

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
Sumy National Agrarian University

**Department of anatomy, normal and pathological physiology of
animals**

"Approved"

Head of Department
Kambur MD
"26" 2020.

Syllabus TRAINING COURSE

for the academic year 2020-2021

Code: PP:27 - **Information technologies in veterinary medicine**

Specialties: 211 Veterinary Medicine

Specialty: 211 Veterinary medicine

Educational program: 211 Veterinary medicine

Faculty: Veterinary Medicine

2020 – 2021 academic year

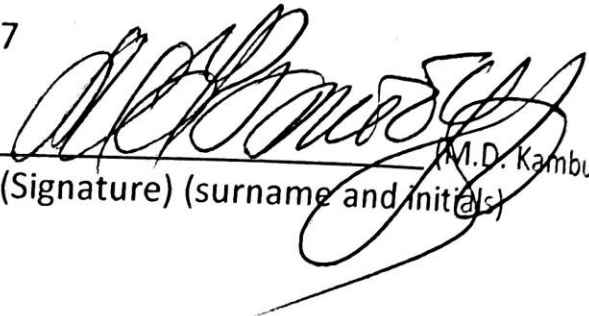
The work program on "Information technologies in veterinary medicine" for
students
211 specialty "Veterinary Medicine"

Developers: PhD, associate of professor Kalashnyk O.M.

The work program endorsed by the department of anatomy, normal and
pathological physiology of animals.

Minutes from "25_" _ MAY 2020 № 17

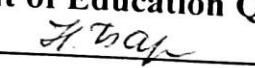
Head of the Department of Anatomy


(M.D. Kambur)
(Signature) (surname and initials)

Agreed:

Guarantor of the educational
program  (Ulko L.G.)

Dean  (Nechyporenko O.L.)

Methodist of the Department of Education Quality,
licensing and accreditation  (A.M. Boyanuk)

Registered in the electronic database: Date: 03.07. 2020.

1. Description of discipline

Name of indicators	Industry knowledge and direction of training, education level	Characteristics of discipline	
		full-time education by correspondence	full-time education by correspondence
The number of credits - 3:	21 " Veterinary Medicine " (code name)	Legislation	
Modules - Specialty: 2	Specialty: 211- Veterinary Medicine	Year of training:	
Content module: 4		2020-2021	
		Course	
The total number of hours – 90 per Semester		1 M-2	
		SEMESTER	
		1	
Weekly hours for full-time: classroom - 3 self-learning - 3		Lectures	
		-	
	Practical, seminar		
	-	-	
	Laboratory		
	44 hours		
	Independent work		
	46 hours		
Individual tasks			
Type of control:		test	
ED: Master of degree			

The ratio of hours of classroom hours to independent and individual work is:
for full-time studies – 44/46 (48/52)

2. The purpose and objectives of discipline

Objective: Studying of modern programs of the account of productivity of animals, planning of preventive veterinary actions and treatment of animals.

Task: the study of modern programs for accounting for the productivity of animals and their use in modern veterinary practice of livestock.

As a result of studying the academic discipline, the student **must know**:

- theoretical foundations of information technology;
- Modern programs for accounting for the productivity of animals and use them in the modern veterinary practice of livestock;
- programs for the control and use of veterinary drugs, biologically active substances;
- to be able: to apply programs of the account of productivity of animals in modern veterinary practice.

3. The program of the discipline on approbation

Content module 1. Modern information technologies in veterinary medicine

Theme 1. Introduction. Introduction to Information Technology. Information technologies in veterinary medicine. Modern programs. Knowing students with modern herd management programs.

Topic 2. Acquaintance of students with modern herd management programs. Agri Union. The method of introducing personal information on the cattle program Agri Union.

Topic 3. Acquaintance of students with the program Agri Union. Data entry. Analysis. Value of the program. The method of introducing personal information on the cattle program Agri Union.

Content module 2: Using modern programs in veterinary medicine

Topic 1. Acquaintance of students with the program Agrosoft. Data entry. Analysis. value of the program. The method of introducing personal information on breeding bulls program Agri Union.

Topic 2. The method of introducing personal information on the productivity of cows with the program Agri Union. The method of introducing personal information on pigs with the program Agrosoft. Introduction through the personal card of the animal. Entering information by group.

Topic 3. Analysis of the data obtained with the Orsek program. Analysis of the received data. Analysis of data on cattle breeding.

Topic 4. Acquaintance of students with modern programs of management of private veterinary clinics for the treatment of small animals. Data entry. Use of programs in work with clients. Planning of veterinary and preventive measures.

4. Structure of the academic discipline.

Names of content modules and topics		<i>The amount of hours for certain types of classes and independent work</i>		
		Total	Lab. classes	Individual work
<i>№</i>	<i>name</i>			
Module 1. IT in veterinary medicine				
Content module Modern Information Technologies in Veterinary Medicine				
1.1	Topic 1. Introduction to Information Technology.	8	4	6
1.2	Topic 2. Knowing students with modern herd management programs	8	6	6
1.3.	Theme 3. Acquaintance of students with the Agri Union program	8	4	6
1.4.	Theme 4. The method of introducing personal information on the cattle program Agri Union	12	6	6
<i>Total with content module 1</i>		36	20	24
Content module 2.				
2.1	Theme 5. The method of introducing personal information on breeding bulls program Agri Union	8	6	6
2.2	Theme 6. The method of introducing personal information on the productivity of cows with the program Agri Union	8	4	6
2.3	Theme 7. Analysis of the received data with the Agri Union program	4	6	6
2.4	Theme 8. Planning of veterinary and preventive measures	4	4	8
2.5	Topic 14. Acquaintance of students with modern programs for management of private veterinary clinics for the treatment of small animals	12	4	10

	<i>Together with content module 2</i>	40	24	36
	Total	90	44	46

7. Topics laboratory classes

#	Topic name	Hours
1.	1. Introduction. Introduction to Information Technology. Plan. 1. Information technologies in veterinary medicine .. 2. Modern programs	4
2.	Knowing students with modern herd management programs Plan. 1. Agri Union 2. Agrosoft 3.Orsec	6
3.	Acquaintance of the students with the Agri Union program Plan 1. Introduction given. 2. Analysis. 3. The meaning of the program.	4
4.	The method of introducing personal information on the cattle program Agri Union Plan 1. Introduction through the personal card animals. 2. Entering information into groups	6
5.	The method of introducing personal information on breeding bulls program Agri Union Plan 1. Introduction through the personal card animals. Entering information by group	6
6.	Method of introducing personal information on the productivity of cows with the program Agri Union Plan 1. Introduction through the personal card animals. 2. Entering information into groups	4
7.	Analysis of the data obtained with Agri Union Plan 1. Analysis of the obtained data on productivity. 2. Analysis of reproductive data. 3. Determining the costs of preventive-therapeutic measures.	6
8.	Planning of veterinary and preventive measures Plan 1. Planning of preventive measures. 2. Planning of treatment activities	4
9.	Acquaintance of students with the E-note program Plan. 1. Data entry. 2. Analysis. 3.The value of the program.	4
	Total	44

9. Independent work

№ п/п	Название темы	Количество часов
1	Introduction to Information Technology.	6
2	Acquaintance of students with modern herd management programs	6
3	Acquaintance of students with the Agri Union program	6
4	The method of introducing personal information on the cattle program Agri Union	6
5	Method of introducing personal information on breeding bulls program Agri Union	6
6	Method of introducing personal information on the productivity of cows with the program Agri Union	6
7	Analysis of the obtained data with the Agri Union program	6
8	Planning of veterinary and preventive measures	8
9	Acquaintance of students with modern programs for management of private veterinary clinics for the treatment of small animals	10
Total		46

10. Individual tasks

1. Preparation of abstracts:
 - 1.1. Modern programs for private veterinary clinics.
 - 1.2. Directions of IT development in animal breeding.
 - 1.3. New in the technology of growing animals.
2. Preparation of presentations:
 - 2.1. Modern information technologies in animal breeding.

11. Teaching methods

1. Methods of learning source of knowledge:
 - 1.1. Verbal, story, explanation, lecture, work with a book (a plan, summarizing, making tables).
 - 1.2. Visual: demonstration, illustration, observation.
 - 1.3. Practical: laboratory technique, practical work, exercise, production practices.
2. Methods of training in logic the nature of knowledge.
 - 2.1. Analytic.
3. Methods of studying the nature and level of independent intellectual activity of students.
 - 3.1. Problem (problem-information)
 - 3.2. Explanatory-demonstrative

12. Methods of control

1. Rating control a 100-point scale assessment ECTS
2. Implementation of the interim control during the semester (intermediate certification)
3. Many criterion assessment of current students:
 - The level of knowledge demonstrated in practical laboratory and semi-Nara training;
 - Activity when discussing issues submitted to school;
 - The results of the laboratory work and protection;
 - Writing assignments during the tests;
13. Distribution points that receive students

Ongoing testing and independent work					Self - learning	Total	Atte station	The amount of points
Content module 1 - 35 scores		Content module 2 - 35 scores						
T1	T2	T3	T4	T5	15	85 (65+20)	15	100
20	15	10	10	15				

Grading scale: national and ECTS

Total points for all the educational activities	Grade ECTS	Grade national scale	
		for examination, course project (work)	to practice standings
90 – 100	A	perfectly	Accepted
82-89	B	fine	
75-81	C		
69-74	D	satisfactorily	
60-68	E		
35-59	FX	unsatisfactorily with possibility of re-drafting	not reckoned with the possibility of re-drafting
1-34	F	unsatisfactorily with obligatory repeated study of discipline	not reckoned with the obligatory re-learning courses

13. Methodological support

1. Methodical instructions for practical laboratory and diploma work on the course "Information Technologies in Veterinary Medicine" and tasks for self-control "Information Technologies in Veterinary Medicine p.1"
2. Methodical instructions for practical laboratory and diploma work on the course "Information Technologies in Veterinary Medicine" and tasks for self-control "Information Technologies in Veterinary Medicine p.2"
3. Methodical instructions for practical laboratory and diploma work on the course "Information Technologies in Veterinary Medicine" and tasks for self-control "Information Technologies in Veterinary Medicine p.3"

14. Recommended literature

Basic

1. Automated information technologies in economics: Textbook / Ed. G.A. Titorenko. - M.: UNITY, 2018.
2. Information technologies of management: Teaching. manual for universities / Ed. prof. G.A. Titorenko. - Moscow: UNITY - DANA, 2013.
3. Makarova NV, Matveeva LA, Broido VL Informatics: A Textbook. - Moscow: Finances and Statistics, 1997.
4. Neil J. Rubenking. Effective search on the Internet // PC Magazine. - 2017. - №6.
5. Robert I. Modern Information Technologies in Education. - Moscow: School-Press, 1994.
6. Semenov M.I. Automated Information Technologies in Economics // Finance and Statistics - 2000 - № 9.
7. Talantov M. Search the Internet: use of names // Computer Press. - 2016. - №2.
8. TsIES "Business-Programs-Service" // Financial newspaper. - 2011. - No. 27.
9. Yadov G.B. Information and society // Around the world. - 2014. - No. 2.
10. Information systems. [Electronic resource]. - Access mode: http://www.islu.ru/k_inform/infssystemst.html.

Add

1. Information technology. [Electronic resource]. - Access mode: <http://kunegin.narod.ru/index.html>.
2. Use of modern information technologies in working with the population. [Electronic resource]. - Access mode: <http://koi.www.expos.ru/it/it.shtml>.
3. Restructuring of standardization on information technologies. [Electronic resource]. - Access mode: <http://www.techno.edu.ru:16001/db/msg/18628.html>.