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Должность: Ректор  
Дата подписания: 15.05.2024 16:14:52  
Уникальный программный ключ:  
ca953a0120d891083f939673078ef1a989dae18a

**Federal State Autonomous Educational Institution for Higher Education  
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA  
(RUDN University)  
Faculty of Economics**

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## **COURSE SYLLABUS**

### **LIFE SAFETY**

**Recommended by the Didactic Council for the Education Field of  
38.03.01 Economics**

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(code and name of the direction of training/specialty)

**The development of the discipline is carried out within the framework of the implementation  
of the main professional educational program of higher education:**

**International Economic Relations**  

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(name (profile/specialization))

## 1. COURSE GOALS

The purpose of mastering the discipline "LIFE SAFETY" is to form an idea among students about the patterns of formation of hazards and measures to prevent their impact on humans.

## 2. LEARNING OUTCOMES

Studying the discipline " LIFE SAFETY" is aimed at the formation of the following competencies (part of competencies) among students:

*Table 2.1. List of competencies formed in students when studying the discipline (results of mastering the discipline)*

Competence code	Competence	Competence indicators
GC-8 / УК-8	Able to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the event of a threat and the occurrence of emergencies and military conflicts / Способен создавать и поддерживать в повседневной жизни и в профессиональной деятельности безопасные условия жизнедеятельности для сохранения природной среды, обеспечения устойчивого развития общества, в том числе при угрозе и возникновении чрезвычайных ситуаций и военных конфликтов.	GC-8 / УК-8.1 Able to analyze the factors of harmful influence on the life of the elements of the environment (technical means, technological processes, materials, buildings and structures, natural and social phenomena) / Анализирует факторы вредного влияния на жизнедеятельность элементов среды обитания (технических средств, технологических процессов, материалов, зданий и сооружений, природных и социальных явлений) GC-8 / УК-8.2 Know how to identify and resolve issues related to safety violations in the workplace / Выявляет и устраняет проблемы, связанные с нарушениями техники безопасности на рабочем месте GC-8 / УК-8.3 Able to explain the rules of conduct in the event of emergencies of natural and man-made origin, as well as in the event of military conflicts / Разъясняет правила поведения при возникновении чрезвычайных ситуаций природного и техногенного происхождения, а также при возникновении военных конфликтов

GC-9 / УК-9	Able to use basic defectological knowledge in social and professional areas / Способен использовать базовые дефектологические знания в социальной и профессиональной сферах	GC-9 / УК-9.1 Possess ideas about the principles of non-discriminatory interaction in communication in various spheres of life, taking into account the socio-psychological characteristics of persons with disabilities / Обладает представлениями о принципах недискриминационного взаимодействия при коммуникации в различных сферах жизнедеятельности, с учетом социально-психологических особенностей лиц с ограниченными возможностями здоровья GC-9 / УК-9.2 Able to plan and carry out professional activities with persons with disabilities or disabilities / Планирует и осуществляет профессиональную деятельность с лицами, имеющими инвалидность или ограниченные возможности здоровья GC-9 / УК-9.3 Know how to interact with persons with disabilities in social and professional areas / Взаимодействует с лицами, имеющими ограниченные возможности здоровья или инвалидность, в социальной и профессиональной сферах
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### 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The discipline " LIFE SAFETY " refers to the part formed by the participants of the educational relations of block B1 of the EP.

Within the framework of the EP, students also master other disciplines and / or practices that contribute to the achievement of the planned results of mastering the discipline " LIFE SAFETY ".

*Table 3.1. List of Higher Education Program (me) components / disciplines that contribute to expected learning/training outcomes*

Шифр	Наименование компетенции	Предшествующие дисциплины/модули, практики*	Последующие дисциплины/модули, практики*
GC-8 / УК-8	Able to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the event of a		Final state examination procedures / Подготовка и сдача государственного экзамена Degree thesis procedures / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы

	threat and the occurrence of emergencies and military conflicts / Способен создавать и поддерживать в повседневной жизни и в профессиональной деятельности безопасные условия жизнедеятельности для сохранения природной среды, обеспечения устойчивого развития общества, в том числе при угрозе и возникновении чрезвычайных ситуаций и военных конфликтов.		
GC-9 / УК-9	Able to use basic defectological knowledge in social and professional areas / Способен использовать базовые дефектологические знания в социальной и профессиональной сферах		Enterprise economy / Экономика предприятия Вариативная компонента International Labour market and Migration / Мировой рынок труда и миграция Passport and visa diplomacy / Паспортная-визовая дипломатия Business protocol and etiquette in international business / Деловой протокол и этикет в международном бизнесе Technological internship / Технологическая практика Final state examination procedures / Подготовка и сдача государственного экзамена

\* - заполняется в соответствии с матрицей компетенций и СУП ОП ВО

#### 4. COURSE WORKLOAD AND LEARNING ACTIVITIES

TABLE 4.1. Types of academic activities during the period of the HE program(me) mastering

Type of educational work	TOTAL, academic hours	Semester			
					<b>1</b>
Contact academic hours	34				34

Type of educational work		TOTAL, academic hours	Semester			
						<b>1</b>
<b>В ТОМ ЧИСЛЕ</b>						
Lectures						
Lab work						
Seminars (workshops/tutorials)		34				34
Self-study (ies), academic hours		68				68
Evaluation and assessment academic hours		27				27
Overall labor intensity of the discipline	academic hours	<b>108</b>				<b>108</b>
	credits	<b>3</b>				<b>3</b>

## 5. COURSE MODULES AND CONTENTS

Course Modules and Contents	Modules and Topics (Units/Themes)	Course Modules and Contents
Section 1. Fire safety in everyday life	<p>Topic 1.1. Basic concepts and terms</p> <p>Topic 1.2. Fire prevention regime in RUDN University buildings</p> <p>Topic 1.3. Escape routes. Fire safety memo</p> <p>Topic 1.4. Whenchanging modern small-sized fire extinguishing equipment. Fire extinguishers (OU, OP). Fire cranes</p> <p>Topic 1.5. Automatic fire alarms (features of the APS in RUDN University)</p> <p>Topic 1.6. Fire safety in everyday life</p>	C3
Section 2. Theoretical foundations of life safety	<p>Topic 2.1 Basic concepts, terms and definitions.</p> <p>Topic 2.2 Characteristic systems "man - habitat".</p> <p>Topic 2.3 Industrial, urban, domestic, natural environment.</p> <p>Topic 2.4 Human interaction with the environment.</p> <p>Topic 2.5 The Law of Preservation of Life Kurazhkovsky Yu.N.</p> <p>Topic 2.6 Basics of optimal interaction: comfort, minimization of negative impacts, sustainable development of systems.</p>	C3
Section 3. Risks	<p>Topic 3.1 The concept of risk.</p> <p>Topic 3.2 Risk assessment.</p> <p>Topic 3.3 General classification of risks. Damage.</p> <p>Topic 3.4 The concept of risk.</p>	C3
Section 4. Natural emergencies and protection of the population from their consequences	<p>Topic 4.1 Natural emergencies.</p> <p>Topic 4.2 Basic concepts and definitions, classification of emergency situations: geophysical and geological hazards; meteorological and agrometeorological hazards; marine hydrological hazards; natural fires.</p> <p>Topic 4.3 Characteristics of the damaging factors of sources of emergency situations of a natural nature.</p> <p>Topic 4.4. Protection of the population from natural ЧС</p>	C3

Section 5. Man-made emergencies and protection of the population from their consequences	<p>Topic 5.1 Man-made emergencies.</p> <p>Topic 5.2 Basic concepts and definitions, classification of emergency situations: fires, explosions, threat of explosions; accidents with the release (threat of release) of accidentally hazardous chemically hazardous substances (AHOV); accidents with the release (threat of release) of radioactive substances (RV); accidents with the release (threat of release) of biologically hazardous substances (BOV).</p> <p>Topic 5.3 Damaging factors of man-made emergency sources. Phases of development of emergency situations.</p> <p>Topic 5.4. Protection of the population from man-made emergencies</p>	C3
Section 6. The world around us. Dangers arising in everyday life and safe behaviour	<p>Topic 6.1 The surrounding world and man, the nature of their interaction. Man as an object and subject of security. Situations that arise in the process of human life.</p> <p>Topic 6.2 Features of the city as a habitat. High-risk areas in the city.</p> <p>Topic 6.3. Terrorism in a megalopolis.</p>	C3
Section 7. Life Safety Management	<p>Topic 7.1 Organizational framework for life safety management.</p> <p>Topic 7.2 Legal framework for environmental quality management.</p> <p>Topic 7.3 Environmental quality management.</p>	C3
Section 8. Monitoring as the basis for managing human life safety	<p>Topic 8.1 The concept of monitoring.</p> <p>Topic 8.2 Types of monitoring: environmental, biospheric, socio-hygienic.</p>	C3
Section 9. Harmful addictions and their social consequences. First aid	<p>Topic 9.1 Computer addiction.</p> <p>Topic 9.2 The effect of alcohol on the human body.</p> <p>Topic 9.3 Drug and substance abuse.</p> <p>Topic 9.4 Smoking and its impact on human health.</p> <p>Topic 9.5. Healthy lifestyle</p>	C3

\* - заполняется только по **ОЧНОЙ** форме обучения: ЛК – лекции; ЛР – лабораторные работы; СЗ – семинарские занятия.

## 6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Name of special * placements and placements for independent work	Equipment of special placements and placements for independent work	List of licensed software. Details of the confirming document
Lecture Hall	Auditorium for lecture-type classes, equipped with a set of specialized furniture; whiteboard (screen) and technical means of multimedia presentations.	
Computer Lab	Computer class for classes, group and individual consultations, current control and intermediate certification, equipped with personal computers (in the amount of 21 pcs.), a whiteboard (screen) and	

Name of special * placements and placements for independent work	Equipment of special placements and placements for independent work	List of licensed software. Details of the confirming document
	technical means of multimedia presentations.	
For independent work of students	Computer class for classes, group and individual consultations, current control and intermediate certification, equipped with personal computers (in the amount of 21 pcs.), a whiteboard (screen) and technical means of multimedia presentations Computer class for classes, group and individual consultations, current control and intermediate certification, equipped with personal computers (in the amount of 21 pcs.), a whiteboard (screen) and technical means of multimedia presentations.	Компьютер с выходом в интернет

## 7. RECOMMENDED SOURCES FOR COURSE STUDIES

### *Main literature:*

1. Safety of life: textbook / N.V. Kosolapova, N.A. Prokopenko. - Electronic text data. - M. : KnoRus, 2017, 2021. - 247 p. - (Bachelor's Degree).
2. Burlakov A.A. Osnovy sozdatel'nykh utrat : uchebnoe posobie / A.A. Burlakov. - Electronic text data. - Moscow : GEOTAR-Media, 2020. - 176 p.

### *Further reading:*

1. Avdotyin Vladimir Petrovich. Interdisciplinary Research on Technospheric Safety: Russian and Foreign Experience : Monograph / V.P. Avdotin, V.A. Akimov, V.G. Plyushchikov. - Electronic text data. - Moscow : RUDN University, 2021. - 248 p.
1. Belov, S. V. Safety of life: ucheb. for universities / S. V. Belov, A. V. Il'nitskaya, A. F. Kozyakov et al.; under the general editorship of S. V. Belov. -Ed. 3rd, ispr. i dop. - M.: Vysshaya. shk., 2006.
2. Life safety. Prokopenko N. A., Kosolapova N. V., Guskov G. V., Arustamov E. A. et al. Series: "Secondary vocational education", 2006, Ed.: Akademiya/Academia textbook for stud.sred.prof.ucheb.uchebnyi; Stamp of the Ministry of Defense of the Russian Federation; 4th ed., ster.; Textbook; SPO.
3. Life safety at work (labor protection): Textbook for universities. Belyakov G. I., series: "Textbooks for universities. Special Literature", 2006, Ed.: LAN Publishing House.
4. Laboratory workshop on the discipline "Life Safety" for students of all specialties of full-time and part-time forms of education / Compilers: Kostovich D.D., Kurdyukova E.A., Kostovich E.D., – Tiraspol, 2007 – 117 p.
1. Safety and protection of the population in conditions of natural and man-made emergencies. Educational and methodical manual on the discipline "Security" жизнедеятельности» для студентов всех специальностей и форм обучения. Авторы-составители: Д.Д. Костович, Ю.А.

Цирулик, Е.В. Дяговец. Часть 1. Тирасполь, 2006 г

1. Safety and protection of the population in conditions of natural and man-made emergencies. Educational and methodical manual on the discipline "Life Safety" for students of all specialties and forms of education. Authors-compilers: D.D. Kostovich, Yu.A. Tsirulik, E.V. Diagovets. Part 2. Tiraspol, 2007
2. Protection of the population and economic facilities in emergency situations. Radiation safety. Ch. 3, Dorozhko S. V., Pustovit V. T., Bubnov V. P., 2006, Ed.: Amalfeya, DIKTA, PUBLISHING HOUSE OF BUSINESS AND EDUCATIONAL LITERATURE.
3. How to Survive Natural Disasters Tutorial, Series: Extreme Emergencies. Chumakov B. N., 2005 g., Izd.: PEDAGOGHESKOE OBSHCHESTVO ROSSII (TSENTRAL'NYI SOVET) .
4. Fire Safety: Ucheb. manual for universities. Ed.2, dop. i pererab. Pchelintsev V. A., Baratov A. N., Baratov L. V., 2006., Ed.: ASSOCIATION OF CONSTRUCTION UNIVERSITIES, PUBLISHING HOUSE.
5. SanPiN2.22.542-96 "Hygienic requirements for video display terminals, personal computers and work organization". - M.: Goskomsanepidemnadzor of Russia, 1996.
6. Atamanyuk V.G. Grazhdanskaya oborona, - M.: Vysshaya shkola, 1987.
7. Safety in emergency situations. Textbook for universities. Mastryukov B. S., series: "Higher professional education", 2006, Ed.: Academia/ Academia.
8. Life safety. Malayan K., Zanko N., series: "Textbooks for universities. Special Literature", 2005, Publisher: OMEGA-L, GROUP OF COMPANIES.
9. Life safety in emergency situations: Ucheb. manual for universities. Sychev Y. N., 2007, Publisher: FINANCE AND STATISTICS, PUBLISHER
10. Fundamentals of Life Safety: Ucheb. manual for secondary schools. Ed.3 Hwang P. A., Hwang T.A., series: "Secondary vocational education", 2006, Ed.: Phoenix.
1. Safety of human life in electromagnetic fields. Kalyada T. V., Sindalovsky B. E., Apollonsky S. M., 2006, Ed.: POLITEKHNIKA, IZDATELSTVO.
2. Life safety. Prokopenko N. A., Kosolapova N. V., Platonov A. P., Voloshchenko A. E., Guskov G. V., Arustamov E. A. - under the general editorship of Prof. Arustamova E. A., 2007, Publisher: ITK "Dashkov and K"
3. LIFE SAFETY. TEXTBOOK FOR SECONDARY SPECIAL EDUCATIONAL INSTITUTIONS. Devisilov V. A., Belov S. V., Koziakov A. F., ed., 2006, Publisher: Vysshaya shkola (Moscow), Vysshaya Shkola
4. Radiation safety: training. manual for universities. Chernukha G. A., Lazarevich N. V., Lalomova T. V., 2006 g., Izd.: IVC Finaniya.
5. A.P. Pavlov. The impact of electromagnetic radiation on vital activity. Tutorial. M.: «Helios ARV», 2002. – 224 p.
6. Medical and biological foundations of life safety Zanko N. G., Retnev V. M., series: "Higher professional education", 2004, Ed.: Academia / Academia.

*Resources of the information and telecommunication network "Internet":*

1. EBS RUDN University and third-party EBS, to which university students have access on the basis of concluded contracts:
  1. RUDN-EBS Electronic library system RUDN University



<http://lib.rudn.ru/MegaPro/Web>

2. EBS "University Library Online" <http://www.biblioclub.ru>
3. ЭБС Юрайт <http://www.biblio-online.ru>
4. EBS "Student Consultant " [www.studentlibrary.ru](http://www.studentlibrary.ru)
5. EBS "Lan" <http://e.lanbook.com/>
6. EBS "Troitsky Bridge"

7. Databases and search engines:

1. Software RiskProf [Electronic resource] – Access mode: <https://riskprof.ru/>
2. Reference legal system «ConsultantPlus» [Electronic resource] – Access mode: <http://www.consultant.ru>.
3. Rambler search engine. [Electronic resource] Access mode: <http://www.rambler.ru>
4. Mail search engine. [Electronic resource] Access mode: <http://www.mail.ru>
5. Yandex search engine. [Electronic resource] Access mode: <http://www.yandex.ru>
6. Google search engine. [Electronic resource] Access mode: <http://www.google.ru>
7. abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

*Educational and methodical materials for independent work of students when mastering the discipline / module\*:*

1. Theoretical material on the discipline "Life Safety".
2. Tasks for independent work of students in the discipline "Life Safety".
  1. - all educational and methodological materials for independent work of students are placed in accordance with the current procedure on the page of the discipline **in TUIS!**

## **8. EVALUATION TOOLKIT & GRADING SYSTEM FOR ASSESSING THE LEVEL OF FORMATION OF COMPETENCIES IN THE COURSE**

Evaluation materials and a grading system\* for assessing the level of formation of competencies (part of competencies) based on the results of mastering the discipline "Basics of international trade" are presented in the Appendix to this Course Syllabus of the discipline.

### **AGREED**

Доцент Департамента Техносферной  
безопасности  
\_\_\_\_\_  
Должность, БУП

  
\_\_\_\_\_  
Подпись

\_\_\_\_\_  
Н.И. Хаирова  
Фамилия И.О.

**РУКОВОДИТЕЛЬ БУП:**  
Департамент Техносферной  
безопасности  
\_\_\_\_\_  
Наименование БУП

  
\_\_\_\_\_  
Подпись

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Фамилия И.О.

Head of the Higher Education  
Program(me)  
Doctor of Economics, Professor of





