

**NATIONAL UNIVERSITY
OF LIFE AND ENVIRONMENTAL SCIENCES OF UKRAINE**

Department of Veterinary Hygiene named after prof. A.K. Skorokhodko



«APPROVE»

Dean of the Faculty of Veterinary Medicine

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at the meeting of the Department

Veterinary Hygiene

named after prof. A.K. Skorokhodko

№ 9 from 11.04.2023

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WORKING PROGRAM OF EDUCATIONAL DISCIPLINE

**ANIMAL WELFARE, ETHOLOGY AND PROFESSIONAL
ETHICS**

Specialty 211 – «Veterinary Medicine»

Educational program «Veterinary Medicine»

Faculty of Veterinary Medicine

Developers: Doctor of Vet. Sci., Associate prof. Maria Kucheruk; PhD, Senior Lecturer Roman Dymko

Kyiv – 2023

**1. DESCRIPTION OF THE DISCIPLINE «ANIMAL WELFARE,
ETHOLOGY AND PROFESSIONAL ETHICS»**

Field of knowledge, direction of training, specialty, educational and qualification level		
Field of knowledge	21 – «Veterinary Medicine»	
direction of training		
specialty	211 «Veterinary Medicine»	
educational and qualification level	Master	
Characteristics of the discipline		
View	basic	
Total number of hours	120	
Number of ECTS credits	4	
Number of content modules	2	
Form of control	Test, exam	
Indicators of academic discipline for full-time and part-time forms of education		
	full-time education	part-time study
Year of preparation	3	
Semester	VI	
Lectures	30 hours	
Practical, seminar classes	30 hours	
Laboratory classes		
Independent work	60 hours	
Individual tasks		
Number of weekly hours	4 hours	

2. PURPOSE, OBJECTIVES AND COMPETENCIES OF THE EDUCATIONAL DISCIPLINE

The section of the discipline "professional ethics" studies the general rules of medical ethics, the essence of its principles, the peculiarities of the activities of a veterinarian, the requirements for his training, consciousness, as well as the ability to solve problems of veterinary medicine.

Ethology - the science of animal behavior, their life manifestations, the impact on them of the nervous system, hereditary factors, housing conditions, feeding, exploitation, environmental changes, anthropogenic factors. Special ethology studies the life manifestations of different species, sex-age and technological groups of animals, their adaptation, acclimatization, social behavior in the herd depending on the technology of livestock production.

Animal welfare is a complex concept that includes the interpretation of the state of the animal from the point of view of the animal itself:

- physical condition of animals (homeostasis),
- mental state of animals (feelings),
- manifestation of natural behavior.

Having studied the discipline "Animal Welfare, Ethology and Professional Ethics", the student must know the characteristics of animal behavior depending on the conditions of keeping, feeding, operation, be able to use knowledge of behavioral responses of animals in practice for careful treatment. animals, production of quality and environmentally friendly products.

The discipline forms students' logical thinking, promotes understanding of the physiological manifestations of animals and the impact on them of technologies for growing and manufacturing products.

Purpose and objectives

The discipline studies the behavior of animals, their life manifestations, the influence of anthropogenic factors on them. The discipline aims to harmonize the

human attitude to animals in accordance with the peculiarities of the manifestation of their physiological behavior and natural needs, in particular when providing them with veterinary care.

The discipline "Animal Welfare, Ethology and Professional Ethics" occupies an important place in the system of training in the field of veterinary hygiene, sanitation and examination, as it studies:

- the place and role of the veterinarian in maintaining animal and human health;
- studies the ways of impact of livestock facilities on the environment;
- forms of individual, reproductive and social behavior of animals;
- features of physiological processes that are associated with behavior;
- features of the ontogenesis of behavior and the influence of heredity on its forms;
- applied aspects of ethology;
- features of the formation of reflexes and the formation of behavioral reactions of animals;
- features of behavior of farm animals with different types of higher nervous activity under the influence of environmental conditions and anthropogenic factors.

The purpose of the discipline "Animal Welfare, Ethology and Professional Ethics" is to develop special knowledge and practical skills based on the acquired knowledge of the ethics of veterinary medicine, humane treatment of animals, including productive, ensuring their proper well-being in accordance with physiological characteristics. Study of animal behavior, their life manifestations, the impact on them of the nervous system, hereditary factors, housing conditions, feeding, exploitation, changes in the environment, anthropogenic factors.

The subject of the discipline "Animal Welfare, Ethology and Professional Ethics" is the professional activity of a veterinarian, especially the social behavior of different species of farm animals. Influence on them of a nervous system, hereditary factors, conditions of the maintenance, feeding, operation, changes of environment, the anthropogenic factor.

The main tasks of the discipline "Animal Welfare, Ethology and Professional Ethics" study and mastering the basic theoretical principles and acquisition of practical skills in the study of behavioral reactions of farm animals and poultry depending on age, physiological condition and season, to study the main life manifestations of animals in specific technologies and restraint systems.

The ethical requirements to the veterinarian depending on the place of his work, deontological - to the implementation of preventive, curative and organizational measures.

As a result of studying the discipline the student must:

know:

- forms of individual, reproductive and social behavior of animals;
- features of physiological processes that are associated with behavior;
- legislation governing the proper treatment of animals;
- Professional traditions and ethics of a veterinarian.

be able to: use knowledge of ethology and zoopsychology of animals as a basis for solving the following possible ways of using and keeping animals;

- analyze the action and dependence of animals on adaptive and social behavioral responses;
- to assess the types of higher nervous activity of animals, to form their proper behavior;
- assess animal welfare and take measures to improve it.

Acquisition of competencies:

General Competences (GC):

1. Knowledge and understanding of the subject area and profession.
2. Ability to communicate in the state language both orally and in writing.
3. Ability to communicate in a foreign language.
4. The desire to preserve the environment.

Professional (special) competencies (FC):

1. Ability to develop strategies for safe, sanitary and due to the keeping of animals.
2. Ability to apply knowledge of biosafety, bioethics and animal welfare in professional activities.
3. Ability to carry out educational activities among workers and industry.

3. PROGRAM AND STRUCTURE OF THE DISCIPLINE «ANIMAL WELFARE, ETHOLOGY AND PROFESSIONAL ETHICS» FOR FULL TERM OF FULL-TIME EDUCATION

Names of content modules and topics	Number of hours					
	Full-time					
	total	including				
lec		pr	lab	ind	ind. w	
1	2	3	4	5	6	7
Module 1						
Topic 1. Introduction. Subject, methods and tasks of the discipline "Animal Welfare, Ethology and Professional Ethics". Connection with other disciplines.	8	2	2			4
Topic 2. Legislation governing the work of veterinarians and treatment of animals. Professional traditions and ethics of a veterinarian.	8	2	2			4
Topic 3. Morality and consciousness in professional activities.	8	2	2			4
Topic 4. Business communication of a veterinarian with animal owners and patients.	8	2	2			4
Topic 5. Ethology. Characteristics of individual elements and features of animal behavior.	8	2	2			4
Topic 6. Behavior of animals Hierarchy, grouping, territoriality, aggression	8	2	2			4
Topic 7. Reproductive behavior. Sexual demorphism. Marital and family relations. Caring for offspring.	8	2	2			4
Together on the content module 1	56	14	14			28
Module 2						
Topic 8. Organization of communities. Social behavior.	8	2	2			4
Topic 9. Locomotions of animals. Migration. Adaptive capabilities of animals.	8	2	2			4
Topic 10. Biological rhythms. Food and game, research behavior	8	2	2			4
Topic 11 Animal welfare. Humane education. Legislation. European conventions. Criminal liability.	8	2	2			4
Topic 12. Welfare of pigs	8	2	2			4
Topic 13. Welfare of cattle	8	2	2			4

Topic 14 Welfare of birds	8	2	2		4
Topic 15. Transportation. Ante-mortem detention. Slaughter	8	2	2		4
Together on the content module 2	64	16	16		32
Total	120	30	30		60

4. TOPICS OF PRACTICAL CLASSES

№	TOPIC	Number of hours
MODULE 1 (PROFESSIONAL ETHICS)		
1	Code of professional ethics of a veterinarian. Law on Veterinary Medicine. Legislation governing the treatment of animals.	2
2	The doctor as a person. Health doctor. Selfactions. Ability to self-improvement. Duty and conscience.-assessment of knowledge and	2
3	Professional errors, iatrogenic.	2
4	Professional and ethical problem diseases. Collegiality of doctors. Conflict prevention. Team works	2
5	Colloquium 1	2
MODULE 2 (ETHOLOGY AND WELFARE OF ANIMALS)		
6	Ethology. Individual and social forms of behavior and their definitions.	2
7	Hierarchical relationships in animals. Adaptation, acclimatization, synanthropization and domestication of animals.	2
8	Marital and family relations. Study of behavioral reactions in farm animals.	2
9	Law of Ukraine "On Fauna". Law of Ukraine "On protection of animals from cruel treatment" Law of Ukraine "On state control over compliance with legislation on food, feed, animal by-products, animal health and welfare", European conventions.	2
10	5 freedoms according to the characteristics of age, species, sex, physiological condition of animals, etc. The impact of different housing systems on animal welfare. Life manifestations of well-being.	2
11	The use of laboratory animals in experiments.	2
12	Euthanasia.	2
13	Cosmetic surgery and other surgeries without medical indications	2
14	Fur animals. Animals for entertainment	2
15	Colloquium 2	2
	Total	30

5. SAMPLES OF CONTROL QUESTIONS, TESTS TO DETERMINE THE LEVEL OF KNOWLEDGE ACQUISITION BY STUDENTS

1. Subject, methods and tasks of the discipline "Animal Welfare, Ethology and Professional Ethics".
2. Legislation governing the work of veterinarians and treatment of animals. Professional traditions and ethics of a veterinarian.
3. Morality and consciousness in professional activities.
4. Business communication of a veterinarian with animal owners and patients.
5. Ethology. Characteristics of individual elements and features of animal behavior.
6. Behavior of animals Hierarchy, grouping, territoriality, aggression.
7. Reproductive behavior. Sexual dimorphism. Marital and family relations. Caring for offspring.
8. Organization of communities. Social behavior.
9. Locomotions of animals. Migration. Adaptive capabilities of animals.
10. Biological rhythms. Food and game, research behavior.
11. Animal welfare. Humane education. Legislation. European conventions. Criminal liability.
12. Welfare of pigs.
13. Welfare of cattle.
14. Welfare of birds.
15. Transportation. Ante-mortem detention. Slaughter.

6. TEACHING METHODS.

The organization of training at NUBiP of Ukraine is provided by means of combining classroom and extracurricular forms of education, namely:

- lectures;
- practical classes (laboratory work, laboratory workshop);
- independent classroom work of students;
- independent extracurricular work of students;
- consultations;

To control the quality of knowledge and skills of students are used:

- individual interviews;
- colloquiums;
- scoring.

7. FORMS OF CONTROL.

Control and evaluation of students' educational achievements is an important component of the educational process in a higher educational institution.

Control in the didactics of higher school should be understood as pedagogical support, observation and verification of the success of educational and cognitive activities of students.

The control process carried out by the teacher involves several stages:

- 1) verification (identification of the level of knowledge, skills and abilities acquired by students);
- 2) assessment (measuring the level of knowledge, skills and abilities and comparing them with certain standards outlined by the requirements of the curriculum);
- 3) accounting (fixation of results in the form of grades, scores, ratings in the journal, scoring book, scoring or examination information).

Controlling the educational and cognitive activities of students, the teacher directs his efforts to solving the following tasks:

- identification of the quality of assimilation of educational material, the degree of compliance of the acquired skills and abilities with the goals and objectives

of the discipline;

- identification of difficulties in students' assimilation of educational information and typical errors in order to correct and eliminate them;
- determination of the effectiveness of organizational forms, methods and means of training;
- diagnosis of the level of readiness of students to perceive new material.

Pedagogical control performs the following functions:

- educational (educational), which consists in ensuring that control measures contribute to the deepening, expansion, improvement and systematization of students' knowledge, skills and abilities, provide feedback in learning;
- diagnostic and corrective, aimed at determining the level of knowledge, skills and abilities, as well as typical mistakes, gaps and difficulties in learning, the reasons for failure and ensuring measures to eliminate them;

- evaluation, which consists in finding out the state of knowledge, skills and abilities of both individual students and the academic group as a whole, and also ensures the accounting and openness of control results, which contributes to objective assessment and better learning;

- stimulating, which implies the approval of the success achieved by students and the formation of a positive motivation for learning, systematic educational and cognitive activity, the development of a sense of responsibility for its effectiveness;

- developmental, which consists in the fact that under conditions of

systematic, pedagogical expedient control, memory, attention, thinking, oral and written speech, abilities, cognitive interests, activity and independence of students develop;

- educational, aimed at the formation of discipline, organization, self-discipline skills, a positive attitude to learning, the formation of the need for constant self-education and self-improvement;

- predictive and methodological, which concerns both the teacher (who receives fairly accurate information on the effectiveness of his activities) and students, since the choice of the optimal teaching methodology, improvement of teaching methods, can significantly affect the final result – the quality of professional training of a university graduate.

The following types of control are used: preliminary, current, thematic, final.

Preliminary control is carried out in order to identify the level of preparedness of the student for the perception of new material. Such a check can be carried out in the form of test tasks, written control robots, frontal oral survey in practical classes, individual or group consultations.

Thematic knowledge test is aimed at determining the level of assimilation by students of a particular topic or several interrelated topics (modules). One of the main tasks of thematic verification is to create prerequisites for understanding and generalizing sufficiently large amount of educational information. For thematic control, which can be carried out at the final seminar, colloquium or in the process of modular or thematic control work, tasks are selected and constructed in such a way as to eliminate the elements of chance and objectively evaluate the educational achievements of students in all sections of the topic.

The final control is aimed at checking the level of assimilation of knowledge, practical skills and skills of students for a long period of time of study semester, for the entire period of study at the university. The purpose of the final control of knowledge is to identify the structure and system of knowledge of students. The components of such control are semester control and state certification. The student is allowed to the final control, provided that he performs all types of work provided for by the curriculum for a semester in this discipline.

8. DISTRIBUTION OF POINTS THAT STUDENTS RECEIVE.

The assessment of the student takes place in accordance with the provisions of the "On examinations and tests at NUBiP of Ukraine" dated 27.02.2019 minutes No. 7 from Table.

Student rating, points	National assessment based on the results of the compilation	
	exams	tests
90-100	Excellent	Passed
74-89	Good	
60-73	Satisfactorily	
0-59	Unsatisfactorily	Not passed

Control measures include current and final evaluation of student knowledge. Current control is carried out during practice and in the process of self-study in the following areas: rapid surveys, tests, tasks "right-wrong" problem. Distribution of points received by students. Assessment of student knowledge is on a 100-point scale and is translated into national assessments according to table. 1 "Regulations on examinations and tests in NULES of Ukraine" (order of entry into force of 27.12.2019 № 1371)

To determine the rating of the student (listener) for mastering the discipline R (up to 100 points), the obtained rating for certification (up to 30 points) is added to the rating of the student (listener) for the educational work of the R HP (up to 70 points): $R = R_{HP} + R_{AT}$

9. EDUCATIONAL AND METHODOLOGICAL SUPPORT.

For the discipline "Animal welfare, ethology and professional ethics" an ENK has been developed, which includes lectures, practical and independent works:

<https://elearn.nubip.edu.ua/enrol/index.php?id=3362>

10. RECOMMENDED SOURCES OF INFORMATION.

Basic

1. Singer P. Liberation of animals / Peter Singer; lane. from English Kateryna Humeniuk. - Kyiv: Pabulum, 2019. 456 p.
2. On the protection of animals from cruel treatment: Law of Ukraine of 21.02.2006 № 3447-IV // Bulletin of the Verkhovna Rada of Ukraine. - 2006. - № 27. - СТ. 230.
3. Resolution № 262 of March 17, 2016 On approval of the Rules for keeping and handling animals in Lviv
4. European Convention for the Protection of Pets The Convention was ratified by Law No. 578-VII (578-18) of September 18, 2013.
5. Aleksandrenko VV The concept and methods of cruel treatment of animals / VV Aleksandrenko // Juridical science. - 2015. - № 6. - P. 116-120.
6. Golovko IA Criminal liability for cruelty to animals: dis. ... Cand. jurid. Sciences: 12.00.08 - criminal law and criminology; criminal-executive law / Golovko Irina Anatoliyivna. - K., 2010. - 256 p .;

7. Bondarenko NS Attitude of the population to the problem of prevention of cruelty to animals (according to the results of sociological research) / NS Bondarenko // Law and Society. - 2015. - № 3 (3). - P. 123-126.
8. Kopylyan VA Criminal punishment for cruelty to animals / V.A. Kopylyan // Scientific Bulletin of Lviv State University of Internal Affairs. - 2009. - № 3. - P. 245–252;
9. Landina AV Criminal and legal protection of morality in Ukraine: dis. ... Cand. jurid. Sciences: 12.00.08 - criminal law and criminology; criminal executive law / Landina Anna Valentinovna. - K., 2005. - 227 p .;
10. Kuchanska LS The concept and system of crimes against morality in the criminal law of Ukraine: dis. ... Cand. jurid. Sciences: 12.00.08 - criminal law and criminology; criminal executive law / Kuchanska Larysa Stepanovna. - Odessa, 2007. - 212 p .;
11. Kuznetsov VV Crimes against public order and morality: [practical manual] / V.V. Kuznetsov. - K.: Вид. PALIVODA AV, 2007. - 160 p .;
12. Repetsky SP Public morality as an object of criminal law protection: author's ref. dis. Cand. jurid. Sciences: 12.00.08 - criminal law and criminology; criminal-executive law / Repetsky Sergey Petrovich. - K., 2010. - 20 c.
14. Morozova VO Administrative liability for offenses against public morality: dis. ... cand. jurid. Sciences: 12.00.07 - management theory; administrative law and process; financial law / Morozova Victoria Alekseevna. - Irpen, 2003. - 202 p.
15. Ethology (basics of animal behavior): a textbook for higher education educational institutions / OV Severinovskaya, OE Pakhomov, VK Rybalchenko. - D .Dnipropetrovsk Publishing House. nat. University, 2010. - 292 p.
16. McFarland D. Behavior of animals: Psychobiology, ethology and evolution / McFarland D. - М .: Book on Demand, 2013. - 514 p.
17. Professional ethics and deontology of veterinary medicine: Textbook / Under. Ed. A.A. Стекольнікова. - СПб .: Лань, 2015. - 448 с.
18. Ignatenko. I.A. Ethology: A textbook. - For 3rd year full-time and part-time students in the direction of training 6. 040102 - biology. - Cherkasy, 2009. - 96 p.
19. Korzh OP Ethology of animals: a textbook. - Sumy: University Book, 2011. - 236 p.
20. Severinovska OV Etology (basics of animal behavior): a textbook for higher educational institutions / OV Severinovska, OE Pakhomov, VK Rybalchenko. - D .: Dnipropetrovsk Publishing House. nat. University, 2010. - 292 p.

Additionally

1. Breus TK Influence of solar activity on the physiological rhythms of biological systems / TK Breus, F. Halberg, J. Cornelissen // Biophysics. - Vol. 40, 1995. - P. 737–748.
2. Curly VP - Animal welfare, ethology and professional ethics .: Lviv .: World, 2000. - 500 p.
3. Broom, D.M. 1993. A usable definition of animal welfare. Journal of Agricultural and Environmental Ethics, 6, suppl 2, 15-25.

4. Broom, D.M. 1994. The valuation of animal welfare in human society. In Valuing Farm Animal Welfare, ed. R.M. Bennett, 1-7. Reading: University of Reading. Broom D.M. 1994.

Information web-resources

<https://ciwf.in.ua/>

<https://opencages.com.ua/about-us>