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INTERNATIONAL EUROPEAN
UNIVERSITY



EUROPEAN SCHOOL OF BUSINESS

Health and safety,
labor protection and civil defense

2022-2023



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Course Name 

 Health and safety, labor protection and civil defense

Lecturer (s) 

 Kateryna Kopach, PhD in Medicine, associate professor at the Department of Fundamental, Medical and Preventive Disciplines KOVALENKO V.V.

Lecturer's profile 

 <https://medicine.ieu.edu.ua/pro-yemsh/kafedry/kafedra-fundamentalnykh-dystsyplin>

Consultations

online consulting  –

offline consulting  Every Wednesday from 2 p.m. to 3 p.m..

Contact number 



E-mail 

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Discipline page 

 <https://business.ieu.edu.ua/navchannia/orhanizatsiia-osvitnoho-protsestu/robochi-prohramy/bakalavrat>

Form of final control

test

def. test

exam





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1 Brief discipline annotation

This academic discipline is the theoretical foundation of the set of knowledge and skills forming the profile of a marketing specialist. The discipline provides students with the necessary theoretical knowledge, which is an integral part of work of modern specialists. Knowledge of the discipline gives the opportunity to improve the quality of marketing and, consequently, to ensure the sustainable development of the enterprise's business.

2 Background for studying discipline

The background for studying the Health and safety, labor protection and civil defense discipline is human health and safety, labor protection and civil defense.

The Health and safety, labor protection and civil defense discipline is based on knowledge of basic natural science disciplines that lay the foundation for knowledge, skills and abilities determined by the ultimate goals of the program required in professional activities.

3 Goal and objectives of the discipline

The goal of the Health and safety, labor protection and civil defense discipline is to provide future specialists with competencies, knowledge, abilities and skills to conduct professional activities in the specialty, taking into account the risk of man-caused and natural hazards.

Key objectives of the Health and safety, labor protection and civil defense discipline:

- to provide students with knowledge, skills, and efficient organization of safe living activities with obligatory consideration of occupational safety requirements;
- to guarantee the preservation of life, health and work ability of employees in various spheres of professional activities, protection of personnel, population, material and cultural values in the context of natural, man-caused, social and political hazards;
- to study general provisions of life safety.

4 Learning outcomes

PLO 1. To show knowledge and understanding of the theoretical fundamentals and principles of marketing activities.

PLO 3. To apply acquired theoretical knowledge to solve practical marketing tasks.

5 ECTS credits

3 ECTS credits / 90 academic hours

Content sections and topics	Amount of hours											
	total	full-time mode of study					total	part-time mode of study				
		including	including	including	including	including						
1	2	l	p	lab.	ind.	i. w.	8	l	p	lab.	ind.	i. w.
	3	4	5	6	7		9	10	11	12	13	
Content section 1. Health and safety												
Topic 1. Categorical and conceptual apparatus of health and safety. Classification of hazards as a factor of safety.	14	2	2	-	-	10	10	-	-	-	-	10
Topic 2. Human health as a basic condition of his/her safety. Ergonomic justification of assessment in health and safety.	12	2	2	-	-	8	14	1	1	-	-	12
Total per content section 1	26	4	4			18	24	1	1			22
Content section 2. Labor protection												
Topic 3. General issues of labor protection. Ukrainian legislative and regulatory framework for labor protection.	14	2	2			10	12	1	1			10
Topic 4. Organization of labor protection at the production facility. Types of labor protection training	9	2	2			5	10	-	-			10
Topic 5. Analysis of working conditions in terms of harmful and dangerous factors of the working environment, severity and intensity of the work process.	9	2	2			5	11	1	-			10
Topic 6. Analysis of traumatism and occupational disease rate. Investigation and recording of accidents.	14	2	2	-	-	10	12-	-	-	-	-	12
Total per content section 2	46	8	8	-	-	30	45	2	1	-	-	42
Content section 3. Civil defense												
Topic 7. Fundamentals of civil defense. Ukrainian civil defense state policy in emergencies	9	2	2	-	-	5	11	1	-	-	-	10
Topic 8. Emergencies and their consequences. Protection of population and territory in emergencies	9	2	2	-	-	5	10	-	-	-	-	10
Total per content section 3	18	4	4	-	-	10	21	1	-	-	-	20
Total hours	90	16	16	-	-	58	90	4	2	-	-	84



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7

List of obligatory tasks

Categorical and conceptual apparatus of health and safety. Classification of hazards as a factor of safety. Human health as a basic condition of his/her safety. Ergonomic justification of assessment in health and safety.

General issues of labor protection. Ukrainian legislative and regulatory framework for labor protection.

Organization of labor protection at the production facility. Types of labor protection training.

Analysis of working conditions in terms of harmful and dangerous factors of the working environment, severity and intensity of the work process.

Analysis of traumatism and occupational disease rate. Investigation and recording of accidents.

Fundamentals of civil defense. Ukrainian civil defense state policy in emergencies

Emergencies and their consequences. Protection of population and territory in emergencies

8

List of selective tasks

1. Methodological basics of life safety. Safety in the human-technology-environment system. Application of a risk-oriented approach to build probabilistic structural and logical models of the emergence and development of hazards.

2. Review of the Laws of Ukraine “On Healthcare”, “On Ensuring Sanitary and Epidemic Safety of the Population”. Harmful habits and their impact on health.

3. Ukrainian legislative and regulatory framework for labor protection. Review of the Law of Ukraine “On Labor Protection”.

4. Review of the “Standard Regulations on training in labor protection”.

5. To learn measurement units of indicators of classification signs of emergencies and their thresholds in the natural environment, industrial, transport and other life spheres.

6. Review of the Code of Civil Protection of Ukraine. Section 5 – Emergency Prevention, ISO13571:2007 Life-threatening components of fire. Guidelines for the estimation of time available for escape using fire data.

7. To learn the main methods of identifying natural hazards, nomenclature and measurement units.

8. To learn the range of works at the site to prevent the emergency caused by an accident with the release of hazardous chemicals, localization and elimination of the consequences of contamination of terrain, water, food, taking into account the current industry standards and rules of chemical control.

9

Discipline features

Period of teaching	Semester	International disciplinary integration	Year of study	Courses: general training/ professional training/elective
1 semester	1st semester	available	1st year	General training



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10 Assessment system and requirements. General system of discipline assessment

As part of discipline teaching, one carries out current and final control of students' knowledge. The final grade in the form of a test is given according to the total rating of students.

QR Code: <https://ie.u.edu.ua/docs/pol-mark-esb.pdf>

According to the results of current control during a semester, students can obtain 100 points maximally, the minimum sum of points allowing students to pass the discipline is 60 points.

Correlation between national and ECTS grades and student rating: QR Code: <https://ie.u.edu.ua/docs/pol-mark-esb.pdf>

11 Admission to final control

The minimum amount of points that should be obtained by students for current educational activities during a semester to be admitted to the final control is 36 points. The grade for the discipline is defined as a sum of the final points for current activities and the points for the final control and is expressed due to the multipoint scale.

The grade for the discipline completing with the test is determined as the sum of points for current learning activities (at least 36), points for individual independent work of students (no more than 6) and points for the test (at least 24).

The overall points of the discipline are 100. The total grade for the discipline is given according to the national and European scale.

The final control in the form of an exam is carried out after learning all the topics of the discipline, during the examination session.

QR Code: <https://ie.u.edu.ua/docs/050.pdf>

12 Discipline policy

To ensure fruitful learning and cognitive activities of students while studying the discipline, one holds relevant lectures and seminars in the form of presentations, case studies, group work and discussion seminars.

During classes and at the University, students should respect lecturers, staff and other students, attend classes according to the schedule, come on time and not leave classes without lecturer's permission. All academic assignments should be performed by the deadlines.

The teaching staff should constantly advance their professional level, teaching skills, general culture, as well as provide students with appropriate conditions for learning educational programs according to the requirements for the content, level and capacity of education, and encourage their comprehensive professional development. Lecturers should follow the curriculum, not be late for classes, not allow any manifestations of corruption, discrimination, bullying, harassment and infringement of the students' rights.

13 Policy of absence and late task performance

Students who miss the current control for valid reasons confirmed by documents have the right to take current control within two weeks after returning to studying.

Students who have missed classes without valid reasons, have not participated in current control activities, have not liquidated academic failure are not admitted to the final semester control of this discipline. In this case, an academic staff member puts a mark 'non-admission' in the exam record.

Repeated taking of the exam in the discipline is appointed in case of accomplishing all types of educational, independent (individual) work stipulated by the working program of the academic discipline and is carried out according to the approved schedule of academic failure liquidation.

QR Code: <https://ie.u.edu.ua/docs/050.pdf>



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14 Academic integrity policy

Participants in the educational process rely on the academic integrity principles QR Code: <https://ieu.edu.ua/docs/011.pdf>

15 Recommended sources of information

Primary literature:

1. Kuznetsova N.V., V.V. Kruchyna, H.V. Myhal, V.L. Kleievska. – Health and safety [Text]: study guide to the laboratory workshop / N.V. Kuznetsova, V.V. Kruchyna, H.V. Myhal, V.L. Kleievska. – Kharkiv: National Aerospace University named after Zhukovsky “Kharkiv Aviation Institute”, 2020. – 56 p.
2. Levchenko O.H. et al. Life safety and civil protection. Textbook. / Levchenko O.H., Polukarov O.I., Prakhovnyk N.A., Zemlianska O.V. / Edited by Levchenko O.H. – K.: Osнова, 2018. – 364 p.
3. Horokhovskiy Y.Y. Health and safety: lecture notes for Bachelor’s students of all areas of training. Zaporizhzhia: ZNU, 2020. 105 p.
4. Health and safety / Stytsenko T.Y., Serdiuk N.M., Proniuk H.V., Khondak I.I. // Study guide. – Kharkiv: NURE, 2018. – 336 p.
5. Fundamentals of labor protection / Zaporozhets O.I. Protoiereiskyi O.S., Franchuk H.M., Borovyk I.S. Kyiv, 2019. 264 p.
6. Kuris Y.V., Bielokon K.V., Ryzhkov V.H. Fundamentals of labor protection: textbook. Zaporizhzhia: ZSEA, 2015. 180 p.
7. Bielokon K.V., Surzhytska L.A., Tsymbal V.A., Karnaukh A.A. Civil defense: lecture notes. Zaporizhzhia: ZSEA, 2015. 70 p.

Additional literature

1. Zhelibo Y.P., Zaverukha N.M., Zatsarnyi V.V. Health and safety. Study guide / edited by Y.P. Zhelibo. 6th ed. – K.: Caravela, 2009. – 344 p.
2. Berezutskiy V.V., Vaskovets L.A., Vershynina N.P. et al. Health and safety: / Study guide / edited by Prof. V.V. Berezutskiy. – Kh. Fact, 2005, – 348 p.
3. Fundamentals of labor protection: Textbook. 2nd edition / K.N. Tkachuk, M.O. Halimovskiy, V.V. Zatsarnyi et al. – K.: Osнова, 2011. – 480 p.
4. Yevdin O.M., Mohylnychenko V.V. et al. Protection of the population and territories from emergencies. Vol.1. Man-caused and natural hazards. Vol. 3. Engineering and technical measures of civil protection (civil defense) and urban planning. Textbook. – K.: KIM, 2007, 2008. – 636 p., – 152 p.
5. Mykhailiuk V.O., Khalmuradov B.D. Civil security: Study guide. – K: Center for educational literature, 2008. – 158 p.
6. Zhyhuts Y.Y., Tsyhyka V.V. Engineering ecology (for engineering students). – Uzhhorod: Invasor Individual Entrepreneur, 2020. – 204 p.
7. Rusalovskiy A.V. Legal and organizational issues of labor protection: Study guide. – 4th edition, supplemented and revised. – K.: Ukraine University, 2009. – 295 p.
8. Gogitashvili G.G., Karchevski Y.-T., Lapin V.M. Occupational safety and risk management according to international standards: Study guide – K.: Znannia, 2007. – 367 p.
9. DBN. V.2.5-28-2018 Natural and artificial lighting.
10. DSNiP 3.3.6.096-2002 State Sanitary Norms and Rules for Work with Sources of Electromagnetic Fields.
11. NPAOP 0.00-2.23-04 The list of means and measures for safety, and the costs of acquisition are deductible expenses. Decree of the Cabinet of Ministers of Ukraine No. 994 dated June 27, 2003.
12. NPAOP 0.00-8.24-05 List of works with high-risk. Order of the State Committee of Ukraine on Supervision of Labor Protection No. 15 dated January 26, 2005.
13. The list of jobs where there is a need for professional selection. Order of the Ministry of Health of Ukraine and the State Committee of Ukraine on Supervision of Labor Protection No. 263/121 dated September 23, 1994.



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15 Recommended sources of information

14. Recommendations for the construction, implementation and improvement of safety management. Approved by the Chair of the State Committee of Ukraine on Supervision of Labor Protection on February 7, 2008.

15. Council of the European Communities Directive 89/391 / EEC On introducing measures to help improve the safety and health of workers.

16. ILO Convention 187 On the basis that promote safety and health.

17. International standard SA8000: 2001 Social Responsibility. SAI SA8000: 2001 Social Accountability International.

18. International Standard ISO 26000: 2010 – Guidance on social responsibility. ISO 26000: 2010 (Draft) Guidance on Social Responsibility.

19. The international standard OHSAS 18001: 2007 Occupational health and safety management systems – Requirements. Safety management systems – Requirements.

20. International Standard OHSAS 18002, Guidelines for the implementation of OHSAS 18001. Guidelines for the implementation of OHSAS 18001.

Information resources

1. <http://www.dnop.kiev.ua> – Official website of the State Committee of Ukraine on Industrial Safety, Protection of Labour and Mining Supervision

2. <http://www.mon.gov.ua> – Official website of the Ministry of Education and Science, Youth and Sports of Ukraine.

3. <http://www.mns.gov.ua> – Official website of the Ministry of Emergency Situations of Ukraine.

4. <http://www.social.org.ua> – Official website of the Fund of Social Insurance Against Industrial Accidents and Occupational Diseases in Ukraine.

5. <http://base.safework.ru/iloenc> – ILO's Encyclopaedia of Occupational Health and Safety.

6. <http://base.safework.ru/safework> – ILO Safe Work Library.

7. <http://www.nau.ua> – Statutory Acts of Ukraine Information and Search Legal System.

16 Tips on successful study during the course

If you want to succeed in this discipline, you should be:

- **persistent, attentive and curious;**

- **creative, cheerful, and open to communication and discussions;**

- **ready to acquire information and knowledge about the subject not only during lectures but also during extracurricular activities.**

See you at classes!