



# **Students' Practical Training at the BTNAU Faculty of Veterinary Medicine**

I-st semester  
2022-2023 academic year

# Tasks of the FVM of the BNAU to ensure practical training of students

- The war has set new challenges and tasks for the faculty staff to organize practical training of students.
- **The task of the FVM today** is to create optimal conditions for ensuring the educational process during martial law. First of all, provide practical training for students to acquire first-day competencies that a specialist in veterinary medicine should have upon graduation.
- Since September 2022, the faculty has introduced a mixed form of study, which allows to compensate for some lost opportunities during distance learning.
- Thanks to our practical bases, students of the FVM of the BNAU have an opportunity to get practical skills.

# Schedule of practical classes

- In order to ensure clinical training and achieve indicators according to the Euro-accredited educational program at the Faculty of Veterinary Medicine of the BNAU, a rotation schedule was developed for groups of students of 4-5 courses under the guidance of teachers in the conditions of the veterinary clinic of the FVM and the Training and Production Center of the BNAU.
- According to the schedule, each group of students takes practical classes in clinical disciplines at the faculty for 2 weeks. The group is divided into 2 subgroups, one subgroup works for a week in the clinic, the other - in the conditions of a dairy farm. Next week, these subgroups exchange bases of practical training.
- Students who were unable to attend practical classes (were in combat zones) could join hands-on training sessions via video.

# Interdepartmental educational veterinary clinic

- The interdepartmental educational veterinary clinic did not stop its work from the first days of the war, scientific and teaching staff was rotated in the clinic.
- Students who live in the city of Bila Tserkva, stayed in the dormitory, and arrived according to the schedule, are on duty at the clinic under the supervision of the lecturer on duty in compliance with the relevant recommendations regarding the safety of the educational process during martial law.
- The clinic constantly provides medical assistance to animals of various species (productive and small pets, exotic animals) at the request of citizens. It is possible to treat animals in the conditions of an infectious disease hospital, and cooperation with volunteer organizations for the shelter of homeless animals, their detention, treatment, and sterilization has been established.

# Small animal clinic



- Registration, anamnesis, fixation, general clinical examination of companion animals.
- Acquisition of skills in blood sampling and other samples of biological material for laboratory research.
- General analysis of blood and urine.
- Analysis of the results of morphological, physicochemical, and biochemical indicators of blood and urine.
- Mastering the main vaccination schemes, methods of administering vaccines, storing vaccines, and organizing the vaccination cabinet





- Performing diagnostic and therapeutic manipulations for various animal diseases.
- Mastering the methods of administration of medicinal substances.
- Mastering the methods of ultrasound and endoscopic imaging.
- X-ray examination.

# Horse clinic



Registration, anamnesis collection, and general clinical examination of the horse.

Selection of samples of biological material for laboratory research. Blood and urine tests.

Administration of medicinal substances to a horse orally, intrarectally, intramuscularly, intravenously, and subcutaneously.

The technique of probing a horse with a nasopharyngeal probe.

Electrocardiographic research in a horse and its analysis.

X-ray and echographic imaging in a horse.

# Horse clinic



- Diagnosis of lameness and cleaning of hooves.
- X-ray and echographic imaging in a horse.
- Analgesia in horses.



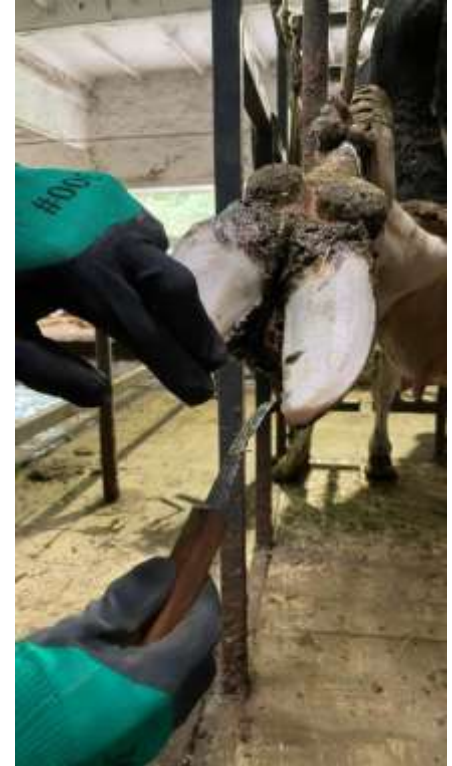
# Ruminant clinic:

(the clinic of the Faculty of Veterinary Medicine and the dairy farm of the Educational and Production Center of Bila Tserkva National Agrarian University)



- Obstetric and gynecological examination of cows.
- Examination of the mammary gland.
- Diagnosis of pregnancy.
- Sonography.
- Sampling of biological material for laboratory research. Blood and urine tests.
- Mastering the methods of diagnosing parasitosis.
- Acquisition of skills in the use of special antiparasitic drugs.





Diagnosis of lameness and cleaning of hooves.  
Organization and implementation of treatment and preventive  
measures for finger diseases.



# Superadded liability company - Dairy Farm "Terezine", Bilotserkivskyi district



Clinical study of ruminants: healthy animals, sick animals and their treatment.

Mastering the herd health assessment algorithm.

Assessment of the state of newborn calves health .

Mastering the method of probing of cattle.

Skills of administration of medication to ruminants (oral, intramuscular, intravenous, subcutaneous).

Mastering the method of selection of the rumen samples and its research.

Acquisition of practical skills of urine and blood sampling for laboratory research.

Analysis of detention conditions, feeding of cows of different technological groups, production indicators of the farm.

Familiarization with the robotic milking system.

Provision of practical help to the farm like livestock dehorning and their labelling.

# Poultry and Exotic Animal Clinic



Practical training takes place in the "Museum of Living Nature" of the "Alexandria" Zoo: studied the biosecurity system in the zoo, mastered the skills of epizootic examination of a patient, performing fixation and basic clinical examination, performed simulation exercises of epizootic investigation of infectious diseases cases, carried out deratization and disinfection measures.



# Other bases of practice

- In addition to the practical base of the faculty, individual students have the opportunity to undergo practical training and broaden their experience at agricultural enterprises and small vet clinics under the guidance of representatives from institutions and under supervision of FVM teachers (online consultations on specific patients; students present videos and photos of clinical material which is discussed; communication by telephone and using various messengers).
- Videos and photos of clinical materials, research results from clinics and farms are drawn up and registered in the form of clinical protocols in the local Vet Force electronic database and Google form.

# PRECLINICAL PRACTICE



- The veterinary service program of the zoological corner of psychological relief for wounded defenders of Ukraine was developed at the request of the military hospital.
- According to the schedule, first- and second-year students undergo a pre-clinical practice program in the discipline “Animal care and the basics of nursing” in the conditions of the “Olexandria” zoo and the “living corner” of the military hospital.

# PRECLINICAL PRACTICE



- During preclinical practice, students gain important experience in caring, feeding, assessment of the physiological state and many species behavior of domestic, wild and exotic animals - Cameroonian goats, Vietnamese pigs, Chilean squirrels, musk ducks, rabbits and decorative chickens, raccoons, guinea pigs etc.