

Syllabus of the educational component



HEALTH AND SAFETY AND LABOUR PROTECTION IN VETERINARY MEDICINE

speciality	211 veterinary medicine	Status of the discipline	obligatory discipline
educational program	veterinary medicine	faculty	veterinary medicine
educational level	not limited	department	sanitation, hygiene and forensic veterinary medicine

LECTURER

Pavlichenko Olena Volodymyrivna



University degree - Doctor of Veterinary Medicine

Academic degree - Doctor of Law, 12.00.05 - Labor Law; Social Security Law, PhD in Veterinary and Biological Sciences, 16.00.06 - Animal Hygiene and Veterinary Sanitation.

Academic title - Professor, Head of the Department of Sanitation, Hygiene and Forensic Veterinary Medicine

Work experience - more than 20 years

Indicators of professional activity on the subject of the course:

- author of monographs;
- co-author of utility model patents;
- co-author of thematic publications;
- participant of scientific and methodological conference..

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The following people are involved in teaching the discipline: Associate Professor, Candidate of Veterinary Sciences Ignatieva T.M;
Associate Professor, Candidate of Agricultural Sciences Kushch L.L;
Associate Professor, Candidate of Veterinary Sciences Petrenko A.M
Associate Professor, Candidate of Agricultural Sciences Khmel M.M.

GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT

Objective	The course allows the student to solve professional problems in the speciality, taking into account the risk of internal and external hazards that cause emergencies and their negative consequences, and involves the study of general labour protection issues.
Format.	lectures, seminars, independent work, individual assignments, teamwork, conversations, discussions, case studies and tests
Detailing of learning results and forms of their control	<ul style="list-style-type: none"> ● ability to analyse and choose the best regulatory documents for professional activity (GC3, GC3, GC9) / individual tasks for analysing the regulatory framework ● ability to use regulatory documents (GC3, GC20, PLO18) ● individual practical tasks ● implementation of environmental protection mechanisms in the development of regulatory documents and in the process of professional activity (GC10, GC11, GC12, SC12, SC12, SC16, SC19, PLO19) / teamwork
Scope and form of control	3 ECTS credits (90 hours): lectures - 20 hours; laboratory and practical classes - 20 hours. independent work - 50 hours. final control - differentiated credit.
Teacher requirements	on-time completion of tasks, activity, teamwork
Enrollment conditions	according to the curriculum

COMPLIANCE WITH THE EDUCATION STANDARD AND EDUCATIONAL PROGRAM

Competence	<p>GC2. Ability to apply knowledge in practical situations.</p> <p>GC3. Ability to apply knowledge in practical situations.</p> <p>GC9. Ability to make informed decisions</p> <p>GC10. Ability to communicate with representatives of other professional groups of different levels (with experts in other fields of knowledge / types of economic activity</p> <p>GC11. Ability to evaluate and ensure the quality of work performed.</p> <p>GC12. The desire to preserve the environment</p> <p>SC 3. Ability to comply with the rules of labor protection, asepsis and antiseptics during professional activities.</p> <p>SC 12. Ability to develop and implement measures aimed at protecting the population from diseases common to animals and humans.</p> <p>SC 16. Ability to protect the environment from pollution by livestock waste, as well as materials and means for veterinary purposes.</p> <p>SC 19. Ability to carry out educational activities among industry workers and the population.</p> <p>SC 20. Ability to organize, implement and control document flow during professional activities.</p>	Program learning outcomes	<p>PLO 18. Carry out accounting reporting during professional activities.</p> <p>PLO 19. Carry out educational activities among industry workers and the population.</p>
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STRUCTURE OF THE EDUCATIONAL COMPONENT

Chapter 1: Occupational health and safety management. Occupational injuries. Social insurance.

Lecture 1..	General provisions for occupational health and safety in veterinary medicine. Organisation of occupational health and safety management.	Practical training 1 (PT 1)	The importance of labour law for a veterinarian. Employee-employer relations. Features of working conditions for different age groups.	Independent work	Writing public speeches and communication skills aimed at health and safety in veterinary medicine. Certification of workplaces for working conditions
Lecture 2.	Accidents, injuries and occupational diseases				
Lecture 3.	Social insurance against accidents and occupational diseases social insurance against accidents and occupational diseases	PT 2	Labour legislation. Employee-employer relations.		
		PT 3	State supervision of labour protection		
Lecture 4.	Industrial sanitation.	PT 4	Occupational health and safety management system at an enterprise (organisation)		
		PT 5	Labour protection service at the enterprise		
		PT 6	Tasks of occupational health and safety management at an enterprise		
		PT 7	Investigation and recording of accidents. Analysis, reporting, forecasting, prevention of injuries and occupational diseases at work		
		PT 8	Air of the working area. Ventilation of production facilities.		
		PT 9	Noise, ultrasound and infrasound. Ionising radiation.		
					Use of foreign experience. The experience of implementing an international occupational health and safety and environmental management system. From the experience of joint work. The sequence of actions during an accident investigation

Chapter 2: Peculiarities of operation of high-risk equipment. Explosion and fire and electrical safety.

Lecture 5.	Features of operation of high-risk equipment. Electrical safety.	PT 10	Safety requirements for the operation of high-risk equipment.		Preparation of multimedia presentations and reports with speeches on the following topics: peculiarities of operation of high-risk equipment. explosion and fire and electrical
		PT 11	Examples and causes of accidents related to the operation of high-risk equipment		

Lecture 6.	Explosion and fire safety of high-risk equipment	PT 12	Classification of premises according to the degree of danger of electric shock		safety. The procedure for testing cranes. Safety requirements. Explosion and fire prevention of electrical installations and engineering equipment. Determination of the residual life of high-risk equipment.
		PT3 13	Requirements for personnel working in existing electrical installations		
		PT 14	Requirements for the explosion and fire safety system		
		PT 15	Explosion and fire prevention and protection against explosions and fires at production facilities		
Lecture 7.	Loading and unloading operations				

KEY LITERATURE

Literature	<ol style="list-style-type: none"> 1. Закон України «Про охорону праці» із змінами і доповненнями. 2. Безпека праці: навантаження на бізнес чи фактор зростання української економіки // Промислова безпека. - 2013.— №10.-С 8-13. 3. Кодекс України про адміністративні правопорушення. Зі змінами. 4. Березуцький В.В. та інші / Настільна книга роботодавця // Посібник з охорони праці: Видання 4, за редакцією В.М. Іванова - Харків, 2016 – 374с. 5. Конституція України. - К., 1996. 6. Маменко О.М., Ємець З.В., Хруцький С.С. Охорона праці (навчальний посібник), Харків, ХДЗВА, 2018, - 212 с. 7. Скобло Ю.С., Тіщенко Л.М. Безпека життєдіяльності.-Вінниця: «Нова книга»,2000 – 326 с. 8. Желібо Є.П., Заверуха Н.М. Безпека життєдіяльності. Львів «НовийСвіт»,2002-327с.
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ASSESSMENT SYSTEM

SYSTEM		PONTS	ACTIVITIES BEING EVALUATED
Final assessment	100 ECTS points (standard)	to 50	50% of the average grade for the chapters
		to 50	final testing
Rating of section	100 points total	to 50	answers to test questions
		to 20	verbal answers at laboratory and practical classes
		o 30	result of mastering the block of independent work

STANDARDS OF ACADEMIC ETHICS AND INTEGRITY

All participants in the educational process (including students) must adhere to the code of academic integrity and the requirements set out in the Regulation “On Academic Integrity of Participants in the Educational Process of BSTU”: to be disciplined, well-mannered, respect each other's dignity, show goodwill, honesty, and responsibility.