MINISTRY OF HEALTH OF UKRAINE
ODESA NATIONAL MEDICAL UNIVERSITY
Department of Organization and Economics of Pharmacy with postdiploma specialization

CONFIRMED by
Vice-rector for scientific and pedagogical work

_____ Eduard BURIACHKIVSKYI

«_1st_» _September_ 20_25_ y.

WORKING PROGRAM IN THE DISCIPLINE

OCCUPATIONAL SAFETY IN THE INDUSTRY

Level of higher education: second (master's degree)

Field of knowledge: 22 «Health care»

Specialty: 226 "Pharmacy, industrial pharmacy"

Specialization: 226.01 «Pharmacy»

Educational and professional program: Pharmacy, industrial pharmacy

2025

The work programme is based on the educational and professional programme 'Pharmacy, Industrial Pharmacy' for the training of specialists of the second (master's) level of higher education in the specialty 226 'Pharmacy, Industrial Pharmacy' specialisation 226.01 "Pharmacy" in the field of knowledge 22 'Health Care', approved by the Academic Council of ONMedU (Minutes No. 10 of 27 June 2024) and the educational and professional programme 'Pharmacy, Industrial Pharmacy' for training specialists of the second (master's) level of higher education in the specialty I8 "Pharmacy (by specialisation) specialisation I8.01 'Pharmacy' in the field of knowledge I 'Health Care and Social Security', approved by the Academic Council of ONMedU (Minutes No. 8 of 24 April 2025).

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The working program is approved at the meeting of the department of Organization and Economics of Pharmacy with postdiploma specialization

Minutes No. 1 dated 28/08/2025.

Head of the department _____ Oksana BIELIAIEVA

Approved by the guarantor of
the educational and professional program _____ Liana UNHURIAN

Approved by the subject-cycle methodological commission for pharmacy's disciplines of ONMedU
Minutes No. 1 dated 29/08/2025

Head of the subject-cycle methodological commission for pharmacy's disciplines of ONMedU

_____ Natalia FIZOR

Revised and approved at the meeting of the department of Organization and Economics of Pharmacy
Minutes No. __ dated __/__/20__.
Head of the department _____

Revised and approved at the meeting of the department of Organization and Economics of Pharmacy

Minutes No. __ dated __/__/20__.

Head of the department _____

1. DESCRIPTION OF THE DISCIPLINE

Name of indicators	Field of knowledge, specialty, specialization, level of higher education	Characteristics of the academic discipline
The total number of: Credits: 3.0 Hours: 90	Field of knowledge I Health care and social security Specialty I8 Pharmacy (by specialization) Specialization I8.01 "Pharmacy" Level of higher education second (master's degree)	Full-time education Compulsory subject Year of preparation: 1 Semesters II Lectures (20 hours) Seminar (0 hours) Practical (30 hours) Laboratory (0 hours) Independent work (40 hours) Final control – credit

2. The Purpose and Objectives of the Discipline, Competencies and Program Learning Outcomes.

Purpose. To provide higher education students with the knowledge and skills related to the organization and provision of safe and harmless working conditions, which are necessary for making decisions aimed at improving working conditions, protecting workers from the effects of harmful and dangerous factors in the working environment, and the ability to implement scientific and technological advances aimed at preventing and eliminating dangerous situations at business facilities, and providing prompt assistance to victims, taking into account the specifics of future professional activities.

Objectives:

1. formation of professionally necessary knowledge, skills and abilities in accordance with the educational and qualification characteristics;
2. providing a theoretical basis for obtaining knowledge on creating and maintaining safe working conditions during the receipt, transportation, storage and sale of medicines;
3. mastering methods and means of creating safe working conditions to maintain the health and working capacity of pharmaceutical personnel;
4. risk identification and justification of measures aimed at preventing hazardous situations in the workplace.

The process of studying the discipline is aimed at forming elements of the following competencies:

General (GC):

- GC01. The ability to think abstractly, analyze and synthesize, learn and be modernly trained.
- GC 02. Knowledge and understanding of the subject area and understanding of professional activity.
- GC 05. Ability to evaluate and ensure the quality of work performed.
- GC 06. Ability to work in a team.
- GC 07. The ability to exercise one's rights and responsibilities as a member of society; to be aware of the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, and the rights and freedoms of man and citizen in Ukraine.

Special/professional (SPC):

- SC01. Ability to integrate knowledge and solve complex pharmacy problems in broad or multidisciplinary contexts.
- SC 02. Ability to collect, interpret and apply data necessary for professional activities, research and implementation of innovative projects in the field of pharmacy.
- SC 03. Ability to solve pharmacy problems in new or unfamiliar environments with incomplete or limited information, taking into account aspects of social and ethical responsibility.
- SC 04. The ability to clearly and unambiguously convey one's own knowledge, conclusions, and reasoning in the field of pharmacy to specialists and non-specialists, in particular to students.

Program Learning Outcomes (PLO):

- PLO 01. Have and apply specialized conceptual knowledge in the field of pharmacy and related fields, taking into account modern scientific achievements.
- PLO 02. Critically reflect on scientific and applied problems in the field of pharmacy.
- PLO 03. Have specialized knowledge and skills to solve professional problems and tasks, including for the purpose of further developing knowledge and procedures in the field of pharmacy.
- PLO 09. Formulate, argue, clearly and specifically convey to specialists and non-specialists, including higher education students, information based on their own knowledge and professional experience, the main trends in the development of world pharmacy and related industries.
- PLO 15. Predict and determine the impact of environmental factors on the quality and consumer characteristics of medicinal products of natural and synthetic origin and other pharmacy products, organize their storage in accordance with their physicochemical properties and the rules of Good Storage Practice (GSP).

As a result of studying the educational component, a higher education applicant must:

Know:

- legislative and regulatory acts on labor protection;
- requirements of sanitary and hygienic regime and labor protection conditions;
- orders and instructional materials of the Ministry of Health of Ukraine regarding information and technical support for pharmaceutical specialist workplaces;
- system of organizing occupational safety at a pharmaceutical enterprise;
- duties and responsibilities of managers and administrators regarding ensuring safe working conditions for workers
- basics of psychological safety in the workplace.

Be able to:

- assess working conditions at the workplaces of pharmaceutical workers;
- possess the skills to organize safe working conditions for pharmaceutical workers;
- act in accordance with occupational safety requirements in the event of dangerous situations;
- develop and draw up job descriptions and instructions on labor protection in pharmacy establishments;
- demonstrate knowledge of investigating accidents, occupational diseases, and incidents.

3. CONTENT OF THE ACADEMIC DISCIPLINE

Topic 1. Ukrainian legislation on labor protection. Main legislative acts on labor protection: Law of Ukraine "On Labor Protection", Law of Ukraine "On Health Protection"; Law of Ukraine "On Compulsory Social State Social Insurance"; Civil Protection Code of Ukraine; Law of Ukraine "On Ensuring Sanitary and Epidemiological Well-being of the Population"; Law of Ukraine

"On Basic Principles of State Supervision (Control) in the Sphere of Economic Activity"; Resolution of the Cabinet of Ministers of Ukraine "On the Procedure for Conducting Certification of Workplaces by Working Conditions"; Resolution of the Cabinet of Ministers of Ukraine «On approval of the Procedure for investigation and accounting of accidents, occupational diseases and accidents at production facilities. Labor agreements. Liability for violation of legislation. Stimulation of labor protection. State social insurance against accidents and occupational diseases.

Topic 2. Guarantees of labor protection rights. Labor Code of Ukraine. Collective agreement. Employment contract. Rules of internal labor regulations Rights and obligations of citizens on labor protection. Labor protection of women, youth and disabled people. Mandatory medical examinations of employees of certain categories. State and public control over labor protection. Responsibility for violation of labor protection legislation.

Topic 3. Accidents, occupational diseases of pharmacy employees, their investigation and accounting. Causes of accidents and occupational diseases, their classification. Preventive measures to prevent accidents and morbidity at work. Procedure for investigating accidents that occurred during working hours. Duties of the manager and witnesses in the event of an accident. Accident reporting. Organization of an accident investigation. Work of the accident investigation commission. Features of conducting a special accident investigation. Investigation materials, accounting procedure and reporting.

Topic 4. Psychological safety in the workplace. The concept, causes of mobbing and its signs. Forms of mobbing and ways of its manifestation. Obligations of the employer regarding counteraction to mobbing. Actions of an employee who has been discriminated against or mobbed at work. Rights of victims of harassment and legal consequences for committing mobbing. Administrative liability for committing mobbing.

Topic 5. Occupational safety in pharmacies. Requirements for the location and composition of premises pharmaceutical industry establishments. Safety and industrial sanitation requirements during the manufacture of medicines. Safety and industrial sanitation requirements during the production of purified water and water for injections. Safety and industrial sanitation requirements during the storage of medicines. Arrangement of warehouse and material premises in accordance with drug groups. Sanitary supervision of pharmacy establishments. Methods of pharmaceutical waste disposal.

Topic 6. Occupational safety when working with SDOR. Occupational safety when working with narcotic, poisonous and potent substances. Requirements for their storage. Procedure for admitting personnel to work, medical examinations (narcological examinations). Reporting of institutions working with narcotic, poisonous and potent substances.

Topic 7. Microclimate of production premises. Requirements for the microclimate of premises. Requirements for the air of the working area. Ventilation of premises, their classification and definition. Indicators for assessing the performance of general ventilation. Calculation of air exchange. Assessment of the efficiency of ventilation. Normalization of microclimate parameters. Definition of the working area. Ventilation of workplaces in a pharmacy. Optimal and permissible microclimatic conditions.

Topic 8. Sanitary and hygienic regulation of air pollution in production. Maximum permissible concentrations and approximate safe levels of exposure to harmful substances in the air of the working area. General measures and means against air pollution. Protection of workers.

Topic 9. Requirements for production premises and technological equipment. Production of medicinal products. Safety requirements for pressure vessels. Safety of operation of steam and hot water boilers. Safety of operation of compressor refrigeration units. Safety of operation of stationary pressure vessels. Requirements for storage and transportation of raw materials, materials, finished products and industrial waste. Safety, signaling and blocking devices. Safety during operation of cylinders. Classification of cylinders. Inscriptions on cylinders, color of paint, color of transverse stripe.

Topic 10. Natural and artificial lighting of production premises. Rational lighting of premises and workplaces. Types and classification of lighting. Quantitative and qualitative indicators

of lighting, their calculation: luminous flux, luminous intensity, illumination, brightness, background, contrast, visibility, discomfort. Characteristics of visual work and the smallest size of the object of distinction. Natural lighting of premises, its calculation. Artificial lighting, calculation of the level of illumination of the premises.

Topic 11. Electrical safety. Causes of electrical injuries at work. The effect of electric current on a person. Factors affecting the consequences of electric shock. Types of electrical injuries. Safety precautions when working with electricaldevices. Organization of safe operation of electrical devices. Provision of first aid in case of electric shock. Training and instruction in electrical safety.

Topic 12. Radiation. Types of radiation. Human protection from the effects of ionizing radiation. Detailed instructions on the procedure for carrying out work, accounting, storage and use of radiation sources. Procedure for conducting dosimetric control. Means of protecting workers from radiation.

Topic 13. Safety techniques and personal hygiene of personnel when working in pharmacies. Safety and industrial sanitation rules NAOP 9.1.50-1.07-76. Carrying out measures aimed at preventing hazards associated with the specifics of work in a pharmacy. Safety and personal hygiene of personnel when working in pharmacies. Instructions on labor protection by professions and types of work. Job descriptions of pharmaceutical specialists.

Topic 14. Personal protective equipment for pharmaceutical workers

The role of PPE in workplace safety. Purpose of PPE. Classification. Principles of PPE selection. Application, care of PPE. Rules for using PPE. Responsibility for the proper condition of PPE

Topic 15. Fire safety requirements in pharmacies. Basic concepts and definitions. Normative documents regulating fire safety. Fire-hazardous properties of materials and substances. Fire prevention systems. Fire protection system. Occupational safety requirements for the storage and use of flammable substances. Fire supervision of pharmacy establishments.

4. THE STRUCTURE OF THE ACADEMIC DISCIPLINE

Topic names	Number of hours					
	Total	including				
		lectures	eminars	practical	laboratory	ISW
Topic 1. Ukrainian legislation on labor protection.	8	2	-	4	-	2
Topic 2. Guarantees of labor protection rights.	6	2	-	-	-	4
Topic 3. Accidents and occupational diseases pharmaceutical workers, their investigation and accounting.	6	2	-	2	-	2
Topic 4. Psychological safety at workplace	4	2	-	-	-	2
Topic 5. Occupational safety in pharmacy establishments.	10	2	-	4	-	4
Topic 6. Occupational safety when working with SDOR.	6	2	-	2	-	2
Topic 7. Microclimate of production premises	6	2	-	2	-	2

Topic 8. Sanitary and hygienic rationing pollutionair environment in production.	2	-	-	-	-	2
Topic 9. Requirements for production premises and technological equipment.	6	2	-	2	-	2
Topic 10. Natural and artificial lighting of production facilities premises.	4		-	-	-	4
Topic 11. Electrical safety. Causes of electrical injuries at production.	6	2	-	2	-	2
Topic 12. Radiation.	4		-	2	-	2
Topic 13. Safety and personal hygiene of personnel when working in pharmacies.	8	-	-	4	-	4
Topic 14. Personal protective equipment. pharmaceutical employees	4		-	2	-	2
Topic 15. Fire safety requirements in pharmacy establishments.	10	2	-	4	-	4
Total hours	**90**	**20**	**-**	**30**	**-**	**40**

5. TOPICS OF LECTURES / SEMINARS / PRACTICAL CLASSES / LABORATORY CLASSES

5.1 Topics of lectures

Topic name	hours
Topic 1. Lecture 1. Ukrainian legislation on labor protection.	2
Topic 2. Lecture 2. Guarantees of labor protection rights.	2
Topic 3. Lecture 3. Accidents, occupational diseases of pharmaceutical workers	2
Topic 4. Lecture 4. Psychological safety in the workplace	2
Topic 5. Lecture 5. Occupational safety in pharmacy establishments	2
Topic 6. Lecture 6. Occupational safety when working with SDOR.	2
Topic 7. Lecture 7. Microclimate of production premises	2
Topic 9. Lecture 8. Requirements for production facilities and technological equipment.	2
Topic 11. Lecture 9. Electrical safety. Causes of electrical injuries on production.	2
Topic 15. Lecture 10. Fire safety requirements in pharmacy establishments.	2
Total	**20**

5.2. Seminar topics

Seminars are not provided.

5.3 Practical topics

Topic name	hours
Topic 1. Practical lesson 1. The Labor Code as a basis protection of employee labor rights.	2
Topic 1. Practical lesson 2. Responsibility for violation of the law. State social insurance against accidents and occupational diseases.	2
Topic 3. Practical lesson 3. Reasons accidents and occupational diseases, their classification.	2
Topic 5. Practical lesson 4. Requirements for the location and layout of pharmacy premises.	2
Topic 5. Practical lesson 5. Safety and industrial sanitation requirements during the manufacture of medicinal products	2
Topic 6. Practical lesson 6. Occupational safety when working with SDOR. Requirements for their storage. Procedure for admitting personnel to work	2
Topic 7. Practical lesson 7. Microclimate of production Normalization of microclimate parameters.	2
Topic 9. Practical lesson 8. Safety requirements for pressure vessels. Safety when operating cylinders.	2
Topic 11. Practical lesson 9. The effect of electric current on humans. Factors affecting the consequences of electric shock. Training and instruction in electrical safety.	2
Topic 12. Practical lesson 10. Radiation. Radiation protection.	2
Topic 13. Practical lesson 11. Safety precautions and personal hygiene of personnel when working in pharmacies.	2
Topic 13. Practical lesson 12. Development and approval of instructions on labor protection, safety techniques and industrial sanitation for personnel in the workplace.	2
Topic 14. Practical lesson 13. Purpose of PPE. Classification. Principles of PPE selection. PPE care.	2
Topic 15. Practical lesson 14. Basic concepts and definitions. Normative documents regulating fire safety.	2
Topic 15. Practical lesson 15. Fire hazard properties of materials and substances. Fire prevention systems. Fire protection system.	2
Total:	**30**

5.4 Laboratory topics

Laboratory classes are not provided.

6. INDEPENDENT STUDENT WORK

Topic name / types of tasks	hours
Preparation for practical classes 1-2	2
Preparation for topic 2	4
Preparation for practical lesson 3	2
Preparation for topic 4	2
Preparation for practical classes 4-5	4
Preparation for practical lesson 6	2
Preparation for practical lesson 7	2

Preparation for topic 8	2
Preparation for practical lesson 8	2
Preparation for topic 10	4
Preparation for practical training 9	2
Preparation for practical lesson 10	2
Preparation for practical classes 11-12	4
Preparation for practical training 13	2
Preparation for practical classes 14-15	4
Total	**40**

7. FORMS AND TEACHING METHODS

Forms of training.

The discipline is taught in the form of lectures, practical classes, and organization of independent work of the applicant.

Teaching methods:

Lectures: problem lectures, visualization lectures, story, explanation, conversation, instruction, discussion, debate, discussion of problem situations, situational learning, illustration (including multimedia presentations), demonstration.

Practical classes: conversation, role-playing games, solving situational problems, cases, practicing practical skills, completing practical tasks.

Independent work: independent work with recommended basic and additional literature, with electronic information resources

8. FORMS OF CONTROL AND CRITERIA FOR ASSESSING LEARNING OUTCOMES

Forms of current control: oral interview, testing, assessment of practical skills, solving situational problems, assessment of activity in the lesson.

Final control form: credit

Criteria for assessing the learning outcomes of higher education applicants during current control

Rating	Evaluation criteria
Excellent "5"	The applicant is fluent in the material, takes an active part in discussing and solving a situational problem, and confidently demonstrates practical skills.
Good "4"	The applicant has a good command of the material, participates in the discussion and solution of a situational problem, and demonstrates practical skills.
Satisfactory "3"	The applicant does not have sufficient knowledge of the material, participates uncertainly in the discussion and solution of the situational problem, and demonstrates practical skills with significant errors.
Unsatisfactory "2"	The applicant does not possess the material, does not participate in the discussion and solution of the situational problem, and does not demonstrate practical skills.

A credit is issued to an applicant who has completed all the tasks of the work program of the academic discipline, actively participated in practical classes, has a current average grade of at least 3.0 and has no academic debt.

Credit is carried out: in the last lesson before the beginning of the examination session - in the case of the tape learning system, in the last lesson - in the case of the cyclic learning system. The passing grade is the arithmetic mean of all components on the traditional four-point scale and has a value that is rounded using the statistical method to two decimal places.

9. DISTRIBUTION OF POINTS RECEIVED BY HIGHER EDUCATION STUDENTS

Points in the academic discipline for applicants who have successfully completed the program are converted into a traditional four-point scale according to the absolute criteria given in the table:

National assessment for discipline	Total points for the discipline
Excellent ("5")	185 – 200
Good ("4")	151 – 184
Satisfactory ("3")	120 – 150
Unsatisfactory ("2")	Below 120

The multi-point scale (200-point scale) characterizes the actual success of each applicant in mastering the academic discipline. The conversion of the traditional assessment into a 200-point one is performed by the University's information and technology department using the "Contingent" program according to the appropriate formula: Average score of success (current success in the discipline) x 40. The ECTS rating scale evaluates the achievements of applicants in the academic discipline who are studying in the same year of the same specialty, according to the points they received, by ranking, namely:

ECTS grade	Statistical indicator
A	Top 10% of applicants
B	Next 25% of applicants
C	Next 30% of applicants
D	Next 25% of applicants
E	Next 10% of applicants

The ECTS scale establishes the applicant's belonging to the group of the best or worst among the reference group of fellow students (faculty, specialty), that is, his rating. When converting from a multi-point scale, as a rule, the boundaries of the grades "A", "B", "C", "D", "E" do not coincide with the boundaries of the grades "5", "4", "3" according to the traditional scale. The grade "A" on the ECTS scale cannot be equal to the grade "excellent", and the grade "B" - to the grade "good", etc. Applicants who received grades "FX" and "F" ("2") are not included in the list of ranked applicants. Such applicants automatically receive an "E" grade after retaking. The "FX" grade is given to applicants who have scored the minimum number of points for current educational activities, but who have not passed the final test. A grade of "F" is given to students who have attended all classroom classes in the academic discipline, but have not achieved a grade point average (3.00) for their current academic activity and are not admitted to the final examination.

10. METHODOLOGICAL SUPPORT

- Syllabus of the academic discipline
- Work program of the academic discipline
- Methodological developments for lecture classes
- Methodological developments for practical classes
- Methodological recommendations for independent work of higher education students
- Multimedia presentations
- Illustrative materials

11. QUESTIONS FOR PREPARING FOR THE FINAL CONTROL

1. Organizational issues of occupational safety at the enterprise.
2. Labor agreements.
3. Internal labor regulations.
4. Main types of work activities
5. Labor protection of women. Liability for violation of legislation.
6. Promoting occupational safety.
7. State social insurance against accidents and occupational diseases.
8. Causes of accidents and occupational diseases.
9. Classification of accidents and occupational diseases.
10. Accident investigation procedure.
11. Special accident investigation.
12. Investigation of cases of chronic occupational diseases and poisoning.
13. Basic measures to prevent accidents and occupational diseases.
14. Performance and fatigue.
15. Categories of difficulty and intensity of work
16. Main forms of labor activity.
17. Physical factors of the production environment
18. Criteria for assessing the hearing function of persons working in conditions exposed to noise and vibration
19. Standard values for vibration levels
20. Reduced and increased atmospheric pressure.
21. Electromagnetic fields.
22. Static electricity.
23. Chemical factors of the production environment
24. Occupational safety when working with narcotic substances.
25. Occupational safety when working with toxic substances.
26. Occupational safety when working with potent substances.
27. Requirements for narcotic, poisonous and potent substances.
28. Procedure for admitting personnel to work, medical examinations (drug tests).
29. Reporting by institutions working with SDOR.
30. Occupational safety requirements when storing and using flammable substances.
31. Fire supervision of pharmacy establishments.
32. Classification of working conditions depending on the content of harmful substances in the air of the working area.
33. Microclimate of production premises.
34. Normalization of microclimate parameters.
35. Extremelypermissible concentrations andapproximately safe levels of exposure to harmful substances in the air of the work area.
36. General measures and means of air pollution. Protection of workers.
37. Types of radiation.

38. Radiation protection equipment.
39. Safety requirements for vessels (process equipment) operating under pressure.
40. Safety, signaling and locking devices.
41. Safety when operating cylinders.
42. Classification of cylinders.
43. Inscriptions on cylinders, paint color, color of the transverse stripe.
44. The effect of electric current on a person.
45. Factors influencing the consequences of electric shock.
46. Electrical safety training and briefings.
47. Basic concepts and definitions of fire safety.
48. Regulatory documents regulating fire safety.
49. Fire hazard properties of materials and substances.
50. Fire prevention systems.
51. Fire protection system.
52. Types of pharmacy establishments.
53. Requirements for production premises and equipment of pharmacy establishments in accordance with current regulatory documents.
54. Safety precautions and personal hygiene of personnel when working in pharmacies.
55. Occupational safety instructions by profession and type of work.
56. Requirements for safety and industrial sanitation when preparing medicines in a pharmacy.
57. Requirements for safety and industrial sanitation when obtaining purified water and water for injection.
58. Safety and industrial sanitation requirements for the storage of medicines.
59. Arrangement of warehouse and material facilities in accordance with drug groups.
60. Sanitary supervision of pharmacy establishments.

12. RECOMMENDED READING

Main literature:

1. L. M. Unguryan, O. I. Belyaeva, I. V. Vishnytska, O. O. Aleksandrova. Texts of lectures on the discipline "Occupational safety in the industry". Odesa: ONMedU, 2019. 111 p.
2. Authors' collective, general editing Sokurenko V. V Life safety and occupational health: Textbook Kharkiv National University of Internal Affairs, 2021, 305 p.
3. M. Veremiy, V. Zenkina, O. Yavorivskyi. Occupational safety in the medical industry: Teaching method. manual. 2017. 208 p.
4. Workers Compensation "Act Occupational health and safety regulation" BC Reg. 296/97 British Columbia. 2022. 698 p.
5. Guide for the development and implementation of occupational health and safety programs for health workers World Health Organization and International Labor Organization, 2022. 124 p.
6. Thomas P Fuller. Global Occupational Safety and Health Management Handbook. CRC Press, 2019. 359 p.

Additional literature:

1. Law of Ukraine "On Labor Protection" No. 2694-XII. dated October 14, 1992 (as amended)
2. Law of Ukraine "Fundamentals of the Legislation of Ukraine on Health Care" No. 2801-XII of 19.11.1992 (as amended)
3. Law of Ukraine "On the Public Health System" {As amended by Law No. 3302-IX of 09.08.2023}

4. LawUkraine "On the main principlesState Supervision of Economic Entities" No. 877-V dated 05.04.2007 (as amended)
5. Civil Protection Code of Ukraine No. 5403-VI dated 02.10.2012 (as amended)
6. Resolution of the Cabinet of Ministers of Ukraine “On the procedure for conducting certification of workplaces according to working conditions” No. 442 of 01.08.92 (as amended)
7. Resolution of the Cabinet of Ministers of Ukraine No. 337 of April 17, 2019 “On Approval of the Procedure for Investigation and Recording of Accidents, Occupational Diseases and Industrial Accidents”
8. Resolution of the Cabinet of Ministers of Ukraine No. 431 dated June 23, 1994. “On the procedure for conducting state examination (verification) of technological, design, and technical documentation for the manufacture of means of production for compliance with their regulatory acts”
9. Resolution of the Cabinet of Ministers of Ukraine dated March 25, 2015 No. 267 “On Approval of the Regulations on the Ministry of Health of Ukraine”
10. Resolution of the Cabinet of Ministers of Ukraine dated August 12, 2015 No. 647 “On Approval of the Regulations on the State Service of Ukraine for Medicines and Drug Control”
11. Order of the Ministry of Health of Ukraine No. 275 dated May 15, 2006 "On approval of the instructions on the sanitary and anti-epidemic regime of pharmacies."
12. Resolution of the Cabinet of Ministers of Ukraine dated May 20, 2020 No. 383 “On approval of the criteria by which the degree of risk from conducting economic activities is assessed and the frequency of planned state supervision (control) measures for compliance with legislation in the areas of labor protection, industrial safety, occupational hygiene, handling of explosive materials for industrial purposes, labor, employment of the population, employment and employment of persons with disabilities, state supervision by the State Labor Service”
13. Resolution of the Cabinet of Ministers of Ukraine “On approval of the Licensing Conditions for conducting economic activities in the production of medicinal products, wholesale and retail trade in medicinal products, import of medicinal products (except for active pharmaceutical ingredients)” No. 929 of November 30, 2016.
14. Resolution of the Cabinet of Ministers of Ukraine dated May 10, 2022 No. 577 On approving the list of medical psychiatric contraindications for performing certain types of activities (work, professions, services) that may pose an immediate danger to a person or others.
15. Order of the Ministry of Health of Ukraine No. 44 dated March 16, 1993 "On the organization of storage in pharmacies of various groups of medicines and medical devices";
16. Order of the Ministry of Health of Ukraine dated May 21, 2007 No. 246 “On approval of the Procedure for conducting medical examinations of employees of certain categories”;
17. Order of the Ministry of Health of Ukraine dated April 24, 2015 No. 242 “On Approval of the Rules for the Utilization and Destruction of Medicinal Products”.
18. Department of health and human services Centers for Disease Control and Prevention National Institute for Occupational Safety and Health "Procedures for Developing the NIOSH List of Hazardous Drugs in Healthcare Settings" 2023.26 p.
19. Reese, Charles D. Occupational Safety and Health: fundamental principles and philosophies. 2017. 403 p.
20. Pedro M. Arezes, João S. Baptista, Mónica P. Barroso. Occupational and Environmental Safety and Health. Springer International Publishing, 2019. 765 p.
21. Karl HE Kroemer. Fitting the human introduction to ergonomics. Human factors engineering. Boca Raton: CRC Press, 2017. 480 p.

13. ELECTRONIC INFORMATION RESOURCES

1. Legislation of Ukraine [Electronic resource]. - Access mode: https://zakon.rada.gov.ua/laws/show/
2. Ministry of Health of Ukraine [Electronic resource]. - Access mode: https://moz.gov.ua/
3. Occupational Safety and Health Administrationhttps://www.osha.gov/workers

4. Scientific and production journal "Occupational Safety" -http://ohoronapraci.kiev.ua/
5. Legislative framework of the DNAOP -https://dnaop.com/398/2428/
6. "Occupational Health and Fire Safety" magazine -http://oppb.com.ua/
7. Official World Health Organization resource -https://www.who.int