

An aerial photograph of the Sumy National Agrarian University campus. The image shows a large, multi-story academic building with a central entrance, surrounded by green lawns and pathways. In the background, there is a large sports field with a running track and a stadium. To the right, there are several multi-story residential buildings. The campus is situated in a suburban area with trees and a river visible in the distance. The text "SUMY" is overlaid in a yellow, bold, sans-serif font on a brown rectangular background in the top left corner.

**SUMY**

**NATIONAL**

**AGRARIAN**

**UNIVERSITY**





*Faculty of Veterinary Medicine*



At Veterinary Medicine Department we teach students to obtain **«Bachelor Degree of Veterinary Medicine»** 211 (4 years). Every year we have license for 175 students, among them **120** - budgetary funding and **«Master Degree of Veterinary Medicine»** 211 (1-2 years) **(license for 75 students)**, **212 «Master Degree of Veterinary hygiene, sanitation and expertise «(license for 25 students)».**

At the Faculty of Veterinary Medicine we have specializations in following subjects:

- “Veterinary pharmacy”,
- “Business in veterinary medicine”,
- “Biotechnology”,
- “Diseases of pets”,
- “Laboratory research”,
- “Safety and quality of products of animal origin”,
- “Diseases of poultry, pigs and cattle”.

**Educational process is provided by 9 Departments.**  
**13 Professors and 48 Associate Professors.**



*Faculty of Veterinary Medicine*



Faculty of veterinary medicine  
includes 780 students,  
12 of them are foreign students



# Basics of biosafety, bioethics and veterinary ecology

## ANNOTATION

### 1. Basics of biosafety, bioethics and veterinary ecology

Curriculum of Basics of biosafety, bioethics and veterinary ecology was worked out for the first-year students of training direction 211 "Veterinary Medicine"

Authors:

Phd, Assistant professor Vetsanexamination, microbiology, zoohygiene, safety and quality of animal products Chair Fotin A. V.

Doctor, Professor Vetsanexamination, microbiology, zoohygiene, safety and quality of animal products Chair Fotina T. I.

Total quantity - 90h, Lectures-14. seminars-30h,

Independent work - 46h.

Type of control:credit

Number of credits – 2

Module – 3

Content modules: 9



*Faculty of Veterinary Medicine*

## **Module 1. The basic of Biosafety.**

**Topic 1. Introduction. Disciplines problem. Biosafety and biosecurity. The important role of Biosafety and Biosecurity. Laboratory Biosafety Level Criteria. Types of agents.**

**Topic 2. . Bioterrorism detection and resilience strategies. Dual use Research. Biological Weapons Convention.**

**Topic № 3. Infectious disease. Biological hazards.**

**A genetically modified organism (GMO. )**

## **Module 2. The basic of Bioethics.**

**Topic № 4 What is Bioethics? Bioethics Of Cloning. Introduction to Veterinary Genetics.**

**Topic 5. Animal rights.**

**Animal rights. Moral status of animals in the ancient world.**

**Animal testing. The Three R's.**

**Topic 6. Euthanasia of animals. Introduction. Purpose of euthanasia.**

## **Module 3. Veterinary ecology .**

**Topic 7. What is Veterinary ecology . Ecological science. Microbial ecology and environmental protection. Ecological methods.**

**Topic 8. A microorganism as microscopic living organism. Biogeocenosis. The animal body and environmental factors.**

**Ecosystem goods and services. Abiotic factors.**

**Topic 9. The biological and geological future of Earth. Anthropogenic Action and Global Change**



# *Faculty of Veterinary Medicine*



# Professional ethics of veterinarians

*Total quantity - 90h*

*Seminars - 30h*

*Independent work - 60h*



*Faculty of Veterinary Medicine*



# *The quality and safety of animal products.*

Faculty opened a new line of 212 "Quality and safety of animal products" for training in the Bachelor's and Master's Degree Veterinary Medicine.







# ***Created in cooperation with the Faculty of agricultural technologies and Natural Resources Ecology Laboratory***





# Using computer software company “Internich” – “Physicians against the experiment on animals” for teaching animal physiology





Masters FVM have the opportunity to undergo training on the software for managing dairy farm "UNIFORM AGRI", visit Dairy Congress and be employed in a specialty farms AVIM (about 200) throughout Ukraine.

2013 рік



2016 рік



2015 рік



2017 рік



2014 рік





# Training Research and Production Clinic of Faculty Of Veterinary Medicine





# Training Research and Production Clinic of Faculty Of Veterinary Medicine

11

- 1 – classrooms and auxiliary facilities
- 2 – stalls for horses
- 3 – storage of feed
- 4 – facilities for pig
- 5 – hay storages
- 6 – enclosure for cattle
- 7 – stalls for cattle

- 8 – pens for poultry
- 9 – silo
- 10 – manure
- 11 – equestrian arena
- 12 – biothermal pit
- 13 – indoor equestrian arena
- 14 – veterinary pharmacy

13

12

10

9

2

7

3

7

2

2

8

8

8

8

8

4

5

6

1

14

1

1

8





**Milk quality and safety analysis  
is conducted at  
interdepartmental laboratory of  
milk quality analysis.**





# Interdepartmental Laboratory of Beekeeping





# Equestrian sports school





# Laboratory of taxidermy FVM





# Opening a branch faculty of veterinary medicine at the veterinary center "Health"





# Practical training in the largest agricultural companies

«Vitchizna»



«AVM»

«MHP»

«IMK»



«UkrLandFarming»

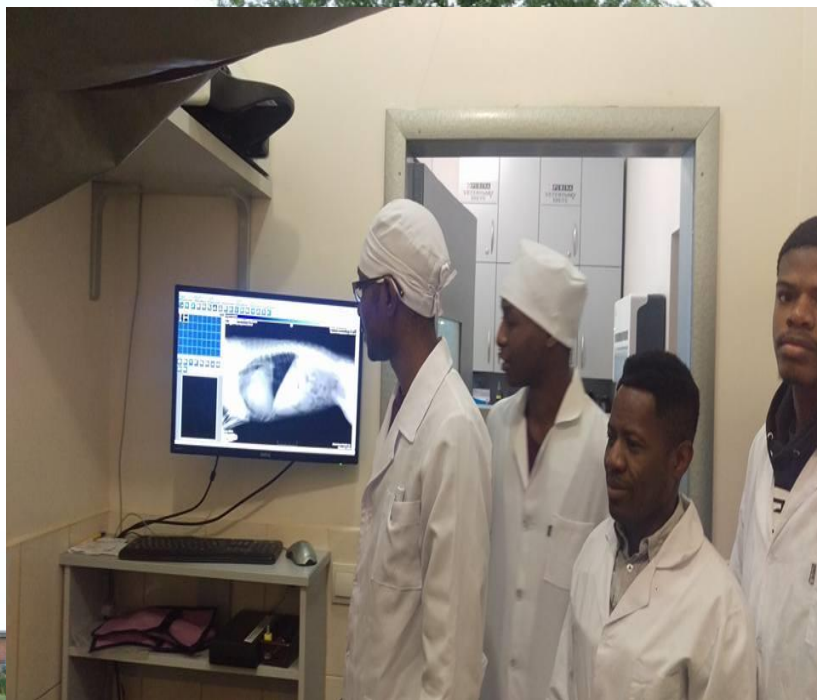






*Faculty of Veterinary Medicine*





[www.sau.sumy.ua](http://www.sau.sumy.ua)





Thank you for attention!

