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**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA**

**RUDN University
Institute of Medicine**

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Basic Military Training. Life Safety

course title

Recommended by the Didactic Council for the Education Field of:

31.05.03 Dentistry

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Dentistry

higher education programme profile/specialisation title

1. COURSE GOAL(s)

The goal of mastering the discipline "Basic Military Training. Life Safety" is to develop students' extreme thinking skills, that are required to perform effective actions in emergency situations in peacetime and wartime.

The main objectives of the course are:

- learning the basics of military affairs, including practical experience in handling small arms;
- mastering the skills of orientation on the terrain, first aid for wounds, injuries and toxic substances;
- mastering algorithms of behavior and influence on others in extreme situations;
- learning about ways to quickly make decisions in non-standard conditions;
- developing in students a sense of personal civil responsibility and obtaining knowledge, abilities, and skills of initial military training and the fundamentals of life safety necessary for identifying and quickly responding to potentially dangerous situations;
- performing military duty in accordance with the legislation of the Russian Federation.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "Basic Military Training. Life Safety" is aimed at the formation of the following competencies (parts of competencies) in students: GC-8

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
GC-8	Able: to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergencies and military conflicts.	GC-8.1 Knows the classification and sources of emergency situations of natural and man-made origin; causes, signs and consequences of dangers, methods of protection in emergency situations, military conflicts; principles of organizing labour safety at an enterprise, technical means of protecting people in emergency situations, methods of preserving the natural environment, factors for ensuring sustainable development of society; GC-8.2 Able to maintain safe living conditions; ensure working conditions in the workplace; identify signs, causes and conditions of emergency situations; assess the likelihood of a potential hazard and take measures to prevent it; GC-8.3 Knows methods of predicting the occurrence of dangerous or emergency situations; skills in using basic methods of protection in emergency situations GC-8.4 Applies the provisions of general military regulations in the daily activities of the unit, controls

		formations, and uses standard small arms. Conducts combined arms combat as part of a unit. Performs assigned tasks in conditions of RCB contamination; Uses topographic maps. Provides first aid for wounds and injuries. He has a high sense of patriotism and considers the defence of the Motherland his duty and responsibility.
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3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GC-8	Able to: create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergencies and military conflicts.		Preparing for and passing the state exam; Obtaining primary skills in research work; Obtaining primary skills in research work in biomedical laboratories Internship in the profile of professional activity Pre-graduation practice.

* To be filled in according to the competence matrix of the higher education programme.

2. COURSE WORKLOAD AND LEARNING ACTIVITIES

The total workload of the course "Basic Military training. Life safety" is 4 credits (144 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (full-time training)**

Type of academic activities		Total academic hours	Semesters/training modules	
			1	2
Contact work, ac.ch.		70	34	36
Including:				
Lectures (LC)		35	17	18
Lab work (LW)				
Seminars (workshops/tutorials) (S)		70	34	36
Self-studies		18	18	0
Evaluation and assessment (exam/passing/failing grade)		21	3	18
Total course workload	academic hours	144	72	72
	credits	4	2	2

* To be filled in regarding the higher education programme correspondence training mode.

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course Modules and Contents	Modules and Topics (Units/Themes)	Type of educational work*
Section 1. Life safety.	Topic 1.1 Fundamentals of human life safety: essence and content Topic 1.2 Fire safety Topic 1.3 Anti-terrorism security Topic 1.4. Anti-corruption and prevention of corruption risks Topic 1.5. Healthy lifestyle Topic 1.6. Personal information security Topic 1.7. Human life safety in emergency situations Topic 1.8. Civil defence as a system of nationwide measures to protect the population from dangers Topic 1.9. Basics of labour protection	LC, S

Section 2. Basic Military Training.	Topic 2.1. Radiation, chemical and biological protection Topic 2.2. Fundamentals of tactics of combined arms units Topic 2.3. Fire training Topic 2.4. Fundamentals of engineering support and communication organization Topic 2.5. Combat training Topic 2.6. General military regulations of the RF Armed Forces Topic 2.7. Legal basis of state defence Topic 2.8. Military-political preparation Topic 2.9. First aid with elements of tactical medicine Topic 2.10. Military topography. Unmanned aerial vehicles	LC, S
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* - to be filled in only for **full**-time training: *LC* - lectures; *LW* - lab work; *S* - seminars.

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of audience	Equipment of the audience	Specialized educational/laboratory equipment, software and materials for the development of the discipline (if necessary)
Specialized audience for the interactive simulator of small arms and close combat weapons	Classroom equipped with the multimedia interactive simulator of small arms and close combat weapons.	- server and switching equipment; - projection system; - software; - weapon simulators; - auxiliary equipment; - a set of wall stands on the theme of the office

Specialized audience for practical training for shooting	Classroom for group and individual consultations	- AK-74 mass-dimensional mockup - 12; - AK 74 – 12 magazine layouts; - training cartridge AK-74 – 120; - model of F-1 grenade – 12; - machine for zeroing weapons – 1; - table for assembling/disassembling weapons – 12; - teacher's workstation – 1; - magnetic marker board – 1; - a set of wall stands on the theme of the office -6
Specialized audience for military topography	Interactive class “Military topography”	- teacher's workstation; - student's workstation (16 pcs.); - server and switching equipment - projection system; - interactive class software “Military topography”; - magnetic compass Andrianov -16; - measuring compass -16; - line Artillery circle AK-3 - 16; - curvimeter -16; - navigator GPSMAP 66SR - 1; - magnetic marker board – 1; - set of wall stands on the theme of the office - 6

Specialized audience for tactical training	Hardware and software complex “Tactical training”	- instructor's workplace; - trainee's workplace; - software for the Tactical Training complex « Tactical training »; - projection system; - magnetic marker board -1; - a set of wall stands on the theme of the office -6
Specialized audience for training of UAV operators	Software and hardware complex "Tactical simulator for training UAV operators"	- instructor’s workplace 1 pc.; - student workplace 12 pcs.; - projection system 1 set; - UAV piloting and simulation training module for performing special tasks (software + control equipment) 13 pcs.; - module of pre-flight preparation and creation of a flight mission 13 pcs.; - magnetic marker -1; - a set of wall stands on the theme of the office -6; - Geoscan Gemini software AgisoftMetashape (educational license for 1 workplace); - Geoscan Pioneer. Assembly kit (educational UAV of multi-rotor type with MVM up to 1 kg) – 10; - Geoscan Pioneer Mini educational UAV of multi-rotor type with a maximum take-off mass (MTW) up to 150 g) – 10;
Specialized audience for	Classroom for group and individual consultations	- night-vision device;

fundamentals of
military service

- thermal imager;
- binoculars 12x45 with a goniometric reticle;
- binoculars 12x45 with a rangefinder reticle;
- compass-25;
- small infantry blade with cover-25;
- body armor 6b23/6b45-6;
- universal shelter 6Sh120 -6;
- household dosimeter – 2;
- radiation reconnaissance device DP-5V -1;
- military chemical reconnaissance device VPHR-1;
- combined arms protective suit (OZK) -25;
- cross-sectional layout of a simple shelter - 1;
- cross-sectional layout of the shelter - 1;
- officer's line - 25;
- tactical first aid kit APPI 1-20;
- dressing packages IPP-1 –250;
- folding traction tire ShTS-01-6;
- sanitary stretchers EMERCOM-N-6;
- a set of physical visual aids of dummies of engineering ammunition with a virtual complex;

- portable radio stations -6;
- hand trainer for learning to stop bleeding -2;
- simulators of wounds and defeats (18 wounds) -10;
- mannequin simulator for practicing first aid skills for injuries - 5;
- robot simulator “Roman Trauma” - 5;
- suture and bandage simulator -5;
- basic resuscitation simulator BASICBilly+ -2;
- simulator-dummy of an adult victim “Victor-2.01 V” for practicing the skills of pulling out and transporting the wounded -2;
- simulator-dummy for practicing immobilization skills (with voice accompaniment);
- simulator-dummy of an adult victim for practicing immobilization and transportation skills 5;
- training dummy “Peter” for practicing the skills of extinguishing a burning body and providing first aid to a fire victim (with a light and sound indicator);
- teacher's workstation -1;
- magnetic marker board -1;
- set of wall stands on the theme of office 6;

Specialized audience for the First aid with elements of tactical medicine

Classroom for group and individual consultations

- Simulator-dummy of an adult victim (head, torso) with a controller for practicing cardiopulmonary resuscitation techniques;

- Trainer-dummy torso for cardiopulmonary resuscitation;

- Trainer-dummy torso for cardiopulmonary resuscitation;

- Simulator-dummy of an adult victim for practicing techniques for removing a foreign body from the upper respiratory tract;

- Simulator-dummy of an adult victim for practicing bleeding control with a pump;

- Simulator-dummy for practicing relief of tension pneumothorax ;

- Consumables for simulators (spare face masks, spare airways, films with a valve for artificial ventilation, artificial blood);

- Silicone damage simulation kit;

- First personal aid kit;

-tourniquet of Esmarch, Alpha; Individual dressing package

- Syringe tube (training);

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- - Immobilization devices for the upper, lower extremities, cervical spine (staircase splints, split tires, cervical collar, traction splint, immobilization belt).

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- Dressings (bandages, PPI-1, PPI-E, napkins, adhesive

plaster, medical scarves);
- Dragging stretchers;

Audience for independent work of students	Classroom for independent work of students (can be used for laboratory classes and consultations), equipped with a set of specialized furniture (auditorium 330 ATI)	Set of specialized furniture, Interactive complex: Optoma interactive whiteboard with projector TRIUMPH BOARD /X316 DPL (Fuji 3D), XGA (1024*768), 3200 ANSI Lm, 20, Software: Microsoft products (OS, office application suite, including MSOffice/ Office 365, Teams)
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* - the audience for independent work of students is MANDATORY!

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Kosolapova Nina Vasilyevna. Life safety : textbook / N.V. Kosolapova, N.A. Prokopenko. - M. : KnoRus, 2017, 2021. - 247 p. - (Bachelor's degree).
2. Belyakov, G. I. Fire safety, safety in emergency situations and first aid : textbook for universities / G. I. Belyakov. — 5th ed., revised and add. Moscow : Yurait Publishing House, 2024. 529 p. (Higher education).
3. Kaftan, V. V. Counteraction to terrorism: a textbook for universities / V. V. Kaftan. — 2nd ed., ispr. and add. Moscow : Yurait Publishing House, 2024. 261 p. (Higher education).
4. Anti-corruption: textbook and practice for universities / I. V. Levakin, E. V. Okhotsky, I. E. Okhotsky, M. V. Shedi; under the general editorship of E. V. Okhotsky. — 5th ed., revised and add. Moscow : Yurait Publishing House, 2024. 469 p
5. Bepalov, V. I. Supervision and control in the field of security. Radiation protection: a textbook for universities / V. I. Bepalov. — 6th ed., supplement. — Moscow : Yurait Publishing House, 2022 ; Tomsk : Publishing House of Tomsk Polytechnic University. - 722 p. — (Higher education). Yurayt Publishing House)
6. Vostroknutov, A. L. Fundamentals of topography : a textbook for universities / A. L. Vostroknutov, V. N. Suprun, G. V. Shevchenko ; under the general editorship of A. L. Vostroknutov. — 2nd ed., revised and add. — Moscow : Yurait Publishing House, 2024. — 219 p.
7. First aid (for law enforcement officers) : a textbook / O.A. Maltseva, PhD, et al. - Orel: ORYUI of the Ministry of Internal Affairs of Russia, 2017. - 80 p.
8. Pospeev, K. Y. Fire training of law enforcement officers : a textbook for universities / K. Y. Pospeev, N. V. Astafyev. — 2nd ed. — Moscow : Yurait Publishing House, 2024. — 206 p.

9. Military discipline and legal means of its strengthening: a textbook for universities / edited by Y.N. Tuganov. — 2nd ed., ispr. and add. Moscow : Yurait Publishing House, 2024. 186 p. (Higher education).
10. Legal support of national security : a textbook for universities / Yu. N. Tuganov [et al.] ; edited by Yu. N. Tuganov. — 2nd ed., revised and add. Moscow : Yurait Publishing House, 2024. 180 p. (Higher education).
11. Drill training: a textbook for universities / I. Y. Lepeshinsky, V. V. Glebov, D. V. Pogodaev, E. A. Shmakov. — 2nd ed. — Moscow : Yurayt Publishing House, 2024. — 119 p. — (Higher education).

Additional readings:

1. The military doctrine of the Russian Federation.
2. Collection of general military regulations of the Armed Forces of the Russian Federation.
3. Federal Law No. 53-FZ of March 28, 1998 "On Military Duty and Military Service" (with amendments and additions).
4. Shuldeshov, L. S. Fire training: a textbook / L.S. Shuldeshov, V.A. Rodionov, V.V. Uglyansky. Moscow: KNORUS, 2020– 216 p .
5. Andrienko, I.M. Drill training: textbook / I.M. Andrienko, A.A. Kotov, A.V. Moiseev, E.V. Smirnov, I.V. Shpilnoy. – Moscow: KNORUS, 2017. 170 p.
6. Mikryukov, V. Y. General military training: textbook / V.Y. Mikryukov. – Moscow: KNORUS, 2017. – 365 p.
7. Commander's work card : training manual. / I. D. Pombrick – M.
8. Manual on the use of personal protective equipment, M.

Resources of the Internet information and telecommunication network:

- RUDN University Electronic Library System - EBS RUDN University
<http://lib.rudn.ru/MegaPro/Web> - EBS "University Library Online" ---

<http://www.biblioclub.ru> - ABS Urite <http://www.biblio-online.ru> - EBS "Student Consultant"
www.studentlibrary.ru - EBS "Lan" <http://e.lanbook.com/> - EBS "Troitsky Bridge"

- The Ministry of Defense of the Russian Federation [Electronic resource]. Access mode:
<http://www.mil.ru/>

- The official website of the Security Council of the Russian Federation [Electronic resource].
 Access mode: <http://www.scrf.gov.ru/>

- Consultant Plus reference systems [Electronic resource]. Access mode:
<http://www.consultant.ru/>

Databases and search engines:

- electronic fund of legal and regulatory and technical documentation
<http://docs.cntd.ru/>

- Yandex search engine <https://www.yandex.ru/>

- Google search engine <https://www.google.ru/>
- SCOPUS abstract database <http://www.elsevierscience.ru/products/scopus/>

Educational and methodological materials for independent work of students during the development of the discipline/ module*:

1. A course of lectures on the discipline "Basic military training. Life safety" is located in TUIS.
2. Methodological guidelines for practical exercises and independent work of the discipline "Basic military training. Life safety" are located in TUIS.
3. Presentations of the discipline are located in TUIS.
4. Glossary of the discipline is located in TUIS.

** - all teaching materials for independent work of students are placed in accordance with the current procedure on the discipline page in the TUIS!*

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL UPON COURSE COMPLETION

Evaluation materials and point-rating system* for assessing the level of competence formation (GC-8) based on the results of mastering the discipline "Basic Military Training. Life Safety" are presented in the Appendix to this Work Program of the discipline.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

DEVELOPERS:

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of Technosphere Safety**

A.S. Boytsov

Position, ED

Signature

Surname.

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