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..

phone number	0500263530	e-mail	pavlichenkoelena777@gmail.com	remote support	Moodle http://moodle.btu.kharkiv.ua/course/view.php?id=1966

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

GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT (DISCIPLINE)

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	• ability to analyse and choose the best regulatory documents for professional activity (GC3, GC4, GC7, PLO5, PLO20) / individual tasks for analysing the regulatory framework • ability to use regulatory documents (GC3, GC4, GC7, GC11, PC1, PLO1, PLO5, PLO6, PLO20) • individual practical tasks • implementation of environmental protection mechanisms in the development of regulatory documents and in the process of professional activity (GC3, GC6, GC8, PLO6, PLO20) / 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 THE EDUCATIONAL PROGRAMME

Competence	GC2.Ability to apply knowledge in practical situations. GC3. Ability to apply knowledge in practical situations. GC9. Ability to make informed decisions GC10. Ability to communicate with representatives of other professional groups of different levels (with experts in other fields of knowledge / types of economic activity	Program learning outcomes	PLO 1.Know and correctly use the terminology of veterinary medicine. PLO 9. Develop measures aimed at protecting the population from diseases common to animals and humans. PLO 19. Carry out educational activities among industry workers and the public.

	GC11. Ability to evaluate and ensure the quality of work performed. GC12. The desire to preserve the environment.				

STRUCTURE OF THE EDUCATIONAL COMPONENT

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)		Use of foreign experience. The experience of implementing an international occupational health and safety and environmental management system. The experience of cooperation.
		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	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
		PT 8	Air of the working area. Ventilation of production facilities.	
		PT 9	Noise, ultrasound and infrasound. Ionising radiation.	
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 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.**
		PT 11	**Examples and causes of accidents related to the operation of high-risk equipment**	
		PT 12	**Classification of premises according to the degree of danger of electric shock**	
		PT3 13	**Requirements for personnel working in existing electrical installations**	
Lecture 6.	**Explosion and fire safety of high-risk equipment**	**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

1. **Law of Ukraine "On Labor Protection" with amendments and additions.**
2. **Labor Safety: A Burden on Business or a Growth Factor for the Ukrainian Economy // Industrial Safety. – 2013. – No. 10. – pp. 8–13.**
3. **Code of Ukraine on Administrative Offenses, with amendments.**
4. **Berezutskyi V.V. et al. / Employer's Handbook // Labor Protection Manual: 4th Edition, edited by V.M. Ivanov – Kharkiv, 2016 – 374 pages.**
5. **Constitution of Ukraine. – Kyiv, 1996.**
6. **Mamenko O.M., Yemets Z.V., Khrutskyi S.S. Labor Protection (Textbook), Kharkiv, KhDZVA, 2018 – 212 pages.**
7. **Skoblo Yu.S., Tishchenko L.M. Life Safety. – Vinnytsia: "Nova Knyha", 2000 – 326 pages.**
8. **Zhelibo Ye.P., Zaverukha N.M. Life Safety. – Lviv: "Novyi Svit", 2002 – 327 pages.**

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.

EVALUATION SYSTEM

SYSTEM		POINTS	ACTIVITY TO BE EVALUATED
Final assessment (different credit, exam)	**100 points ECTS (standard)**	**up to 100**	**40 % - Final testing** **60 % - student's current work during the semester**
Final assessment (non-differential credit)	**100 points ECTS (standard)**	**up to 100**	**100 % - average grade for sections**
Rating of section	**100 points total**	**up to 30**	**30 % - answers to test questions**
		up to 30	**30 % - the result of mastering the block of independent work**
		up to 40	**40 % - student activity in class (oral answers)**