

Annotation of the selective educational component

Academic discipline	Life safety and civil protection
Lecturer	Victor Herasymenko Candidate of agricultural sciences, associate professor Department of life safety
The course and semester, when the discipline is planning to study	2 nd course, 4 th semester
Faculties whose students are invited to study discipline	Faculty of Ecology
List of competencies and learning-related outcomes that discipline provides	<p>According to the requirements of the educational and professional program "Aquatic bioresources and aquaculture", students must acquire the ability to acquire the following competencies:</p> <p>Integral Competence.</p> <p>The ability to solve complex specialized tasks and practical problems in the field of aquatic bioresources and aquaculture or in a learning process characterized by complexity and uncertainty of conditions, and involves the application of theories and methods of biology and applied sciences.</p> <p>GC 9. Ability to use knowledge in practical situations.</p> <p>GC 11. Ability to identify, identify and resolve problems.</p> <p>PC 12. Ability to carry out technological processes, providing material, technical, labor, information, and financial resources.</p> <p>The result of training in the discipline is the acquisition by students of such knowledge and skills:</p> <ul style="list-style-type: none"> • Know and comply with the requirements of regulatory legal acts relating to the organization and ensuring the safety of professional activities and health care of workers, fire, industrial safety, safe life of the population, and protection of territories, property, and the environment from emergencies; • Be able to carry out technological processes, and provide material and technical means of collective and individual protection, labor, information, and financial resources in order to ensure labor safety and civil protection at water management enterprises. • To know the legal and organizational bases of labor protection to protect workers from harmful and dangerous factors. • Know the legislative and regulatory framework for civil protection • Understand the relationship of aquatic bioresources and aquaculture with natural and man-made environments in the context of the perception of the nomenclature, classification, and identification of danger and safety as patterns. • Be able to select and use the necessary equipment, tools, and personal protective equipment for the safe organization of

	<p>the production process in order to certify the workplace for workers and the environment</p> <ul style="list-style-type: none"> • Be able to collect and analyze data on industrial injuries, accidents, and occupational diseases in the course of water management activities. • To be able to collect and analyze data on certification of the workplace at the enterprises of the water management complex.
Description of the discipline	
<p>Preconditions necessary for the study of the discipline</p> <p>The maximum number of students who can study simultaneously</p>	<p>The academic discipline is based on the knowledge of such disciplines as "Applied Mathematics", "Law", "Hydrochemistry" and others that were studied in previous semesters.</p> <p>Lectures - 50 students Practical - 25 students</p>
<p>Lesson plans</p>	<p>Lectures</p> <p>Content module 1. Life Safety</p> <p>Topic 1.1. The main concepts and definitions of life safety.</p> <p>Topic 1.2. Nomenclature, classification, and identification of hazards</p> <p>Topic 1.3. Human habitats.</p> <p>Topic 1.4. Industrial safety.</p> <p>Topic 1.5. First aid.</p> <p>Content module. 2 Fundamentals of labor protection</p> <p>Topic 2.1. Basic concepts, terms, and definitions in the field of labor protection.</p> <p>Topic 2.2. Legal and organizational bases of labor protection.</p> <p>Topic 2.3. Fundamentals of physiology, occupational health, and industrial sanitation.</p> <p>Topic 2.4. The concept of industrial injuries, accidents, and occupational diseases. Workplace certification.</p> <p>Topic 2.5. Fundamentals of fire and explosion hazards.</p> <p>Content module 3. Civil protection</p> <p>Topic 3.1. Legislative and regulatory framework for civil protection.</p> <p>Topic 3.2. Basic principles and methods of protecting the population and territories from emergency situations.</p> <p>Topic 3.3. Radiation safety.</p> <p>Topic 3.4. Chemical safety.</p> <p>Practical classes</p> <p>Content module 1. Life Safety</p> <ol style="list-style-type: none"> 1. feature of the sources of threats, groups of their causes, and factors. 2. Risk as a quantitative assessment of hazards. Types, classifications, and methods for determining risks. 3. Psychophysiological characteristics of a person and their

<p>Teaching language</p>	<p>role in life safety.</p> <p>4. Safety requirements for workplaces. Colors, safety signs, and signal markings.</p> <p>5. Artificial respiration and indirect heart massage. Stop bleeding. Fixation of fractures.</p> <p>Content module 2. Fundamentals of labor protection</p> <p>6. Training and testing of knowledge on labor protection issues for employees when hiring and in the process of work.</p> <p>7. Instructions for labor protection. Types of liability for violation of legislation and regulations on labor protection.</p> <p>8. Dangerous and harmful production factors.</p> <p>Certification of workplaces according to working conditions.</p> <p>9. The concept of "Regulations on the investigation and registration of accidents, occupational diseases and accidents at enterprises, organizations, and institutions."</p> <p>10. Ways and means of extinguishing a fire, the practical use of fire extinguishers</p> <p>Content module 3. Civil protection</p> <p>11. Impressive factors, negative impact, and consequences. Military emergencies. The rights and obligations of the population during the introduction of martial law and a state of emergency.</p> <p>12. Means of individual and collective protection at work and in emergency situations.</p> <p>13. Anti-radiation protection in the conditions of a radiation accident. Signs of radiation sickness.</p> <p>14. Preventive measures to reduce the scale of chemical impact on farm facilities. Characterization of zones of chemical contamination.</p> <p>Ukrainian</p>
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