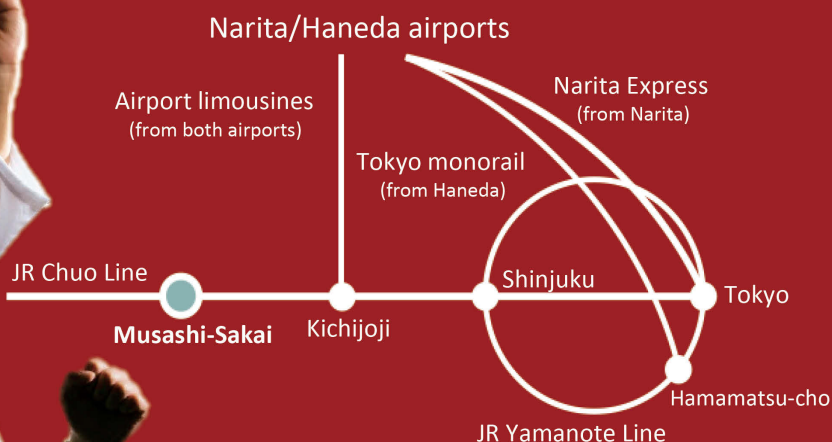


# NIPPON VETERINARY AND LIFE SCIENCE UNIVERSITY

日本獣医生命科学大学

GUIDEBOOK  
2020



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Kazumasa Shimizu (President)

# Nurturing Human Resources who Possess Love for Humanity and Animals in the Life Sciences

On October 1, in the first year of the Reiwa era, I was appointed the 10th President of Nippon Veterinary and Life Science University. Although universities are still beset with a range of challenges, Nippon Veterinary and Life Science University is committed to further defining its societal role by utilizing the strengths and characteristics of each field of specialization.

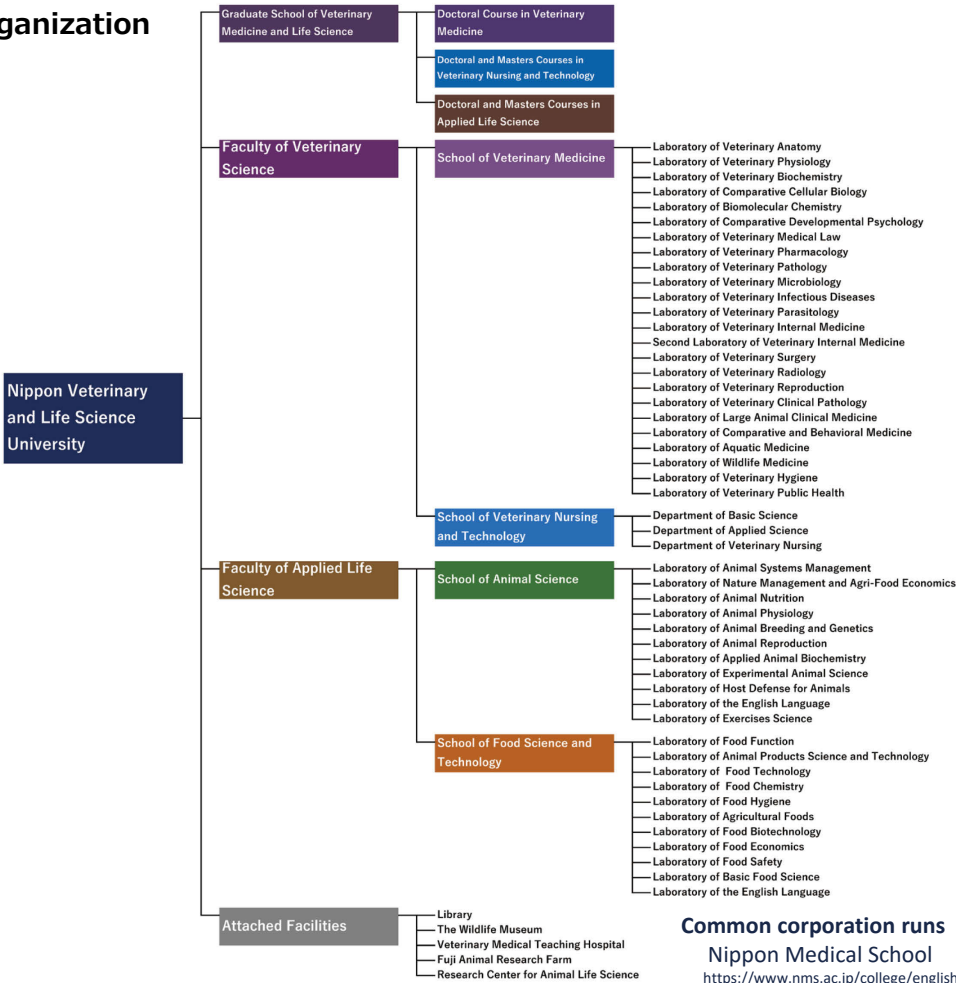
In this context, the educational philosophy of our university is to produce high-quality veterinarians, professionals, and researchers who are dedicated to and passionate about science in all of our departments, including the Faculty of Veterinary Science, the Faculty of Applied Life Science, and the Graduate School of Veterinary Medicine and Life Science. Furthermore, as a pioneer in life sciences, environmental science, and food science in the Reiwa era, our university also aims to nurture and to develop comprehensive knowledge and skills in graduates, who contribute to society as researchers, educators, and professionals.

Since 2000, we have been implementing innovative reforms and promoting the development of the educational environment. We have changed the name of the university, reorganized the departments of undergraduate studies, and constructed new buildings. We have formulated a medium to long-term plan that serves as a blueprint for the future. While continuing to achieve greater accomplishments, the university is also fostering human resources who possess a love for humanity and animals.

Taking advantage of its small scale, Nippon Veterinary and Life Science University supports academic and human growth through daily, face-to-face interactions with students. Moreover, our university aims to provide experiences outside of academics to foster human personnel in the life sciences who graduate from the university as independent students who are resourceful and can contribute to society.

In the future, I hope that students are motivated to take on relevant responsibilities and roles in the life sciences, environmental science, and food science. I hope that students, the local community, and society can learn together in the small but fun-loving learning environment at Musashi-sakai.

## Organization



Common corporation runs  
Nippon Medical School  
<https://www.nms.ac.jp/college/english.html>  
Nippon Medical School Nursing School

## Graduate Schools

### Doctoral Degree in Veterinary Medicine

This 4-year program aims to produce leading researchers and educators in basic, clinical, and applied veterinary medicine. Students engage in high-level studies on the morphology and function of normal, healthy animals, as well as investigating the pathogenesis, diagnosis, therapy, and prevention of animal diseases. Each student will specialize in one of the following four areas, which are educated by 19 professors who are experts in the subjects listed in parentheses: Veterinary Science I (genome physiology, pathological biochemistry, animal genetics, and biomolecular chemistry), Veterinary Science II (comparative pharmacology, infection microbiology), Clinical Veterinary Medicine (veterinary pathophysiology, veterinary cardio-nephrology, veterinary surgery, male reproductive science, theriogenology, veterinary radiology, and veterinary clinical pathology), or Applied Veterinary Medicine (behavioral neuroscience, aquatic medicine, wildlife medicine, veterinary hygiene, and veterinary public health).

### Master's and Doctoral Degrees in Veterinary Nursing and Technology

The Graduate School of Veterinary Nursing and Technology trains students to become leading researchers or educators in veterinary nursing and technology, or special veterinary nursing staff members with a wealth of expert knowledge and skills across various practices. The 2-year Master's program is currently offered in two areas (Clinical Science for Veterinary Nursing and Bioscience for Veterinary Technology), while the 3-year doctoral program is an advanced Veterinary Nursing and Technology course. This field consists of four areas of specialization: functional animal anatomy, environmental science and animals, practical science for veterinary nursing, and econodynamics for nursing sciences.

### Master's and Doctoral Degrees in Applied Life Science

The Graduate School of Applied Life Science offers integrated Master's and doctoral courses. The 2-year Master's program comprises five subject areas, while the 3-year doctoral program is in one subject area. The aim of these programs is to encourage talented students to acquire profound knowledge and skill in their specialized field and to nurture their creative thinking as scientists so that they become excellent professionals and researchers in the field of Animal and Food Sciences.



## Undergraduate Schools

### School of Veterinary Medicine

This school provides students with knowledge and skills associated with multiple fields of veterinary medicine, such as medical care and sanitary control of animals, defense against zoonotic diseases, and public health in human society (e.g., food hygiene and environmental management). In addition, the school trains veterinarians so that they can respond to the needs of society and adapt to areas of advanced medicine that require a high degree of specialization, such as molecular biology and genetic engineering. With a curriculum that covers everything from the basics to clinical application, this school fosters practical skills that enable precise measures to be used in situations where general veterinary skills are required.

### School of Veterinary Nursing and Technology

This school nurtures veterinary para-professionals, who are increasingly in demand with increased globalization. This includes specialists with an advanced knowledge of veterinary nursing, wildlife management and maintenance of the global environment, who can cooperate with veterinarians by advanced technology, who comprehend zoonotic diseases and can assist with animal hygiene and public health practices, who can contribute to animal-assisted activity and the production of service animals, and who can act as animal welfare officials and animal welfare promoters as determined by the Act on Welfare and Management of Animals.

### School of Animal Science

Educational programs in this school focus on three areas that will deepen the student's knowledge and advance research in the field of animal science: (i) breeding, reproduction, and nutrition; (ii) genetic engineering and biotechnology; and (iii) management and economics.

### School of Food Science and Technology

This school offers students the unique opportunity to acquire both scientific knowledge and research skills in the following food related areas: palatability, nutrition, and physiological function; processing, preservation, and safety; effective utilization of resources; and distribution system and economics. During their 4 years of education, students will gain extensive knowledge and enhance their level of creative and analytical thinking to become specialists in the field of food science.



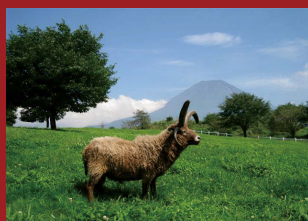
## Veterinary Medical Teaching Hospital

The three major objectives of our teaching hospital are practice, education, and research. The hospital includes departments of internal medicine, surgery, radiology, cardiology, pulmonology, gastroenterology, endocrinology, nephrology, dermatology, oncology, neurology, theriogenology, and behavioral medicine. We see approximately 10,000 cases (dogs and cats) per year, most of which are referred from private practitioners.



## Fuji Animal Research Farm

Our research farm covers 6 hectares and includes a stall barn, feedlots, stables, pasture areas, composting systems, and two lodging facilities. Dairy and beef cattle, sheep, goats, horses, and dogs are kept on the farm, and activities on the farm encompass four key principles: education, research, food production, and contribution to society.



## The Wildlife Museum

Our museum publicly exhibits the achievements of NVLU's academic pursuits and also serves as a learning institution. It is divided into two departments: the Historical Department, which exhibits the history of NVLU and veterinary medicine in Japan, and the Nature Department, which mainly highlights the issues of interactions between humans and wild animals.

