstacle.
		2	2		**Topic 9. Evacuation of cars.**
16	Group session 9/1	2	2		**Lesson 1: Types of machine jams and their classification.** 2. Means of evacuation of battalion vehicles and their technical characteristics. 3. Use of technical means of evacuation.

					4. Peculiarities of evacuation of vehicles in the course of hostilities.
		4	**4**		**Topic 10. Acceptance and transfer of machines.**
17	Group session 10/1	2	2		**Lesson 1: Basic provisions on the acceptance and transfer of machines.** 1) Requirements for the machines to be transferred. 2. Procedure for acceptance and transfer of vehicles by the commanders of the content modules. 3. Peculiarities of acceptance of machines in storage.
18	Practical session 10/2	2	2		**Lesson 2: Practical work on acceptance (transfer) of machines.** 1. Checking the individual machine documentation. 2. Checking the technical condition of the machines. 3. Checking the equipment of the machines with spare parts.
Control measures		**4**	**4**		Credit
Total for the educational component		**30**	**30**		

AF 7. DRIVING COMBAT VEHICLES OF RECONNAISSANCE UNITS

General objective of the educational programme component:

Objective:

The purpose of teaching the discipline "Driving of Combat Vehicles of Reconnaissance Units" is to prepare a tactical-level military command officer who knows the general structure of armoured vehicles, operation of armoured weapons and equipment, driving rules, safety measures when driving vehicles in various conditions, which are in service with military reconnaissance and Special Forces units.

Knowledge:

driving rules, safety measures when driving vehicles in various conditions; basics of movement and driving rules of wheeled armoured personnel carriers and tracked combat vehicles in service with the reconnaissance units of the Armed Forces of Ukraine; rules for overcoming natural obstacles and driving rules of BMPs.

Skills:

to drive wheeled armoured personnel carriers and tracked combat vehicles, which are in service with the reconnaissance units of the Armed Forces of Ukraine; to overcome natural obstacles while driving combat vehicles.

Competencies:

ВСК -8 The ability to drive combat vehicles in service with reconnaissance units, to conduct rapid diagnostics of equipment (and its weapons) in order to make a decision on the possibility of its use in the performance of reconnaissance (special) tasks.

Organisational and methodological guidelines:

Features of the methodology for conducting classes:

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion.

Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

Practical session 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 formation 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 - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Classes are held in specialised classrooms equipped with technical teaching aids.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

Information and methodological support:

DSTU V 3576-97. Operation and repair of military equipment. Terms and definitions.

Armoured personnel carrier BTR-80. Structure and basics of operation. The Lviv 2012 military exercise

BTR-3DA armoured personnel carrier "Operation Manual" B1352 RE-LU 2015

Handbook of the Armoured Service of the Armed Forces of Ukraine 2013. 133 pp.

Armoured weapons. Study guide. Military Academy.

Management of technical support of units of the Armed Forces of Ukraine part 2. MOD Odesa-2011.

Structure and operation of basic armoured vehicles. The 2012 Lviv Defence Exercise.

Military repair of weapons and military equipment. IOU OISV-2004.

Evacuation of weapons and military equipment Odesa 2004 NC BZ SV 116 p.

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

No. s/n	Types of training sessions, control measures	Total hours	Audit hours	Independent work	Topic title and study questions
			of which.		
Section 1. Developing and improving driving skills.					
Topic 1: Driving basics and rules.					
1	Group session 1/1	2	2		**Lesson 1: Introduction to the discipline. Study of the basics of movement and driving rules of combat vehicles.** 1. Subject of the discipline, the role and place of driving combat vehicles in the training of military specialists. The procedure for studying the discipline, reporting, responsibilities of students. 2. The requirements of the Combat Vehicle Driving Course for the organisation of training. Procedure for assigning an individual assessment during driving exercises. 3. General safety measures when driving combat vehicles in different conditions.
2	Practical session 1/2	2	2		**Lesson 2: Performing preparatory exercise No. 1 on the BMP-2 simulator.** 1. Controls of the combat vehicle, control and measuring devices and rules for their use. 2. Preparing the vehicle for movement, starting the engine, moving off, braking and stopping the vehicle on the BMP-2 simulator. 3. Rules for driving combat vehicles. Procedure for giving marks for driving technique and speed.
3	Practical session 1/3	2	2		**Lesson 3: Performing preparatory exercise No. 1 on the technique in the afternoon.** 1. Practical execution of preparatory exercise No. 1 on BMP-2(1) during the day. 2. Practice the technique of stopping the vehicle in the designated place (obstacle No. 8) and reversing. 3. Rules for driving combat vehicles. Procedure for equipping the training ground and the procedure for using it.
Total for topic 1		**6**	**6**		
Topic 2. Techniques for overcoming natural obstacles.					
4	Practical session 2/1	4	4		**Lesson 1: Performing preparatory exercise No. 2 on the BMP-2 simulator.** 1. Practical implementation of training exercise No. 2 on the BMP-2 simulator. 2. Preparation for start-up and start-up of the heater (H-Tx-5). 3. Rules for driving combat vehicles. Assessment of the training unit for single driving.
5	Practical session	4	4		**Lesson 2: Performing preparatory exercise #2 on the technique in the afternoon.** 1. Practical execution of preparatory exercise No. 2 on BMP-2(1) during the day.

	2/2				2. Technique of stopping the vehicle in the specified place (obstacle No. 8) and turning between the posts (obstacle No. 7). 3. Rules for driving combat vehicles. Assessment for the fulfilment of standards.
Total for topic 2		**8**	**8**		
					Topic 3: Driving through restricted passages.
6	Practical session 3/1	2	2		**Lesson 1: Performing preparatory exercise No. 3 on the BMP-2 simulator.** 1. Practical implementation of training exercise No. 3 on the BMP-2 simulator. 2. Check the fuel, oil, coolant level (H-Tx-4). 3. Rules for driving combat vehicles. Assessment of the platoon company for single driving.
7	Practical session 3/2	4	4		**Lesson 2: Performing preparatory exercise #3 on the technique in the afternoon.** 1. Practical execution of training exercise No. 3 on BMP-2(1) during the day. 2. Putting the machine in and out of the trench (standard No. 4). 3. Rules for driving combat vehicles. The standards that are worked out during the driving course exercises.
Total for topic 3		**6**	**6**		
					Topic 4. Driving in difficult terrain conditions.
8	Practical session 4/1	4	4		**Lesson 1: Performing training exercise No. 1 on the technique in the afternoon.** 1. Practical execution of training exercise No. 1 on BMP-2(1) during the day. 2. Loading of machines onto and unloading from the railway platform from the end ramp and side platform (standard No. 5) 3. Rules for driving combat vehicles. A list of vehicle breakdowns caused by the trainee that result in the exercise being considered incomplete.
9	Practical session 4/2	4	4		**Lesson 2: Performing training exercise No. 1 on the equipment at night.** 1. Practical execution of training exercise No. 1 on BMP-2(1) at night using the driver's standard night vision device. 2. Setting the driver's night vision device to the "combat" and "marching" positions (H-Tx-14,15). 3. Rules for driving combat vehicles. Peculiarities of Class 1 at night.
Total for topic 4		**8**	**8**		
Controls events		**2**	**2**		Credit
Total for the educational component		**30**	**30**		

MS 8. MILITARY RECONNAISSANCE

General objective of the educational programme component:

Objective:

The purpose of teaching the discipline "Military Reconnaissance" is to prepare a tactical-level military command officer who knows the principles of general combat, provisions of military regulations and guidelines, uses them in the performance of training and combat missions, knows the organisation, combat and numerical composition, weapons, military equipment, tactics of action of reconnaissance units, ways, techniques and methods of obtaining intelligence in various types of modern general combat.

Knowledge:

Methods of performing intelligence tasks by an intelligence agency in different conditions; basic provisions of combat manuals and guidelines; operational planning procedures used in the armies of the world's leading countries; combat capabilities and tactics of units (reconnaissance, mechanised, motorised infantry, tank, mountain assault, airborne, air assault, airmobile, marine) their organisation, combat capabilities, tactics; organisation, tactics and tactical and technical characteristics of weapons and military equipment of the enemy army units.

Skills:

apply the provisions of combat regulations and guidelines while performing reconnaissance tasks; assess the situation; conduct tactical calculations (including with the help of a computer); make informed decisions; conduct reconnaissance; set combat tasks for intelligence agencies, organize their interaction; use combat capabilities of military intelligence units, their regular weapons and military equipment; control fire and combat subgroups while performing reconnaissance tasks; use individual and group weapons and combat equipment

Competencies:

MSC-9 Ability to perform duties at the appropriate level during internships (practice) in military units.

MSC -10 Ability to apply knowledge, skills and practical skills in managing actions and using intelligence agencies with the choice of an appropriate way to perform a reconnaissance task with available reconnaissance means in different conditions and situations.

MSC -11 The ability to make decisions on the use of reconnaissance forces and means, intelligence agencies in accordance with the scope and scale of their application in compliance with the tasks and requirements for reconnaissance as a separate type of combat support.

MSC -12 Ability to organise and conduct training of subordinate personnel to perform reconnaissance tasks (activities) in the forms and methods determined by the guidelines, manuals and doctrinal documents on combat training in the Armed Forces of Ukraine.

MSC-13 Ability to apply theoretical knowledge of the measures and stages of organising and planning reconnaissance at the tactical level (up to and including a line battalion).

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic

of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach 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 military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

Practical session 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 formation 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 - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Classes are held in specialised classrooms equipped with technical teaching aids.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

Information and methodological support:

BP 2-77(04.02), Combat Statute of Military Units (Subunits) of the Intelligence of the Land Forces, Airborne Assault Forces, and Marine Corps of the Ukrainian Navy, March 2012.

BP 3-77(04)56.01, Temporary Combat Statute of the Military Intelligence Units (subunits) of the Land Forces, Air Assault Forces, and Marines of the Naval Forces of the Armed Forces of Ukraine, K.: RU CSR HQ of the Armed Forces of Ukraine, November 2021

Guideline on Tactical Intelligence, (N CSRU AFU №246 of 03.06.17) K.: CSRU AFU, 2017

Melee combat - Vitality. Street, sessions and battle and exercises. Combat in an urbanised area, session 01-10, Infantry Battle School, 2022.

Melee combat - Vitality. Street, sessions and battle and exercises. Combat in an urbanised area, session 11, Infantry Battle School, 2022.

Melee combat - Vitality. Street, sessions and Battle and Exercises. Considerations for breaking out of an encirclement, Infantry Battle School, 2022.

Methodical manual "Organisation of Intelligence in the Headquarters of a Separate Mechanised (Tank, Motorised Infantry, Mountain Infantry) Brigade, Separate Reconnaissance Battalion" K.: GUR. Inv. no. 1737dsk. 2017.

Temporary Procedure for the Issuance of Operational (Combat) Documents (Order of the General Staff of the Armed Forces of Ukraine No. 140 of 11.09.2020).

Tactical intelligence in combat examples based on the experience of the ATO in Donetsk and Luhansk regions. K.: GUR. Inv. no. 1781dsk. 2017.

Methodological Manual "Organisation of Intelligence in the Headquarters of a Separate Mechanised (Tank, Motorised Infantry, Mountain Infantry) Brigade, Separate Reconnaissance Battalion" K.: GUR. Inv. no. 1737dsk. 2017.

Correcting Artillery Fire and Guiding Strikes by Army Aviation - Moscow: OISV, 2004. 120-150 p.

Rules of Engagement and Fire Control for Ground Artillery (division, battery, platoon, gun), approved by Order of the General Staff of the Armed Forces of Ukraine No. 6 of 05.01.2018.

Temporary manual on combat work of optical reconnaissance units. Lviv 2018.

Guidelines for the Combat Work of Artillery Firing Units, approved by the Order of the General Staff of the Armed Forces of Ukraine No. 6 of 03 January 2019.

Artillery Fire Corrector, NAKV Training Manual - Lviv 2016.

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

No. s/n	Types of training sessions, individual tasks and their numbers, control measures	Total hours	Among them.		Semester numbers, section titles, class topics, study questions
			Audit hours	Independent work	
1	2	3	4	5	6
Section 1. Basic training of a reconnaissance soldier.					
Topic 1: Single training.					
1	Lecture 1/1	3	2		**Lesson 1: The order of studying the discipline.** 1. The subject of the discipline "Military Reconnaissance". Academic schedule and distribution of hours, forms of reporting for the discipline. 2. The structure of the discipline, the sequence of its study and the relationship with other disciplines. 3. Types of intelligence. Tasks of intelligence. 4. Organisational and staffing structure of departments and management bodies (CSR intelligence).
				1	**Independent work. Single training.** 1. The structure of the discipline, the sequence of its study and the relationship with other disciplines. 2. Types of reconnaissance. Tasks of reconnaissance. 3. The essence, tasks, organisation, leadership, characteristics and peculiarities of the use of the reconnaissance of the Armed Forces of Ukraine.
2	Group session 1/2	3	2		**Lesson 2. Ensuring the combat capability and life support of reconnaissance men.** 1. Duties of the scout. 2. Individual equipment, the procedure for carrying out camouflage. 3. Conditional signals of tactical communication.
				1	**Independent work. Single training.** 1. Duties of the scout.

				2. Individual equipment, the procedure for carrying out camouflage. 3. Conditional signals of tactical communication.
3	Group session 1/3	3	2		**Lesson 3: Methods of covert and silent movement.** 1. Ways and options for movement in different conditions. 2. Selecting routes. 3. Light camouflage during movement.
				1	**Independent work. Single training.** 1. Ways and options for movement in different conditions. 2. Selecting routes. 3. Light camouflage during movement.
4	Practical session 1/4	6	6		**Lesson 4. Ensuring the combat capability and vital activity of reconnaissance men, methods of covert and silent movement (Day).** 1. Preparation of weapons and equipment. 2. Tactical communication signals. 3. Movement in different conditions in different ways. 4. Exit to the halt area. Taking a meal. Organisation of security and surveillance.
5	Practical session 1/5	4	4		**Lesson 5. Ensuring the combat capability and vital activity of reconnaissance men, methods of covert and silent movement (night).** 1. Preparation of weapons and equipment. 2. Tactical communication signals 3. Movement in different conditions in different ways. 4. Exit to the halt area. Taking a meal. Organisation of security and surveillance.
6	Practical session 1/6	4	4		**Lesson 6. The procedure for overcoming obstacles.** 1. Overcoming artificial obstacles. 2. The procedure for overcoming the scout's lane (by individual elements).
Total for topic 1		**23**	**20**	**3**	
Topic 2. The basics of intelligence.					
1	Lecture 2/1	2	2		**Lesson 1: The basics of** reconnaissance**.** 1. Exploration. Scope and scale of application. 2. The purpose and tasks of reconnaissance. Requirements for reconnaissance. 3. Reconnaissance capabilities of units (subunits).
2	Group session 2/2	4	4		**Lesson 2: Military intelligence agencies.** 1. Intelligence agencies and their capabilities. Conventional designations of intelligence agencies and methods of

				conducting intelligence. 2. Objects of tactical reconnaissance and their reconnaissance features. 3. Methods of conducting military reconnaissance.
Total for Topic 2.		**6**	**6**	
Topic 3. Actions of the reconnaissance man in reconnaissance.				
3	Group session 3/1	3	2	**Lesson 1: Duties of a soldier (scout).** 1. Duties of a soldier (reconnaissance man) in conducting reconnaissance. 2. Responsibilities of the observer. Instructions to the observer when setting the task. 3. Techniques and methods of location (choice of location and position) of the observer.
			1	**Independent work. Actions of the scout in reconnaissance.** 1. Duties of a soldier (reconnaissance man) in conducting reconnaissance. 2. Responsibilities of the observer. Instructions to the observer when setting the task. 3. Techniques and methods of location (choice of location and position) of the observer.
4	Group session 3/2	3	2	**Lesson 2: Movement on the battlefield. Observing the enemy and the terrain.** 1. Movement of a reconnaissance man (group of reconnaissance men), assignment of sectors for observation, conducting observation during movement. 2. Selecting a route to the settlement and approaching it.
			1	**Independent work. Actions of the scout in reconnaissance.** 1. Movement of a reconnaissance man (group of reconnaissance men), assignment of sectors for observation, conducting observation during movement. 2. Selecting a route to the settlement and approaching it.
5	Practical session 3/3	4	4	**Lesson 3: Techniques and methods of movement on the battlefield on different terrain, in any conditions.** 1. Select the movement options and the route. 2. Overcoming natural obstacles and engineering barriers (Overcoming the complex of obstacles "Scout's Path"). 3. The order of location of the scouts on board, sectors of observation, and the procedure for leaving the ship.
6	Practical session 3/4	4	4	**Lesson 4. Movement of scouts in a settlement.** 1. Selecting an approach option to a settlement and planning a route for the task. 2. Reconnaissance of a neighbourhood, street, building within the city based on the experience of the armed conflict in the east of the country. 3. Designation of collection points and access to them.
Total for Topic 3.		**14**	**12**	**2**
Topic 4. Observation post (OP).				

7	Group session 4/1	2	2		**Lesson 1: Composition and tasks of the observation post (OP).** 1. Purpose, composition and tasks of the JFO. Choice of location, types of JFO, its equipment and disguise based on the experience of repelling Russian armed aggression. 2. Duties of the JV officials. Instructions to the senior observation post when setting the task. 3. Capabilities of intelligence agencies to allocate JFs, the surveillance system and interaction between regular JFs and JFs of the branches of the armed forces. 4. Peculiarities of conducting reconnaissance by the personnel of the observation post during the day and at night.
Total for Topic 4.		**2**	**2**		
Topic 5. Actions of reconnaissance men in the field (tactics of small groups).					
9	Group session 5/1	3	2		**Lesson 1. Location of scouts on the ground.** 1. Definition of Patrol Base and order of equipment. 2. The definition of Rally Point and the procedure for accessing it. 3. Definition of Object Rally Point and the procedure for accessing it.
				1	**Independent work. Actions of reconnaissance men when located on the ground. (Tactics of small groups).** 1. Definition of Patrol Base and order of equipment. 2. The definition of Rally Point and the procedure for accessing it. 3. Definition of Object Rally Point and the procedure for accessing it.
10	Practical session 5/2	6	6		**Lesson 2. Location of scouts on the ground.** 1. Definition of Patrol Base and order of equipment. 2. The definition of Rally Point and the procedure for accessing it. 3. Definition of Object Rally Point and the procedure for accessing it.
Total for the topic 5		**9**	**8**	**1**	
Section 2. Preparation of a reconnaissance unit commander.					
Topic 6. Actions of the sentry unit.					
11	Group session 6/1	3	2		**Lesson 1: Composition and tasks of a patrol unit (vehicle). Conducting reconnaissance of the enemy and the terrain by a patrol unit.** 1. Purpose, composition and tasks of the patrol unit. 2. Conducting reconnaissance by patrols (foot patrols) based on the experience of repelling the armed aggression of the Russian Federation. 3. The use of a patrol unit in different types of combat.
				1	**Independent work. Training of a reconnaissance unit commander.** 1. Purpose, composition and tasks of the patrol unit. 2. Conducting reconnaissance by patrols (foot patrols) based on the experience of repelling the armed aggression of

				the Russian Federation.
				3. The use of a patrol unit in different types of combat.
12	Group session 6/2	5	4		**Lesson 2: Procedure for a squad (vehicle) commander to receive a task to act as part of a patrol unit.** 1. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 2. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 3. Step 5: Issuance of a combat order. Steps 6-8.
				1	**Independent work. Training of a reconnaissance unit commander.** 1. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 2. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 3. Step 5: Issuance of a combat order. Steps 6-8.
13	Practical session 6/3	4	4		**Lesson 3: Preparation for actions in the reconnaissance of a patrol unit (Day)** 1. Preparation for actions as part of a patrol unit. Organisation of interaction. 2. Giving a combat order by the commander of the patrol unit. 3. Conducting reconnaissance of the enemy and the terrain.
14	Practical session 6/4	4	4		**Lesson 4. Actions of a patrol unit in reconnaissance. (Night)** 1. Formation of the combat order, location of scouts on the equipment, observation sectors, order of abandonment of equipment. 2. Actions of foot patrols, the procedure for leaving equipment, communication and control. 3. Conducting reconnaissance of the enemy and the terrain. Overcoming (blocking) dangerous areas.
In total for Topic 6.		**16**	**14**	**2**	
Topic 7. Ambush of a unit.					
15	Group session 7/1	3	2		**Lesson 1: Composition and tasks of an ambush unit. Procedure of actions of the unit in an ambush.** 1. Purpose, composition and tasks of the unit when ambushing. Features of ambushes based on the experience of repulsing the armed aggression of the russian federation. 2. The order and sequence of actions of the elements of the combat order of the intelligence agency assigned to the ambush. 3. The procedure for leaving after completing the task and reporting the results.
				1	**Independent work. The department is ambushed.** 1. Purpose, composition and tasks of the unit when ambushing. Features of ambushes based on the experience of repulsing the armed aggression of the russian federation. 2. The order and sequence of actions of the elements of the combat order of the intelligence agency assigned to the

				ambush. 3. The procedure for leaving after completing the task and reporting the results.
16	Group session 7/2	3	2		**Lesson 2: Procedure of the squad commander assigned to ambush.** 1. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 2. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 3. Step 5: Issuance of a combat order. Steps 6-8.
				1	**Independent work. The department is ambushed.** 1. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 2. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 3. Step 5: Issuance of a combat order. Steps 6-8.
17	Practical session 7/3	6	6		**Lesson 3: Organisation and execution of an ambush as part of a squad.** 1. Combat order to set up an ambush. 2. Concealed movement to the ambush area, location of personnel (equipment), camouflage, organisation of observation and fire systems. 3. Sudden attack on the enemy. Capture of prisoners, documents, samples of weapons and military equipment. Departure after completing the task, report on the results of the reconnaissance.
Total for Topic 7.		**12**	**10**	**2**	
Topic 8: Reconnaissance group (RG) (small group tactics).					
18	Group session 8/1	3	2		**Lesson 1: Actions of a reconnaissance group (RG).** 1. Purpose, composition and tasks of the WG, preparation for the task. 2. Methods and order of withdrawal of the WG behind enemy lines. 3. Methods of performing reconnaissance tasks of the WG, destruction (disabling) of objects in the enemy's rear.
				1	**Independent work. Reconnaissance group (RG). (Small group tactics).** 1. Purpose, composition and tasks of the WG, preparation for the task. 2. Methods and order of withdrawal of the WG behind enemy lines. 3. Methods of performing reconnaissance tasks of the WG, destruction (disabling) of objects in the enemy's rear.
19	Practical session 8/2	4	4		**Lesson 2. Basing as a way to derive RGs.** 1. Movement to the basing area. 2. Equipment of the base. 3. Organisation of security and surveillance. Group actions in case of a sudden enemy attack.
20	Group session	2	2		**Lesson 3. WG in preparation for a reconnaissance search.**

	8/3				1. Reconnaissance search as a method of performing intelligence tasks. Methods of conducting reconnaissance search. 2. Combat order during reconnaissance search. 3. Peculiarities of searching with helicopters and UAVs.
21	Practical session 8/4	6	6		**Lesson 4. WG during a reconnaissance search.** 1. Combat order during reconnaissance search. Organisation of interaction during a reconnaissance search. 2. Search for an object during the task. 3. Procedure for conducting further investigation of the search object.
22	Group session 8/5	2	2		**Lesson 5. WG in preparation for a raid.** 1. Raiding as a way of conducting reconnaissance and performing intelligence and special tasks. 2. Combat order of the WG for the raid. 3. Responsibilities and tasks of subgroups during the raid.
23	Practical session 8/6	6	6		**Lesson 6. WG during a raid.** 1. Organisation of interaction during the raid. 2. Procedure of the WG during the raid. 3. Conducting a raid on a stationary enemy object.
In total for Topic 8.		**23**	**22**	**1**	
Topic 9: Methodological training of a squad leader.					
24	Group session 9/1	3	2		**Lesson 1: Methods of preparing and conducting classes with the department.** 1. Purpose, tasks of tactical exercise. Forms and methods of training. 2. Methods of preparing and conducting a TCP with the department. 3. Plan outline of the TCD.
				1	**Independent work. Methodological training of the squad leader.** 1. Purpose, tasks of tactical exercise. Forms and methods of training. 2. Methods of preparing and conducting a TCP with the department. 3. Plan outline of the TCD.
25	Practical session 9/2	4	4		**Lesson 2. Methods of preparing and conducting classes with the personnel of the department.** 1. Study the class schedule. Determine the topic of the session and study questions. 2. Select and study the area of the exercise. Instructions to personnel on preparing for the exercise. 2. Drawing up a plan for conducting the TCD with the department.
Total for Topic 9.		**7**	**6**	**1**	
Topic 10. Organisation, combat and strength of reconnaissance units.					

26	Group session 10/1	4	4		**Lesson 1: Organisational and staffing structure of a reconnaissance platoon (battalion, brigade).** 1. Purpose, organisational and staffing structure of the reconnaissance platoon (battalion, brigade), capabilities to allocate OR and perform tasks. 2. Purpose, organisational and staffing structure of the reconnaissance company (Br), capabilities to allocate OR and perform tasks. 3. Purpose, organisational and staffing structure of the reconnaissance company and the deep reconnaissance company (RR), capabilities to allocate OR and perform tasks.
In total for Topic 10.		**4**	**4**		
Chapter 3. Training of a reconnaissance platoon commander.					
Topic 11. The work of a reconnaissance platoon commander.					
28	Group session 11/1	3	2		**Lesson 1: The platoon leader's work procedure in preparation for a mission.** 1. Content of the platoon leader's work in preparation for the mission. 2. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 3. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 4. Step 5: Issue a combat order. 3. Step 6: Start of movement (Initiation of manoeuvre). Step 7: Conducting reconnaissance. 5. Step 8: Control and improvement.
				1	**Independent work. The work of a reconnaissance platoon commander.** 1. Content of the platoon leader's work in preparation for the mission. 2. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 3. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 4. Step 5: Issue a combat order. 3. Step 6: Start of movement (Initiation of manoeuvre). Step 7: Conducting reconnaissance. 5. Step 8: Control and improvement.
29	Group session 11/2	6	6		**Lesson 2: The platoon leader's work procedure in preparation for a mission.** 1. Content of the platoon leader's work in preparation for the mission. 2. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 3. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 4. Step 5: Issue a combat order. 3. Step 6: Start of movement (Initiation of manoeuvre). Step 7: Conducting reconnaissance. 5. Step 8: Control and improvement.

In total for Topic 11.	**9**	**8**	**1**	
Topic 12: A platoon in an ambush.				
31	Group session 12/1	3	2		**Lesson 1: Composition and tasks of a platoon in an ambush. Procedure for platoon actions in an ambush.** 1. The purpose, composition and tasks of a platoon in an ambush. 2. Moving the reconnaissance body to the ambush area and studying it. Selecting the location and position of the platoon in the ambush. 3. Clarification of tasks for elements of the combat order, camouflage of personnel (equipment), organisation of observation and fire system. 4. Platoon's procedure in an ambush based on the experience of combat operations in the east of the country. The procedure for withdrawal after completing the task and reporting the results.
				1	**Independent work. A platoon in an ambush.** 1. The purpose, composition and tasks of a platoon in an ambush. 2. Moving the reconnaissance body to the ambush area and studying it. Selecting the location and position of the platoon in the ambush. 3. Clarification of tasks for elements of the combat order, camouflage of personnel (equipment), organisation of observation and fire system. 4. Platoon's procedure in an ambush based on the experience of combat operations in the east of the country. The procedure for withdrawal after completing the task and reporting the results.
32	Group session 12/2	2	2		**Lesson 2: Procedure for a platoon leader assigned to an ambush.** 1. Content of the platoon leader's work in preparation for the mission. 2. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 3. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 4. Step 5: Issuance of a combat order. Steps 6-8.
33	Practical session 12/3	4	4		**Lesson 3: Platoon actions in an ambush (Day)** 1. Concealed movement into an ambush area. 2. The location of personnel (equipment), camouflage, observation and fire systems. 3. Sudden attack on the enemy. Capture of prisoners, documents, samples of weapons and military equipment. 4. Departure after completion of the task. Reporting the results of the ambush.
34	Practical session 12/4	4	4		**Lesson 4. Platoon actions in an ambush (Day)** 1. Combat order to conduct an ambush. Setting (clarifying) the task for elements of the combat order 2. Concealed movement into the ambush area. Location of personnel (equipment), camouflage, organisation of observation and fire systems. 3. Sudden attack on the enemy. Capture of prisoners, documents, samples of weapons and military equipment.

					4. Departure after completion of the task. Reporting the results of the ambush.
35	Practical session 12/5	4	4		**Lesson 5. Platoon actions in an ambush. (Night)** 1. Combat order to conduct an ambush. Setting (clarifying) the task for elements of the combat order 2. Concealed movement into the ambush area. Location of personnel (equipment), camouflage, organisation of observation and fire systems. 3. Sudden attack on the enemy. Capture of prisoners, documents, samples of weapons and military equipment. 4. Departure after completion of the task. Reporting the results of the ambush.
In total for Topic 12.		**17**	**16**	**1**	
Topic 13: Platoon in a raid.					
36	Group session 13/1	3	2		**Lesson 1: Composition and tasks of a platoon in an attack. Platoon's order of operations in an attack.** 1. The purpose, composition and tasks of a platoon during a raid. Conducting raids based on the experience of modern warfare. 2. A covert approach to the object and its study, determining (clarifying) options for subgroups. 3. Procedure of actions of elements of the combat order. The procedure for withdrawal after completing a task and reporting the results.
				1	**Independent work. A platoon in a raid.** 1. The purpose, composition and tasks of the platoon during the raid. 2. A covert approach to the object and its study, determining (clarifying) options for subgroups. 3. Procedure of actions of elements of the combat order. The procedure for withdrawal after completing a task and reporting the results.
37	Group session 13/2	2	2		**Lesson 2: Procedure for a platoon leader assigned to a raid.** 1. Content of the platoon leader's work in preparation for the mission. 2. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 3. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 4. Step 5: Issuance of a combat order. Steps 6-8. 5. Peculiarities of the work of the commander of an reconnaissance body assigned to raid operations.
38	Practical session 13/3	4	4		**Lesson 3: Platoon actions in a raid (Day)** 1. Identification (selection) of the object to be attacked. Organisation of observation of the object on the ground. 2. Raid on an object. Capture of prisoners, documents, samples of weapons and military equipment. 3. Departure after completion of the task. Reporting the results of the reconnaissance.

39	Practical session 13/4	4	4		**Lesson 4. Platoon actions in a raid. (Day)** 1. Identification (selection) of the object to be attacked. Organisation of observation of the object on the ground. 2. Decision-making, report to the senior commander. Setting combat tasks (formulation and preparation for giving a combat order). 3. Raid on an object. Capture of prisoners, documents, weapons and military equipment. 4. Departure after completion of the task. Reporting the results of the reconnaissance.
40	Practical session 13/5	4	4		**Lesson 5. Platoon actions in a raid. (Night)** 1. Identification (selection) of the object to be attacked. Organisation of observation of the object on the ground. 2. Decision-making, report to the senior commander. Setting combat tasks (formulation and preparation for giving a combat order). 3. Raid on an object. Capture of prisoners, documents, and weapons. 4. Departure after completion of the task. Reporting the results of the reconnaissance.
In total for Topic 13.		**17**	**16**	**1**	
Topic 14: Platoon in search.					
41	Group session 14/1	3	2		**Lesson 1: Composition and tasks of a platoon in a search.** 1. Military search. The purpose, composition and tasks of a platoon. 2. Reconnaissance search. The purpose, composition and tasks of the platoon. 3. The procedure for developing a search plan. Procedure for conducting a reconnaissance (military) search. 4. 4. Preparation and procedure in the search for the experience of repulsing the armed aggression of the russian federation.
				1	**Independent work. The platoon is in search.** 1. Military search. The purpose, composition and tasks of a platoon. 2. Reconnaissance search. The purpose, composition and tasks of the platoon. 3. The procedure for developing a search plan. Procedure for conducting a reconnaissance (military) search.
42	Group session 14/2	2	2		**Lesson 2: Procedure for a platoon leader assigned to search operations.** 1. Content of the platoon leader's work in preparation for the mission. 2. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 3. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 4. Step 5: Issuance of a combat order. Steps 6-8. 5. Peculiarities of the work of the commander of the reconnaissance body assigned to search operations.
43	Practical session 14/3	4	4		**Lesson 3: Platoon actions in military search (Day)** 1. Obtaining a task (object) for a military search. Organisation of training.

					2. Observation of the object of military search. Movement of the reconnaissance body to the object of military search, deployment of groups. 3. Sudden (silent) attack on the object, capture, retreat. Reporting the results of the search.
44	Practical session 14/4	4	4		**Lesson 4. Platoon actions in a military search. (Day).** 1. Obtaining a task (object) for conducting a military search. Organisation of surveillance of the object of military search. 2. Decision-making, report to the senior commander. Setting combat tasks (formulation and preparation for giving a combat order). 3. Deployment of the intelligence body to the object of military search, deployment of groups. 4. Sudden (silent) attack on the object, capture, retreat. Reporting the results of the search.
45	Practical session 14/5	4	4		**Lesson 5. Platoon actions in a military search. (Night).** 1. Obtaining a task (object) for conducting a military search. Organisation of surveillance of the object of military search. 2. Decision-making, report to the senior commander. Setting combat tasks (formulation and preparation for giving a combat order). 3. Deployment of the reconnaissance body to the object of military search, deployment of groups. 4. Sudden (silent) attack on the object, capture, retreat. Reporting the results of the search.
46	Practical session 14/6	4	4		**Lesson 6. Platoon actions in reconnaissance search. (Day).** 1. Receiving a task to conduct a reconnaissance search. Organisation of training. 2. Withdrawal of the reconnaissance body to the enemy's rear. Movement to the area of reconnaissance search. 3. Search and detection of the reconnaissance target. Choosing a direct action option (raid, ambush, calling in and adjusting the fire of destruction means). 4. Withdrawal and evacuation. Reporting the results of the search.
47	Practical session 14/7	4	4		**Lesson 7. Platoon actions in reconnaissance search. (Day).** 1. Receiving a task to conduct a reconnaissance search. 2. Decision-making, report to the senior commander. Setting combat tasks (formulation and preparation for giving a combat order). 3. Withdrawal of the reconnaissance body to the enemy's rear. Movement to the area of reconnaissance search. 4. Search and detection of the reconnaissance target. Choosing a direct action option (raid, ambush, calling in and adjusting the fire of destruction means). 5. Withdrawal and evacuation. Reporting the results of the search.
48	Practical session 14/8	4	4		**Lesson 8. Platoon actions in reconnaissance search. (Night).** 1. Receiving a task to conduct a reconnaissance search. 2. Decision-making, report to the senior commander. Setting combat tasks (formulation and preparation for giving a

				combat order).
				3. Withdrawal of the reconnaissance body to the enemy's rear. Movement to the area of reconnaissance search.
				4. Search and detection of the reconnaissance target. Choosing a direct action option (raid, ambush, calling in and adjusting the fire of destruction means).
				5. Withdrawal and evacuation. Reporting the results of the search.
In total for Topic 14.		**29**	**28**	**1**	
Topic 15: Platoon in reconnaissance watch.					
49	Group session 15/1	3	2		**Lesson 1: Platoon in reconnaissance patrol in defence.** 1. The purpose, composition and tasks of a platoon in reconnaissance patrol. 2. Procedure and methods of conducting reconnaissance in defence before the enemy's offensive, during a defensive battle. 3. Procedure and methods of conducting reconnaissance of the enemy and the terrain based on the experience of repelling armed aggression of the russian federation.
				1	**Independent work. A platoon in reconnaissance watch.** 1. The purpose, composition and tasks of a platoon in reconnaissance patrol. 2. Procedure and methods of conducting reconnaissance in defence before the enemy's offensive, during a defensive battle. 3. Procedure and methods of conducting reconnaissance during the transition to defence without collision with the enemy.
50	Group session 15/2	2	2		**Lesson 2: Platoon in reconnaissance watch on the offensive.** 1. The purpose, composition and tasks of a platoon in reconnaissance patrol. 2. The procedure and methods of conducting reconnaissance in preparation for and during the offensive. 3. Procedure and methods of conducting reconnaissance in the offensive from a position of direct contact with the enemy and with advance from the depths.
				1	**Independent work. A platoon in reconnaissance watch.** 1. The purpose, composition and tasks of a platoon in reconnaissance patrol. 2. The procedure and methods of conducting reconnaissance in preparation for and during the offensive. 3. Procedure and methods of conducting reconnaissance in the offensive from the position of direct contact with the enemy and with the advance from the depths.
51	Group exercise 15/3	2	2		**Lesson 3: Procedure for a platoon leader assigned to the RD to work in defence.** 1. Preparing the working map for work. Drawing the initial situation. 2. Peculiarities of applying the setting to plastic of the Overlay type. 3. Features of the work of the RD commander during the preparation and conduct of defensive combat.

52	Group exercise 15/4	4	4		**Lesson 4. Procedure for the work of a platoon leader assigned to the RD in defence.** 1. Content of the platoon leader's work in preparation for the mission. 2. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 3. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 4. Step 5: Issuance of a combat order. Steps 6-8. 5. Peculiarities of the work of the commander of the intelligence agency assigned to the RD, in defence
53	Practical session 15/5	4	4		**Lesson 5. Conducting reconnaissance of the RD in defence (Day).** 1. Giving a combat order. 2. Reconnaissance of the enemy on the front line. Search for ways to penetrate the enemy's rear. 3. Crossing the contact line, conducting reconnaissance in enemy-controlled territory, based on the experience of modern combat operations. 4. Detection of objects, determination of coordinates, report on the results of reconnaissance.
54	Practical session 15/6	4	4		**Lesson 6. Conducting reconnaissance of the RD in defence (Night).** 1. Giving a combat order. 2. Reconnaissance of the enemy on the front line. Search for ways to penetrate the enemy's rear. 3. Crossing the contact line, conducting reconnaissance in enemy-controlled territory, based on the experience of modern combat operations. 4. Detection of objects, determination of coordinates, report on the results of reconnaissance.
55	Group session 15/7	3	2		**Lesson 7. Organisation and conduct of reconnaissance on the march.** 1. The purpose, tasks, and methods of conducting reconnaissance in the interests of ensuring the movement of units (units) in the absence of a collision with the enemy. 2. Procedure and methods of conducting reconnaissance during the march to the planned engagement. 3. Procedure and methods of conducting reconnaissance on the march based on the experience of modern combat operations.
				1	**Independent work. A platoon in reconnaissance watch.** 1. The purpose, tasks, and methods of conducting reconnaissance in the interests of ensuring the movement of units (units) in the absence of a collision with the enemy. 2. Procedure and methods of conducting reconnaissance during the march to the planned engagement. 3. Procedure and methods of conducting reconnaissance on the march based on the experience of modern combat operations.

56	Group exercise 15/8	4	4		**Lesson 8. Procedure for the work of a platoon leader assigned to the RD in the interests of ensuring the movement of units (units).** 1. Preparing the working map for work. Applying the initial environment. Features of applying the environment to plastic of the Overlay type. 2. Peculiarities of the work of the RD commander in the interests of ensuring the movement of units (units). 3. The content of the platoon leader's work in preparation for the task. 4. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issuance of a preliminary combat order (preliminary combat order (WARNO)). 5. Step 3(a). Analysis of the combat mission. Step 4: Finalise the plan and provide a backbrief. 6. Step 5: Issuance of a combat order. Steps 6-8. 7. Peculiarities of the work of the commander of the intelligence agency assigned to the RD in the interests of ensuring the movement of units
57	Practical session 15/9	4	4		**Lesson 9. Conducting reconnaissance as part of the RD on the march.** 1. Issuance of a combat order to act in the RD. 2. Conducting reconnaissance of the area, routes of advance, road permeability and ways to avoid them. 3. Detection of objects and determination of their coordinates. Arranging ambushes and conducting raids.
In total for Topic 15.		**31**	**28**	**3**	
Topic 16. Methodological training of a reconnaissance platoon commander.					
59	Group session 16/1	3	2		**Lesson 1: Forms and methods of tactical exercise.** 1. Forms of tactical exercise with a reconnaissance platoon. 2. Methods of conducting tactical exercise with a reconnaissance platoon.
				1	**Independent work. Methodological training of a reconnaissance platoon commander.** 1. Forms of tactical exercise with a reconnaissance platoon. 2. Methods of conducting tactical exercise with a reconnaissance platoon.
60	Group session 16/2	2	2		**Lesson 2. Methods of preparing and conducting tactical exercises with platoon personnel.** 1. Preparation for the session. 2. Methods of conducting tactical exercises with a platoon.
61	Practical session 16/3	4	4		**Lesson 3. Methods of preparing and conducting tactical exercises with platoon personnel.** 1. Determine the initial data and material and technical support for the session. 2. Developing and drawing up a plan for conducting the ToR.
62	Group session 16/4	2	2		**Lesson 4. Methods of preparing and conducting live fire with the personnel of the unit.** 1. Preparation of live fire, reconnaissance, preparation of a live fire plan.

					2. Drawing up a target situation, calculating targets, calculating the number of rounds. 3. Preparation of officials (squad leaders) for live fire.
In total for Topic 16.		**11**	**10**	**1**	
Topic 17. Intelligence support of combat in a battalion.					
63	Group session 17/1	2	2		**Lesson 1: Peculiarities of intelligence support in a combined arms battalion.** 1. Functioning of the S2 section of the battalion headquarters (command post) . 2. Intelligence documents developed and maintained in the battalion. 3. The concept and structure of TTD. The structure and procedure for providing intelligence reports and summaries.
64	Group session 17/2	2	2		**Lesson 2: Peculiarities of intelligence support in a separate reconnaissance battalion.** 1. Functioning of the S - structure of the headquarters (control centre) of the orb. 2. Documents developed and maintained in the ORB on the organisation and conduct of intelligence. 3. Peculiarities of setting tasks for conducting reconnaissance in orbit (based on the experience of modern combat operations).
65	Group exercise 17/3	6	6		**Lesson 3: Procedure for setting tasks for reconnaissance in orbit.** 1. Proving the initial data. 2. Study the initial situation on the maps. 3. Formation of the combat task of the orbital reconnaissance body (bodies)
In total for Topic 17.		**10**	**10**		
66	**Examination**	**30**		6	**Independent work. Preparation for the exam.** 1. Preparing for the exam.
				6	**Independent work. Preparation for the exam.** 1. Preparation for the exam.
				6	**Independent work. Preparation for the exam.** 1. Preparation for the exam.
				6	**Independent work. Preparation for the exam.** 1. Preparation for the exam.
			6		**Examination**
	Total for the educational component	**270**	**226**	**44**	

AF 9. THE TROOP LEADERSHIP PROCESS (TLP)

General objective of the educational programme component:

Objective:

The purpose of teaching the discipline "The process of commanding military units (TLP)" is to prepare a tactical-level military command officer who knows the organisation of unit management, the content and technologies of substantiation and decision-making, the processes of planning and organising intelligence support for the combat area in accordance with NATO standards.

Knowledge:

the procedure for managing actions and employment of intelligence agencies with the choice of an appropriate way to perform a reconnaissance task with available reconnaissance means in different conditions and situations; the procedure and sequence of steps for making decisions on the employment of intelligence forces and means, intelligence agencies - in accordance with the requirements of normative documents of the Armed Forces of Ukraine, as well as to master decision-making procedures according to NATO standards; the procedure for developing and executing combat graphic documents on planning the employment of reconnaissance forces and means (intelligence agencies) with

Skills:

to organise and methodically correctly show and justify: ways to perform reconnaissance tasks by the intelligence agency to ensure different types of combat in different conditions in accordance with the standards used in the armies of NATO member states; apply the principles of general combat, provisions of military regulations and guidelines when performing reconnaissance tasks; assess the situation; make informed decisions; conduct reconnaissance; set combat tasks for intelligence agencies, organise their interaction; use the state of

Competencies:

MSC-14 Ability to make decisions on the use of a subordinate unit (intelligence agency) in accordance with the troop management procedure (TLP), taking into account the experience of NATO partner countries.

MSC-15 Ability to prepare combat documents (graphic and textual) for decision-making on combat operations, taking into account the experience of NATO partner countries.

MSC-16 The ability to use a subordinate reconnaissance unit (intelligence agency) during joint operations as part of joint units of the Armed Forces of Ukraine and NATO member states.

Organisational and methodological guidelines:

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

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

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

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

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

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

Verbal and visual - when the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied to help students gain new knowledge and form the appropriate imagination.

Training (reproductive) - in the performance of complex actions in accordance with the algorithm (pre-established procedure) determined by the training leader 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 skills in information and analytical activities.

Problem-based teaching is when the class leader poses a problem to the students, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply them independently. This method teaches students how to search for knowledge and helps them develop creative thinking skills.

Search (heuristic) - serves the purpose of gradually bringing students closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the class leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

The following types of classes are held during the study of the discipline.

A lecture is the main type of training session designed to teach 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 military leader's management activities, 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 contribute to the formation of their creative thinking.

A Group session is a type of training session 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 to enable students to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diaphrams and posters should be used to ensure visualisation during the classes.

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

Independent work - to carry out in order to work out and master 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 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.

Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the professional military education courses for officers of the Armed Forces of Ukraine is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed.

The number of control measures and the forms of their implementation are communicated to students at the beginning of the discipline.

Classes are held in specialised classrooms equipped with technical teaching aids.

Logistics:

Classes should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two students and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

Information and methodological support:
"Nordic UN Tactical Manual";
Ranger Handbook TC 3-21.76;
Field Manual FM 1-02. Operational Terms and Graphics;
Field Manual FM 3-0. Operations;
Field Manual FM 5-0. Army Planning and Orders Production;
Field Manual FM 6-0. Mission Command: Command and Control of Army Forces;
The Battle Staff SMARTBOOK;
Guidelines for operational planning (GOP), Final revision.

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

No. s/n	Types of training sessions, control measures	Total hours	of which		Topic title and study questions
			Audit hours	Independent work	
1	2	3	4	5	6
Section 1. Fundamentals of troop management procedures (TLP).					
					Topic 1: Maps, symbols, overlays and brief descriptions of maps (terrain) according to NATO standards.
1	Group session 1/1		2	2	**Lesson 1: NATO maps and the MGRS coordinate system.** 1. NATO maps. NATO compass. 2. Coordinates and azimuth according to the MGRS system. 3. Basics of NATO tactical signs. 4. Other NATO tactical signs. Identification of NATO tactical signs.
Total for topic 1		**2**	**2**		
Topic 2. Combat order according to NATO standards and troop management procedures (TLP).					
6	Group session 2/1	7		6	**Lesson 1: NATO Standard Battle Order Form and Format (SMESC) and Introduction to the Troop Leadership Procedure (TLP).** 1. Introduction to the order of battle (OOB). The format of SMESC orders. 2. Step 1: Receive a combat mission (OPORD). 3. Step 2: Issue a preliminary combat order (WARNO).
				1	**Form and format of a combat order according to NATO standards (SMESC) and introduction to TLP.** 1. Step 1: Receive a combat mission (operational order (OPORD)). 2. Step 2: Issue a preliminary combat order (WARNO). 3. Development of WARNO.
7	Practical session 2/2	7	6		**Lesson 2. Developing a preliminary plan (Step 3(a)) (TLP).** 1. Step 3(a). Analyse the combat mission. 2. Factor analysis (METT-TC). 3. Begin conducting factor analysis and combat mission analysis.

				1	**Development of a preliminary plan (3(a)) (TLP).** 1. Step 3(a). Analyse the combat mission. 2. Completion of the factor analysis (METT-TC). 3. Completion of the factor analysis and combat mission analysis.
8	Practical session 2/3	6	6		**Lesson 3. Developing a preliminary plan (3(b-e)) (TLP).** 1. Step 3(b): Development of a preliminary plan (development of action options). 2. Step 3(c): Analyse options for action. 3. Step 3(d): Comparison of options. 4. Step 3(e): Select an action option. 5. Start developing options for action (OPORD).
9	Practical session 2/4	6	6		**Lesson 4. Development of a combat order (TLP).** 1. Step 4: Finalise the plan and provide a backbrief. 2. Step 5: Issue a combat order. 3. Step 6: Start of movement (Initiation of manoeuvre). 4. Step 7: Conducting reconnaissance. 5. Step 8: Control and improvement.
Total for topic 2		**26**	**24**	**2**	
Controls events		2	2		Credit
Total for the educational component		**30**	**28**	**2**	