

Ministry of Education and Science of Ukraine  
Sumy National Agrarian University  
Faculty of Veterinary Medicine  
Department of Veterinary Examination, Microbiology, Zoohygiene and Safety and  
Quality of Livestock Products

## **MODULE SYLLABUS**

INTERNATIONAL STANDARDS FOR THE MAINTENANCE AND  
EXPLOITATION OF ANIMALS

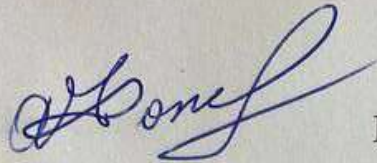
(selective)

Implemented within the educational program 211 VETERINARY MEDICINE  
in specialty **211 VETERINARY MEDICINE**


**Level of higher education:** the second master's level of higher education

**Sumy-- 2022**


Author:





**Fotina H.A., doctor of vet. science, Professor**

Module syllabus agreed at the Veterinary Examination, Microbiology, Zoohygiene and Safety and Quality of Livestock Products Department meeting	protocol dated 13.06.2022 № 11
	The Head of Chair <b>T.I. Fotina</b> 

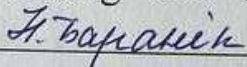
**Agreed:**

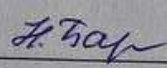
Guarantor of the educational program  Ulko L.G.

Dean of the faculty,  
where educational programs implemented  Nechiporenko O.L.

Syllabus review (attached) is provided by:  (Petrov R.V.)  
( )

Representative of the Department of Education Quality assurance,  
licensing and accreditation

(  )



Registered in electronic data base 12.07. 2022

**Syllabus review data:**

The academic year in which changes are made	The Academic program attachment number with changes description	Changes revised and approved		
		Minutes No and date of the department meeting	Head of Department	Guarantor of the Academic program

## 1. MODULE OVERVIEW

1.	Name OK	International standards for the maintenance and exploitation of animals		
2.	Faculty / department	Faculty of Veterinary Medicine. Department of Veterinary Examination, Microbiology, Zoohygiene and Safety and Quality of Livestock Products		
3.	Type (compulsory or optional)	selective		
4.	Program(s) to which module is attached (to be filled in for compulsory types)	Veterinary medicine 211		
5.	Module can be suggested for (to be filled in for optional types)	Veterinary medicine 211 The second master's level of higher education		
6.	Level of the National Qualifications Framework	6		
7.	Semester and duration of study	3rd semester, 18 weeks		
8.	ECTS credits number	5		
9.	Total workload and time allotment	Contact work (classes)		Individual work
		Lectures	Practical / seminar	Laboratory
10.		-		30 120
11.	Language of instruction	English		
12.	Module leader	Fotina Anna Anatoliyivna		
1 1.1	Contact Information	Sumy NAU, Faculty of Veterinary Medicine, Department of Veterinary Examination, Microbiology, Zoohygiene and Safety and Quality of Livestock Products. Room. 2a super.annafotina @ ukr .net		
13.	General description of the educational	OK. International standards for the keeping and exploitation of animals' study international legal standards for the protection of animals in national and		

	component	European aspects. It studies the international legal regulation of animal exploitation. Describes and studies international animal standards. Provides knowledge about the protection and promotion of animal health, rational methods of keeping, feeding, rearing and care, ensuring their high productivity due to heredity. Conducts a comprehensive review of international acts. Provides a system of international standards that in one way or another regulate the use of wildlife. In some respects, it highlights the role of these acts and the impact on national legislation. OK. analyzes the ways of protection of animal rights provided by the legislation. Provides the material necessary for the study and mastering by students of the basic provisions of international approaches to health care, disease prevention and productivity of animals, obtaining high quality and biologically complete livestock products.
14.	The purpose of the educational component	The purpose of the course "International standards of keeping and exploitation of animals" is to train veterinarians who must have knowledge of: international standards of keeping and exploitation of animals. During the course students should consider theoretical and practical issues of international legal regulation of cooperation between states in the field of ensuring appropriate standards for keeping and exploitation of animals. Gain international experience in the protection and promotion of animal health, rational methods of keeping, feeding, rearing and care that ensure their high productivity due to heredity.
15.	Prerequisites for studying OK, the relationship with other educational components of OP	<ol style="list-style-type: none"> <li>1. The educational component is based on such OK as "Animal Genetics and Breeding", "Bioethics, Biosafety, Biosecurity and Ecology", "Normal and Pathological Physiology of Animals".</li> <li>2. The educational component is the basis for such OK as " Veterinary hygiene and sanitation of animals ", "Clinical and laboratory diagnosis of animal diseases", "Organization and economics of veterinary affairs", " Veterinary international and national legislation".</li> <li>3. The main component is incompatible (does not have)</li> </ol>

16. The policy of academic integrity

- attending classes. In case of skipping classes without good reason, the student must hand over to the teacher thematic situational tasks,
- access to higher education for people with special needs. Applicants for higher education with special needs must inform the teacher of the discipline in advance. At the request of the survey, the acceptance of tests and presentations is carried out individually, in the time allotted for consultations (according to this syllabus), in the laboratory or online;
- academic activity. Answers to situational tasks and questions of the thematic survey depend on the level of knowledge of the student and are carried out at his request.
- laboratory classes. The use of a mobile phone, tablet or other mobile devices during the lesson (except as provided in the curriculum and guidelines of the teacher) is prohibited.

Prevention of academic plagiarism. Write-offs and plagiarism are not allowed; in case of dishonesty the work is not credited. Plagiarism check algorithm systems are also tools for counteracting violations of academic integrity. In case of violations, the response is in accordance with the regulations on the academic integrity of participants in the educational process in Sumy NAU (<https://snau.edu.ua/viddil-zabezpechennya-yakosti-osviti/zabezpechennya-yakosti-osviti/akademichna-dobrochesnist/>). If a violation of academic integrity is detected, the completed task is not credited and is sent for re-execution.

Formation of skills of academic writing and thinking. Recommendations for making presentations. The tasks of independent work provided by the program must be completed in a timely manner, with correct reference to sources of information. During the preparation it is necessary to study the basic and reference literature, which will help to create a logical, meaningful report when presenting the presentation and competently answer the questions of classmates and the teacher. Under

		certain circumstances (skipping classes for good reasons, the introduction of distance learning, etc.) the student can send a presentation for assessment individually to the e-mail address specified in this syllabus.
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**2. CORRELATION BETWEEN MODULE LEARNING OUTCOMES (MLOs) AND PROGRAM LEARNING OUTCOMES (PLOs)**

MLOs: On successful completion of the module the learner will be able to:	Program learning outcomes to be achieved by the OK (indicate the number according to the numbering given in the OP)						How assessed
	PLOs	PLOs	PLOs	PLOs	PLOs	PLOs	
	1	2	3	4	5	6	
<b>MLO 1.</b> Introduction. The OIE as the WTO reference organization for standards relating to animal health and zoonoses.							survey of theoretical issues, performing tasks in laboratory and practical classes, testing , performing tasks of independent work
<b>MLO2.</b> Content of OIE standards New international standards and guidelines Generic chapters in the Terrestrial and Aquatic Codes.							survey of theoretical issues, performing tasks in laboratory and practical classes, testing , performing

							tasks of independent work
<b>MLO 3.</b> New ISO specification for better management of animal welfare worldwide.							survey of theoretical issues, performing tasks in laboratory and practical classes, testing, performing tasks of independent work
<b>MLO 4.</b> International standards for keeping animals.							survey of theoretical issues, performing tasks in laboratory and practical classes, testing, performing tasks of independent work
<b>MLO 5.</b> International standards for exploiting animals.							survey of theoretical issues, performing tasks in laboratory and practical classes, testing, performing tasks of independent work
<b>MLO6.</b> Specific guidelines for the slaughter of animals for human consumption and the killing of ani							survey of theoretical issues,



mals for disease control purposes .							performing tasks in laboratory and practical classes, testing, performing tasks of independent work
<b>MLO7.</b> Model international veterinary and aquatic animal health certificates.							survey of theoretical issues, performing tasks in laboratory and practical classes, testing, performing tasks of independent work
<b>MLO8.</b> Implementing OIE standards.							survey of theoretical issues, performing tasks in laboratory and practical classes, testing, performing tasks of independent work

### 3. MODULE INDICATIVE CONTENT

#### Autumn semester

Topics	Distribution of hours		Learning resources
	Directed study	Self - directed	

				study	
	Lectures	pr	lab		No (from the list of Learning resources)
<p><b>Topic 1. The OIE as the WTO reference organization for standards relating to animal health and zoonoses.</b></p> <ol style="list-style-type: none"> <li>1. Introduction to the subject.</li> <li>2. The OIE as the WTO reference organization for standards relating to animal health and zoonoses.</li> <li>3. International Standards: Protecting animals, preserving our future.</li> <li>4. Standards Setting Process Specialist Commissions</li> </ol>	-		4	14	1,7,9, 11.
<p><b>Topic 2. Content of OIE standards New international standards and guidelines Generic chapters in the Terrestrial and Aquatic Codes</b></p> <ol style="list-style-type: none"> <li>1. What are OIE International Standards?</li> <li>2. The <i>Terrestrial Animal Health Code</i>. Generic chapters in the Terrestrial Code</li> <li>3. Animal welfare in the Terrestrial Code.</li> <li>4. The principles of animal welfare.</li> <li>5. The <i>Aquatic Animal Health Code</i> Generic chapters in the Aquatic Code.</li> </ol>	-		2	14	2, 3,13.
<p><b>Topic 3. New ISO specification for better management of animal welfare worldwide.</b></p> <ol style="list-style-type: none"> <li>1. ISO / TS 34700: 2016 requirements and guidance for the implementation of the animal welfare principles as described in the introduction to the recommendations for animal welfare of the OIE TAHC.</li> <li>2. ISO / TS 34700: 2016 applies to terrestrial animals bred or kept for the production of food or feed. The following areas are excluded: animals</li> </ol>	-		4	30	4, 5, 15,12

				study	
	Lectures	pr	lab		No (from the list of Learning resources)
<p><b>Topic 1. The OIE as the WTO reference organization for standards relating to animal health and zoonoses.</b></p> <ol style="list-style-type: none"> <li>1. Introduction to the subject.</li> <li>2. The OIE as the WTO reference organization for standards relating to animal health and zoonoses.</li> <li>3. International Standards: Protecting animals, preserving our future.</li> <li>4. Standards Setting Process Specialist Commissions</li> </ol>	-		4	14	1,7,9,11.
<p><b>Topic 2. Content of OIE standards New international standards and guidelines Generic chapters in the Terrestrial and Aquatic Codes</b></p> <ol style="list-style-type: none"> <li>1. What are OIE International Standards?</li> <li>2. The <i>Terrestrial Animal Health Code</i>. Generic chapters in the Terrestrial Code</li> <li>3. Animal welfare in the Terrestrial Code.</li> <li>4. The principles of animal welfare.</li> <li>5. The <i>Aquatic Animal Health Code</i> Generic chapters in the Aquatic Code.</li> </ol>	-		2	14	2,3,13.
<p><b>Topic 3. New ISO specification for better management of animal welfare worldwide.</b></p> <ol style="list-style-type: none"> <li>1. ISO / TS 34700: 2016 requirements and guidance for the implementation of the animal welfare principles as described in the introduction to the recommendations for animal welfare of the OIE TAHC.</li> <li>2. ISO / TS 34700: 2016 applies to terrestrial animals bred or kept for the production of food or feed. The following areas are excluded: animals</li> </ol>	-		4	30	4, 5, 15,12

used for research and educational activities, animals in animal shelters and zoos, companion animals, stray and wild animals, aquatic animals, killing for public or animal health purposes under the direction of the competent authority, humane killing traps for nuisance and fur species.					
<b>Topic 4. International standards for keeping animals.</b> 1. Standards for the Accommodation and Care of Animals 2. Animal Environment, Housing, and Management 3. Cattle care standards 4. Pig Standards 5. Poultry keeping standards 6. Equine Standards 7. Standards for the Accommodation and Care of Animals in Zoos and Aquaria	-		4	28	5, 16, 11
<b>Topic 5. International standards for exploiting animals</b> 1. Transport of animals by sea; 2. Transport of animals by land 3. Transport of animals by air; 4. Animal welfare and beef cattle production systems; 5. Animal welfare and broiler chicken production systems; 6. Animal welfare and dairy cattle production systems. 7. Animal welfare and pork production systems 8. Disease surveillance 9. Animal production food safety	-		4	15	1, 4, 7, 10.
<b>Topic 6. Specific guidelines for the slaughter of animals for human consumption and the killing of animals for disease control purposes.</b> 1. EU legislation on the killing of animals aims to minimize the pain and suffering of animals 2. On-farm killing for disease control purposes	-		4	15	6, 7, 20.
<b>Topic 7. Model international veterinary and aquatic animal health certificates</b>	-		4	2	8, 17.

1. Issuing International Health Certificates (IHCs) for Live Animal Movement 2. International movements of competition horses 3. Model health certificates for international trade in live aquatic animals and products of aquatic animal origin					
<b>Topic 8. Implementing OIE standards</b> 1. Implementing OIE standards 2. OIE seventh strategic plan for the period 2021–2025	-		4	2	9,19.
Total			30	120	

#### 4. METHODS OF TEACHING AND TEACHING

MLOs	Teaching methods (directed study)	Hours	Learning methods (self-directed study)	Hours
<b>MLO1.</b> Introduction. The OIE as the WTO reference organization for standards relating to animal health and zoonoses.	<b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> story, explanation, conversation (heuristic and reproductive), lecture, instruction. <i>Visual:</i> demonstration, illustration, observation. <b>Active methods:</b> (use of technical teaching aids, use of training and control tests) <b>Interactive teaching methods:</b> (use of multimedia technologies.	4	<b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), <i>Visual:</i> observation. <b>Teaching methods by the nature of the logic of cognition</b> (analytical, <i>synthesis methods</i> , and <i>inductive method</i> , <i>deductive method</i> , <i>translational method</i> ). <b>Active methods (brainstorming, crossword puzzles, debates, round</b>	14

			<p>tables, binary classes, business and role-playing games, group research).</p> <p><b>Interactive learning technologies</b> (use of multimedia technologies, dialogue learning, student cooperation (cooperation))</p>	
<p><b>MLO 2.</b> Content of OIE standards New international standards and guidelines Generic chapters in the Terrestrial and Aquatic Codes.</p>	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> story, explanation, conversation (heuristic and reproductive), lecture, instruction. <i>Visual:</i> demonstration, illustration, observation. <b>Active methods:</b> (use of technical teaching aids, use of training and control tests) <b>Interactive methods will present ing :</b> (use of multimedia technologies).</p>	2	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), <i>Visual:</i> observation. <b>Teaching methods by the nature of the logic of cognition</b> (analytical, <i>synthesis methods</i>, and <i>inductive method</i>, <i>deductive method</i>, <i>translational method</i>).</p> <p><b>Active methods (brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing</b></p>	14

			<p>games, group research).</p> <p><b>Interactive technologies teaching</b> (use of multimedia technology, learning dialogue, cooperation of students (cooperation)).</p>	
<p><b>MLO 3</b> New ISO specification for better management of animal welfare worldwide.</p>	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> story, explanation, conversation (heuristic and reproductive), lecture, instruction. <i>Visual:</i> demonstration, illustration, observation. <b>Active methods:</b> (use of technical teaching aids, use of training and control tests) <b>Interactive methods will presenting :</b> (use of multimedia technology , spreadsheets.</p>	2	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), <i>Visual:</i> observation. <b>Teaching methods by the nature of the logic of cognition</b> (analytical, <i>synthesis methods</i>, and <i>inductive method</i>, <i>deductive method</i>, <i>translational method</i>).</p> <p><b>Active methods (brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research).</b> <b>Interactive</b></p>	30

			<b>technologies teaching</b> ( use of multimedia technology, learning dialogue, cooperation of students (cooperation)	
<b>MLO 4.</b> International standards for keeping animals.	<b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> story, explanation, conversation (heuristic and reproductive), lecture, instruction. <i>Visual:</i> demonstration, illustration, observation. <b>Active methods:</b> (use of technical teaching aids, use of training and control tests) <b>Interactive methods will present ting :</b> (ie use of multimedia technologies, spreadsheets.	4	<b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), <i>Visual:</i> observation. <b>Teaching methods by the nature of the logic of cognition</b> (analytical, <i>synthesis methods</i> , and <i>inductive method</i> , <i>deductive method</i> , <i>translational method</i> ). <b>Active methods (brainstorming,</b> crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). <b>Interactive technologies teaching</b> ( use of multimedia	30



			technology, learning dialogue, cooperation of students (cooperation)	
MLO 5. International standards for exploiting animals.	<p><b>Methods of teaching by source of knowledge:</b>  <i>Verbal:</i> story, explanation, conversation (heuristic and reproductive), lecture, instruction.  <i>Visual:</i> demonstration, illustration, observation.</p> <p><b>Active methods:</b> (use of technical teaching aids, use of training and control tests)</p> <p><b>Interactive methods will present ting :</b> (use of multimedia technologies).</p>	4	<p><b>Methods of teaching by source of knowledge:</b>  <i>Verbal:</i> work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), <i>Visual:</i> observation.</p> <p><b>Teaching methods by the nature of the logic of cognition</b> (analytical, <i>synthesis methods</i>, and <i>inductive method</i>, <i>deductive method</i>, <i>translational method</i>).</p> <p><b>Active methods (brainstorming,</b> crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research).</p> <p><b>Interactive technologies teach ting</b> ( use of multimedia technology, learning dialogue, cooperation of</p>	15

			students (cooperation)	
<p><b>MLO 6.</b> Specific guidelines for the slaughter of animals for human consumption and the killing of animals for disease control purposes.</p>	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> story, explanation, conversation (heuristic and reproductive), lecture, instruction. <i>Visual:</i> demonstration, illustration, observation. <b>Active methods:</b> (use of technical teaching aids, use of training and control tests) <b>Interactive methods will present ting :</b> (ie use of multimedia technologies, spreadsheets.</p>	2	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), <i>Visual:</i> observation. <b>Teaching methods by the nature of the logic of cognition</b> (analytical, <i>synthesis methods</i>, and <i>inductive method</i>, <i>deductive method</i>, <i>translational method</i>). <b>Active methods (brainstorming,</b> crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). <b>Interactive technologies teach ting</b> (use of multimedia technology, learning dialogue, cooperation of students (cooperation).</p>	15

<p><b>MLO 7.</b> Model international veterinary and aquatic animal health certificates.</p>	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> story, explanation, conversation (heuristic and reproductive), lecture, instruction. <i>Visual:</i> demonstration, illustration, observation. <b>Active methods:</b> (use of technical teaching aids, use of training and control tests) <b>Interactive methods will present ting :</b> (use of multimedia technologies.</p>	<p>2</p>	<p><b>Methods of teaching by source of knowledge:</b> <i>Verbal:</i> work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), <i>Visual:</i> observation. <b>Teaching methods by the nature of the logic of cognition</b> (analytical, <i>synthesis methods</i>, and <i>inductive method</i>, <i>deductive method</i>, <i>translational method</i>). <b>Active methods (brainstorming,</b> solving crosswords, debates, round tables, binary classes, business and role-playing, group research). <b>Interactive technology teach ting</b> ( use of multimedia technology, learning dialogue, cooperation of students (cooperation)</p>	<p>5</p>
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**MLO**

8. Implementing OIE standards.

**Methods of teaching by source of knowledge:**

*Verbal:* story, explanation, conversation (heuristic and reproductive), lecture, instruction.

*Visual:* demonstration, illustration, observation.

**Active methods:** (use of technical teaching aids, use of training and control tests)

**Interactive methods will present ting :** (use of multimedia technologies).

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**Methods of teaching by source of knowledge:**

*Verbal:* work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), *Visual:* observation.

**Teaching methods by the nature of the logic of cognition** (analytical, *synthesis methods*, and *inductive method*, *deductive method*, *translational method*).

**Active methods (brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research).**

**Interactive technologies teaching** (use of multimedia technology, learning dialogue, cooperation of students (cooperation))

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**5. ASSESSMENT**

**5.1. Diagnostic assessment**

**5.2. Summative assessment**