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## REVIEW

**for the educational and scientific program in the specialty 211 - Veterinary Medicine for applicants of the third educational and scientific level (Doctor of Philosophy) at the Institute of Animal Biology, National Academy of Agrarian Sciences of Ukraine**

The current state of veterinary science requires the training of highly qualified scientists, competent not only in their area but also able to operate with information in related fields, to think at an interdisciplinary level, skilfully process a significant amount of available knowledge, effectively apply it in own research and implement obtained results into production.

The purpose of the program is to train qualified scientific specialists who are able to independently analyse the scientific literature, perform research work, interpret the obtained scientific results and prepare scientific publications, have the necessary language, analytical, consulting, and communication skills.

The structure of the educational program meets international requirements. An important aspect of the program is its diversity and interdisciplinary with a simultaneous emphasis on veterinary disciplines and the teaching of related subjects takes into account the general veterinary direction of training.

Postgraduate students will be taught the basic disciplines of general scientific training: philosophy and methodology of science, mathematical analysis and statistical processing of results, research methodology, and organization of scientific activity.

The program pays considerable attention to theoretical training in the main veterinary disciplines, in particular, provides for the study of the latest advances in theoretical and experimental clinical biochemistry, veterinary immunology and clinical physiology. A large number of elective courses are also offered, which provide knowledge in the field of applied clinical research.

Applicants for the degree will be provided with the necessary practical skills for laboratory and analytical work. In particular, applicants will gain knowledge of modern methods of laboratory biological research, the ability to model the processes and phenomena of biological systems, interpretation of veterinary research results, and their rational application. The Institute has three vivaria for different species of laboratory animals. The applied part of the training will be coordinated with the direction of postgraduate research, which will improve the quality of scientific results. Leading scientists of the Institute, who have experience in research and guidance of

graduate students, will teach the courses. It is planned to involve leading veterinary from other scientific institutions in consulting, to attract applicants to participate in competitions for scientific scholarships, awards, and grants.

In general, the program provides post-graduate students with the necessary theoretical and practical knowledge, forms the ability to the proper interpretation of theories, principles, methods, and concepts in the field of veterinary sciences, and provides research skills, ability to independently study and to further professional development. Based on the above, the educational and scientific program of the Institute of Animal Biology NAAS meets the necessary requirements and can be recommended for the training of doctors of philosophy in the specialty 211 - Veterinary Medicine.

  
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