


**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
SUMY NATIONAL AGRARIAN UNIVERSITY**

**Epizootiology and parasitology Chair**

**“CONFIRMED”**

**Chief of Epizootiology and parasitology Chair**

 (V. Y. Kassich)

**“ 1 ” 06 2020**

***CURRICULUM WORK PROGRAM (SILABUS)***

**ETP.17 Organization and Economics of Veterinary Affairs**

**Training direction: 211 "Veterinary Medicine"**

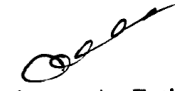
**Educational program: OPP "Veterinary Medicine"**

**Faculty: Veterinary Medicine**

**2020 – 2021 academic year**


Work Program of «Organization and Economics of Veterinary Affairs»  
was worked out for the first-year students of training direction 211 "Veterinary  
Medicine"

Authors:

Doctor, Professor Epizootiology and parasitology Chair  ( ) Fotina H. A.

Curriculum has been approbated on the Epizootiology and parasitology Chair  
Meeting.


Minutes of " 1 " 06 № 15

Chief of Epizootiology and parasitology Chair  (Doctor, prof. V. Y. Kassich)

Coordinated by:

Guarantor of the educational program  (LG Ulko)

Dean of the Faculty  (O. L. Nechiporenko)

Methodist of the Department of Education Quality,  
licensing and accreditation  ( )

Registered in electronic data base 03.07. 2020

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## WORKING PROGRAM OF EDUCATIONAL DISCIPLINE

### PP.17 Organization and Economics of Veterinary Affairs

#### 1. Description of the discipline

Name of indicators	Branch of knowledge, direction of training, educational and qualification level	Characteristics of the discipline	
		full-time education	external form of education
Number of credits - 4	Branch of knowledge: <i>21 "Veterinary Medicine "</i>	<i>Normative</i>	
	Training direction:		
Modules - 2	<b>Specialty:</b> 211 "Veterinary Medicine"	<b>Year of training:</b>	
Content modules: 7		2020 -2021 th	
Individual research task -		<b>Course</b>	
		2	
		<b>Semester</b>	
The total number of hours is 120		4th	
		<b>Lectures</b>	
Weekly hours for full-time study: classroom - 3 student's independent work- 5		16 hours	
		<b>Practical, seminars</b>	
	<b>Laboratory</b>		
	44		
	<b>Independent work</b>		
	60 hours		
	<b>Individual tasks:</b> -		
<b>type of control</b>			
	exam		

**Note.**

The ratio of hours of classes to independent and individual work is % :  
for daytime studies - 36/64

## **The purpose and tasks of the discipline**

**Goal :** Organization and economics of veterinary science - as a scientific discipline, studying the tasks and organizational forms of veterinary medicine, organization and economics of veterinary measures, methods of work of specialists in veterinary medicine of enterprises, institutions and organizations.

**Task:** studying the organization of planning, financing and management of veterinary matters.

*As a result of studying the discipline the student must:*

**know:** the basis of the veterinary business of Ukraine; legislation on veterinary medicine; method of determining the economic efficiency of veterinary measures; organization of state veterinary and sanitary control and supervision; objects of supervision and competence of state inspectors of veterinary medicine; instruction on financing of state veterinary medicine institutions; organization of material and technical support of veterinary measures, instructions on veterinary records and reporting; international veterinary organizations.

**be able:** to draw up acts on veterinary measures, to draw up protocols, resolutions on violation of veterinary legislation; to calculate the economic efficiency of veterinary measures; to draw up a plan of inspection of objects and to draw up documents of results of the state veterinary and sanitary control and supervision; to make estimates of the budget institution of state veterinary medicine, the plan of material and technical support, to draw up documents of veterinary record and reporting.

### **3. The curriculum program**

**(recommended for approval by the Academic Council of the SNAU  
from 21.04.2017 protocol number 23**

**Content module 1. *General organizational issues.*** Features of veterinary medicine in Ukraine. Veterinary measures. Scientific basis of veterinary measures. Right to practice veterinary practice. Entrepreneurial and individual work activities of specialists in veterinary medicine. The system of veterinary medicine and veterinary management in Ukraine.

Legislation on Veterinary Medicine in Ukraine. Fundamentals of the legislative regulation of veterinary matters. Law of Ukraine "On Veterinary Medicine", its content and significance.

**Semantic module 2. *Organization of veterinary matters in districts, cities and farms.*** Regulations on the State Emergency Antiepidemiological Commission under the Cabinet of Ministers of Ukraine. Regulations on enterprises and institutions of veterinary medicine. Organization of veterinary matters at state enterprises and institutions of veterinary

medicine. Organization of veterinary services in the region. Organization of veterinary services at farms. Organization of veterinary matters in cities. Preparation of documentation of veterinary measures, inspection of farms and farms. State veterinary control in the district. District State Laboratory of Veterinary Medicine. Laboratory of Veterinary Expertise in Food Markets, its Task. Procedure for installing and removing quarantine. Conventional Prohibition. Organization of measures for the elimination of chronic infectious diseases.

**Content module 3 . Planning, organization and economics of veterinary measures.** The value of scientifically grounded planning of veterinary measures to provide veterinary services to livestock and other sectors of the national economy. Objects of planning in veterinary medicine. Principles of veterinary measures planning. Veterinary statistics as a source of veterinary measures planning. Organization of veterinary measures. Organization of general antiepidemiological measures. The significance and objectives of the economic analysis of the effectiveness of veterinary measures. Economic losses caused by animal diseases. The main types of losses, the method of their calculation. Costs for veterinary measures and the method of their determination. Economic effectiveness of veterinary measures and the method of their determination. Statistical data as a source for determining the economic effectiveness of veterinary measures. Method of determination of indicators of economic efficiency of veterinary measures. Determination of morbidity, mortality, individual values of economic losses and expenses, other average values used for the analysis of the effectiveness of veterinary measures. Types of veterinary plans and the procedure for their compilation. Basic requirements for veterinary plans. Perspective, current and operational planning. Regulatory method of veterinary measures planning.

**Content module 4. Organization of veterinary control and supervision.** The purpose and tasks of veterinary and sanitary control, its essence. State and production veterinary and sanitary control, objects and methods of control, veterinary and sanitary measures. State veterinary and sanitary supervision. Inspection documents. Fundamentals of veterinary and sanitary control and supervision. Veterinary and sanitary control of animal retention. Control over the production, harvesting, storage, processing of products and raw materials of animal origin Organization of veterinary and sanitary control at the state border. Border points of state veterinary control and organization of their work .. Veterinary and sanitary control and supervision at enterprises on processing and storage of raw materials of animal origin

**Semantic module 5. Financing, logistical support of the veterinary medicine service and training of specialists in veterinary medicine.** Sources of financing of veterinary measures: budget allocations, extrabudgetary funds of enterprises and institutions of veterinary medicine

and funds of farms. Drawing up and approval of plans for the financing of veterinary measures. Methodology of cost estimation of the district hospital of state veterinary medicine. Fund manager and accounting in state veterinary medicine institutions.

Bodies, enterprises and commercial veterinary supply companies. Order of veterinary supply, preparation of applications. Accounting, storage and expenditure of property, inventory, medicines and disinfectants by enterprises and institutions of state veterinary medicine by agricultural enterprises. Responsibility for the storage of material values. Organization of veterinary education.

**Content module 6. Veterinary records, reporting and records management .** Forms of registration of veterinary measures in enterprises and establishments of veterinary medicine, agricultural enterprises, livestock complexes and cooperatives. Procedure for keeping records of primary veterinary record. Features of veterinary records in case of use of computer equipment. Writing of veterinary certificates and certificates, preparation of projects, orders, protocols).

Forms of reporting, the order of their compilation and terms of submission. Urgent submissions and prompt reports on the detection of infectious diseases. Veterinary statistics and their significance.

**Semantic module 7. International veterinary organizations and veterinary services in certain foreign countries .** International Veterinary Organizations: World Veterinary Association, International Epizootic Bureau, Veterinary Departments at UN and WHO. Participation of specialists in veterinary medicine in the work of the World Veterinary Congress, international epizootic bureau, symposia, congresses, conferences. Communication of the Veterinary Medicine Service of Ukraine with international organizations and veterinary services of foreign countries. Organization of the veterinary service in certain foreign countries. International Epizootic Service.

#### 4. Structure of the discipline

Names of content modules and themes	Number of hours											
	Full-time						Part-time form					
	All th	including					of all	including				
		l	p	lab	Ind	c.p.		l	p	lab	Ind	c.p.
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Module 1. General organizational issues.</b> <i>Planning, organization and economics of veterinary measures.</i>												
<b>MR 1.</b> General organizational issues.	8	4		4								
<b>WM 2</b> Organization of veterinary matters in districts, cities and farms.	40	2		6		32						
<b>3 MR.</b> Planning, organization and economics of veterinary measures.	8	2		6								
<b>Together for Module 1</b>	<b>56</b>	<b>8</b>		<b>16</b>		<b>32</b>						
<b>Module 2. Organization of veterinary control and supervision.</b> <i>Financing and logistical support of veterinary medicine service and training of veterinary specialists</i>												
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>MR 4</b> Organization of veterinary control	26	2		2		22						
<b>5 MR.</b> Financing and logistical support of veterinary medicine service and training of veterinary specialists	26	2		4		20						
<b>6 MR.</b> Veterinary records, reporting and records management	8	2		6								
<b>7 MR.</b> International veterinary organizations and veterinary services in certain foreign countries.	4	2		2								
<b>Total for Module 2</b>	<b>64</b>	<b>8</b>		<b>14</b>		<b>42</b>						
<b>Total hours per semester</b>	<b>120</b>	<b>16</b>		<b>30</b>		<b>74</b>						

## 5. Themes and plan of lectures

No. s / n	Title of topic	Number hours
1	<p><b>Theme 1: Fundamentals of Veterinary Affairs in Ukraine. The system of veterinary medicine and veterinary management in Ukraine.</b></p> <p>1. Features of veterinary medicine in Ukraine.            2. Veterinary measures.            3. New basics of veterinary measures.            4. The right to practice veterinary practice.</p>	2
2	<p><b>Topic 2. Fundamentals of the legislative regulation of veterinary matters.</b></p> <p>1. The basis of the legislative regulation of veterinary matters.            2. The Law of Ukraine "On Veterinary Medicine", its content and meaning .            3. Veterinary Affairs as a system of state bodies, enterprises, institutions of veterinary medicine (organizational structure of veterinary medicine in Ukraine.)</p>	2
3	<p><b>Theme 3 . The organization of work of state antiepidemic commissions.</b></p> <p>1. Provisions on the State Emergency Antiepidemic Commission under the Cabinet of Ministers of Ukraine.            2. Provisions on the State Emergency Antiepidemic Commission under the regional state administration.            3. Provisions on the State Emergency Antiepidemic Commission under the District State Administration.</p>	2
4	<p><b>Theme 4 : Planning and organizing veterinary activities. Economics of veterinary measures.</b></p> <p>1. The concept of scientifically based planning of veterinary measures for the provision of veterinary services for livestock and other sectors of the national economy.            2. Organization of veterinary measures.            3. The meaning and objectives of the economic analysis of the effectiveness of veterinary measures.            4. Economic losses caused by animal diseases.            5. Costs for carrying out veterinary measures and the method of their determination.            6. Economic efficiency of veterinary measures and the method of their determination.            7. Statistical data as a source for determining the economic effectiveness of veterinary measures.</p>	2



	<p>8. Method of determination of indicators of economic efficiency of veterinary measures.</p> <p>9. Determination of the coefficients of morbidity, mortality, individual values of economic losses and costs, other average values used to analyze the effectiveness of veterinary measures.</p>	
5	<p><b>Theme 5. Fundamentals of veterinary and sanitary control and supervision in Ukraine.</b></p> <p>1. The purpose and tasks of veterinary and sanitary control, its essence.</p> <p>2. State and production veterinary-sanitary control, objects and methods of control.</p> <p>3. Veterinary and sanitary measures, their connection with the sanitary-epidemiological service.</p>	2
6	<p><b>Theme 6. Financing and logistical support of veterinary measures.</b></p> <p>1. Funds for financing veterinary measures: budget allocations, extrabudgetary funds of enterprises and veterinary institutions, deductions from state funds and funds of farms.</p> <p>2. Material and technical support of veterinary measures.</p> <p>3. Organization of veterinary supply.</p>	2
7	<p><b>Theme 7. Veterinary record and reporting.</b></p> <p>1. Formy accounting for veterinary measures in enterprises and institutions of veterinary medicine, agricultural enterprises, livestock complexes and cooperatives.</p> <p>2. Procedure for keeping documents of primary veterinary record.</p> <p>3. Features of veterinary record in case of use of computer equipment.</p> <p>4. Forms of reporting, order of their compilation and terms of submission.</p> <p>5. Urgent appeals and operational reports on the detection of infectious diseases.</p> <p>6. Veterinary statistics and their significance.</p> <p>7. Use of computers for processing and analysis of veterinary reporting.</p> <p>8. The newest technical means for the processing of veterinary statistics.</p>	2
8	<p><b>Subject 8. Veterinary Clerical. International Veterinary Organizations.</b></p> <p>1. Veterinary documents: certificates, certificates, certificates, protocols, etc.</p>	2

	<p>2. Handling and storage of cases in enterprises and institutions of veterinary medicine.</p> <p>3. International Veterinary Organizations: World Veterinary Association, International Epizootic Bureau, Veterinary Departments at UN and WHO.</p> <p>4. Communication of the Veterinary Medicine Service of Ukraine with international organizations and veterinary services of foreign countries.</p>	
	<b>Together</b>	<b>16</b>

### 8. Topics of laboratory lessons

No. s / n	Title of topic	Number hours
1	<b>Topic 1:</b> Legislation on Veterinary Medicine in Ukraine	2
2	<b>Topic 2.</b> (Law of Ukraine "On veterinary medicine", resolutions of the Verkhovna Rada and the Cabinet Ministers).	2
3	<b>Theme 3 .</b> Regulations on enterprises and institutions of veterinary medicine . Organization of veterinary matters at state enterprises and institutions of veterinary medicine. Organization of veterinary services in the region. Calculation of the staff of veterinary medicine workers.	2
4	<b>Topic 4 .</b> Organization of veterinary services at farms. Organization of veterinary matters in cities.	2
5	<b>Theme 5.</b> Preparation of documentation of veterinary measures, inspection of farms and farms. Drafting decisions of the local state administration on veterinary medicine.	2
6	<b>Theme 6.</b> Planning of veterinary measures, preparation of annual plans for veterinary measures. Preparation of antiepidemic plans for veterinary measures. Preparation of plans for veterinary measures against non-communicable diseases .	2
7	<b>Theme 7.</b> Economics of veterinary measures. Study of the method of determining the economic efficiency of veterinary measures	2
8	<b>Subject 8.</b> Study of methods of calculating economic losses and economic efficiency of veterinary measures in the case of infectious, invasive, non-contagious animal diseases.	2
9	<b>Theme 9 :</b> Writing documents for inspection inspections. Registration of documents for the collection of fines for violation of the Law of Ukraine "On Veterinary Medicine"	2
10	<b>Theme 10</b> Preparation of a plan for the financing of	2

	veterinary measures. .Calculations of prices for veterinary services of animals in the conditions of self-financing	
1 1	<b>Topic 11</b> . Organization of veterinary supply on the basis of "Ukoozovetprompostach" corporation.	2
1 2	<b>Subject 12.</b> Veterinary record.	2
1 3	<b>Theme 1 3.</b> Veterinary reporting and records management (preparation of accounting documentation).	2
1 4	<b>Theme 1 4</b> . Writing of veterinary certificates and certificates, preparation of draft orders, protocols).	2
1 5	<b>Subject 15.</b> International Epizootic Service.	2
	<b>Total</b>	<b>30</b>

### 9. Independent work

No. s / n	Title of topic	Number hours
1	<b>WM 2</b> Organization of veterinary matters in districts, cities and farms.	32
2	<b>MR 4.</b> Organization of veterinary control.	22
3	<b>MR 5</b> Financing and logistical support of veterinary medicine service and training of veterinary specialists	20
	<b>Total</b>	<b>74</b>

### 11. Methods of training

#### 1. Methods of training on the source of knowledge:

1.1. *Verbal* : story, explanation, conversation (heuristic and reproductive), lecture, work with the book (reading, writing out, drawing up a plan, annotation, making tables, schedules, etc.).

1.2. *Visual* : demonstration, illustration, observation.

1.3. *Practical* : laboratory method.

#### 2. Methods of learning by the nature of the logic of knowledge.

2.1. *Analytical*.

2.2. *Methods of synthesis* .

#### 3. Methods of training on the nature and level of independent mental activity of students.

3.1. *Problematic* (problem-information)

3.2. *Partial search (heuristic)*

3.3. *Research*

**4. Active teaching methods** - the use of technical means of training, the use of problem situations, excursions, occupations in the workplace, self-knowledge, simulation methods (built on the simulation of future professional activities), the use of teaching and control tests, the use of reference notes of lectures )

**5. Interactive learning technologies** - using multimedia technologies.

## 12. Control methods

1. Rating control of the 100-point ECTS grading scale
2. Provision of interim controls during the semester (intermediate certification)
3. Polycritic assessment of students' current work:
  - results of performance and protection of laboratory works;
  - express control during classes;
  - independent study of the topic as a whole or individual issues;
  - writing abstracts;
  - test results;
  - written assignments during carrying out of control works;
  - production situations.
4. Direct calculation in the final evaluation of the student's performance of a particular individual task:
  - educational work;

## 13. Distribution of the points received by students (exam)

Current testing and independent work							Toget her for modul es and CPCs	Attestat ion	Fin al test - exa m	CP C	Su m
Module1 20 points			Module 2 20 points								
MR 1	WM 2	MR 3	MR 4	MR 5	MR 6	MR 7	55 (40 + 15)	15	30	15	100
5	8	7	5	5	5	5					

### Scale: national and ECTS

The amount of points for all types of educational activities	Assessment of ECTS	Score on a national scale	
		for exam, course project (work), practice	for the offset
90 - 100	<b>AND</b>	perfectly	enrolled
82-89	<b>IN</b>	okay	
75 -81	<b>WITH</b>		
69-74	<b>D</b>		
60-68	<b>IS</b>	satisfactorily	
35-59	<b>FX</b>	unsatisfactory with the possibility of re- assembly	is not counted with the possibility of re- assembly
1 -34	<b>F</b>	unsatisfactorily with compulsory repeated study of discipline	is not enrolled with compulsory repeated study of discipline

#### **14. Methodical support**

1. Fotina GA, Fotin AI Veterinary reporting. Methodical indications for independent work of students . Sumy. 2007 43 s.
2. Fotina G. A., Fotin A.I. Determination of economic efficiency of veterinary measures. Methodical indications for the self- sustained work of students. Sumy. 2009 26 sec.
3. Fotina G. A., Fotin A.I. Plan for preventing them and antiepidemiological measures. Methodical indications for the self- sustained work of students. Sumy. 2009, 19 p.
4. Fotina G. A., Fotin A.I. Financing of veterinary measures . Methodical indications for the independent work of students. Sumy, 2009 35 s.
5. Fotina GA, Fotin AI Rules for issuing veterinary documents for cargoes subject to compulsory veterinary-sanitary control and supervision. Methodic indications for independent work of students of Sumy. 2006, pp .38

#### **15. Recommended literature**

##### **Basic**

1. AF Yevtushenko, MT Radionov. Organization and Economics of Veterinary Affairs View. Ariste Kiev. 2004, p. 284
2. IN Nikitin M. History of Veterinary Medicine. Kiev. Kind. "Harvest" .2001. from 207
3. I.Nikitin, V.F. Voskoboynyk Organization and Economics of Veterinary Affairs Moscow . Vladas 2003 g

##### **Auxiliary**

1. The Law of Ukraine "On Veterinary Medicine", Kiev, 200 8 .
2. Regulations and instructions of the Ministry of Agrarian Policy of Ukraine

#### **16. Information resources**

1. www . vet . gov. ua - State Veterinary and Phytosanitary Services of Ukraine
2. The site of the State Committee for Consumer Goods and Consumer Protection of Ukraine