



Obihiro University  
of Agriculture and Veterinary Medicine



## Message from the university president

By advancing knowledge and expanding our approach to practical learning, we will contribute to regional and international societies by developing human resources who have skills in sustainable agriculture that can protect our food resources. (3rd Mid-term Fundamental Objective)

Kiyoshi Okuda, D. V. M., Dr.med. vet., Ph.D.

President of Obihiro University of Agriculture and Veterinary Medicine



Taking full advantage of its location in Tokachi, Hokkaido, the breadbasket of Japan, Obihiro University of Agriculture and Veterinary Medicine is the only national agricultural university in Japan that provides a world-class education in agriculture, animal husbandry, and veterinary medicine. Our mission is to advance knowledge and expand practical learning in order to contribute to regional and international societies. Our graduates have the skills and knowledge to promote sustainable agriculture and protect our food resources. Agriculture, animal husbandry and veterinary medicine are academic areas that require practical learning; therefore, information and experience must be combined in students' academic lives and rooted in the lives of everyday people. The various issues associated with agriculture, an industry that involves working with nature, and issues associated with food, the source of our health, are inevitably linked closely with global issues that modern societies face, such as climate change, food security, energy problems, and infectious diseases. Therefore, academic contributions in the field of agriculture, which sustain the agricultural industry, are necessary to solve these global issues. The curriculum of the School of Veterinary Medicine takes full advantage of our university's distinctiveness, to integrate training in agriculture and animal husbandry into veterinary medicine education. The curriculum focuses on understanding the mechanisms that control animal life and on training veterinarians who can excel not only in the treatment and prevention of infectious diseases but also in the production and management of animals. Under the slogan "from farm to table" we train our students to scientifically study life, food, and the environment so that they may develop as professionals who can be active in a wide range of agricultural and livestock fields, including food hygiene. In this global age when national borders are rapidly dissolving, we strive to train people in the field of agriculture to meet the demands of society. We will foster global human resources at Obihiro University of Agriculture and Veterinary Medicine by collaborating with regional institutes of research and development and enterprises associated with agriculture, food, and animals, as well as with international organizations responsible for food safety and those assisting developing countries. To this end, we will take action based on four core principles.

1. Develop a curriculum that is equal to the educational level of Europe and America
2. Pursue global collaborative research and educational exchanges with top universities around the world
3. Develop human resources through practical training that conforms to international standards for safety and hygiene
4. Conduct collaborative research and human resource development suited to the needs of society and business

## Chronology

- |      |  |
|------|--|
| 1941 | Obihiro Higher Technical School of Veterinary Medicine (OHTSVM) founded  |
| 1949 | Obihiro University of Agriculture and Veterinary Medicine (OUAVM) established  |
| 1967 | Graduate School established with three Master's Programs   |
| 1990 | Master's Program in Veterinary Medicine abolished  |
| 1990 | Doctoral Program in Veterinary Medicine implemented in conjunction with The United Graduate School of Veterinary Sciences, Gifu University   |
| 1994 | Doctoral Program in Agriculture implemented in conjunction with The United Graduate School of Agricultural Sciences, Iwate University  |
| 2004 | Incorporation of the University as the National University Corporation Obihiro University of Agriculture and Veterinary Medicine   |
| 2004 | Independent Master's Program in Animal and Food Hygiene implemented  |
| 2006 | Doctoral Program in Animal and Food Hygiene implemented  |
| 2008 | School of Veterinary Medicine and School of Agriculture reorganized into Course of Veterinary Medicine and Course of Agriculture   |
| 2008 | English Resource Center (ERC) established  |
| 2010 | Three Master's Programs were reorganized into Master's Program in Life Science and Agriculture, Food Science, Agro-environmental Science.  |
| 2012 | The Cooperative Veterinary Education Program is established by the Faculty of Animal Husbandry, Obihiro University of Agriculture and Veterinary Medicine and the Graduate School of Veterinary Medicine, Hokkaido University. |
| 2015 | Research Center for Global Agromedicine (GAMRC) established  |



## Graduate School

The Graduate School offers master's degrees in life science and agriculture, food science, agro-environmental science, and animal and food hygiene. Doctorates are offered in veterinary sciences, (The United Graduate School of Veterinary Sciences, Gifu University) agriculture sciences (the United Graduate School of Agricultural Sciences, Iwate University) and animal and food hygiene (Obihiro University of Agriculture and Veterinary Medicine).

The programs have been designed for students to acquire advanced knowledge and skills necessary to do research in agro-biology, on zoonotic protozoan and microbial infectious diseases, and in related fields.



### Master's in Life Science and Agriculture

This program provides opportunities for 1) basic and applied research as well as education on the physiological processes in animals and the relationship between animal husbandry and ambient environmental conditions (to improve livestock productivity), and for 2) research and education on the roles and functions of the inhabitants of the natural environment (such as animals, insects and plants), the interactions among these inhabitants, the implications these interactions have for the agro-environment, and ecosystem conservation.



### Master's in Food Science

The program provides students with advanced knowledge and skills on processing and utilizing food, with a focus on the secondary and tertiary functions of food, and on food functionality. Students gain expertise in food science using basic knowledge of organic chemistry, biochemistry, microbiology, and molecular biology, so that they are able to apply bioprocesses to agricultural and livestock products and to research the effects of various food constituents on living organisms.



### Master's in Agro-environmental Science

This program is committed to the development of individuals who will be able 1) to work for the qualitative and quantitative improvement of plant production based on their expertise in plant physiology, ecology, genetics, and soil science; 2) to improve food production by using their expertise in mechanical/ biochemical engineering, information technology, soil and water engineering; and 3) to develop and sustain the management and economic efficiency of food production by using their knowledge of economics and business in relation to food production.



### Master's and Doctorate in Animal and Food Hygiene

The goal of the programs is to train individuals with specialized knowledge and practical skills to help solve problems related to food safety. These individuals will be creative, with skills in cutting-edge technology, which will make them internationally competitive researchers and academics with proven educational research skills. These highly professional engineers will be capable of working in a variety of areas in society and can contribute to social prosperity by assuring the safety of meat and milk in the international community.



# International Exchanges

Total 1246

International students : 581

JICA participants : 665



## International Activities

The mission of Obihiro University of Agriculture and Veterinary Medicine (OUAVM) is to develop a unique style of education by combining practical science with creative intellectual research to contribute to local and international communities through training of skilled individuals who can support food production and people's everyday lives. OUAVM graduates and trainees are ready to support developing countries by playing global roles in the fields of veterinary medicine, agriculture, and livestock production, by ensuring food safety and the improvement of food productivity.

### Promoting international collaborative research

To promote international collaborative research, we established the Research Center for Global Agromedicine (GAMRC) in April 2015. The aims of GAMRC are to promote international collaborative research with Cornell University and University of Wisconsin-Madison and to learn from their advanced educational programs.

### Producing people for international cooperation

By giving students opportunities to see firsthand actual agricultural and livestock production sites in developing countries, OUAVM helps them to decide on careers as international specialists in veterinary medicine, agriculture, and animal husbandry.

Advanced Model of International Education (2014-)

Special admissions for students with experience in international aid projects (2006-)

Project for strengthening small dairy farmers in Itapua, Paraguay (2012-2018)

### Accepting trainees

In cooperation with JICA, OUAVM accepts researchers and engineers from developing countries and provides them with training courses to improve their knowledge and skills in veterinary medicine, agriculture, and animal husbandry. As of May 2016, OUAVM has accepted 665 trainees from 89 countries (see map).

(Training courses for 2016)

- Rural Development by Preparation of Value Chain (Value addition to Agricultural and Livestock Products)
- Advanced Training Course for Protozoan and Food-Borne Diseases
- Cattle Management for Milk and Meat Production Using Regional Resources
- Farmer-led Extension Method ~Curriculum Development for Motivating Farmers~

### Dispatching experts

In order to share results of our creative and interdisciplinary practical science research and to help create sustainable progress of global communities, OUAVM participates in JICA projects such as the "Technical Cooperation Project" and "Grassroots Technical Cooperation", and dispatches our faculty to developing countries as JICA experts. As of March 2016, 259 faculty members have worked as JICA experts.

### Technical cooperation projects

- The project for Epidemiological Studies on Animal Protozoan Diseases in Mongolia and the Development of Effective Diagnostics Measure. (Mongolia) 2014-2019
- Technical cooperation for Enhancement of Agricultural Training Center and Support for human Resource Development For Promotion of Dairy Farming in The Eastern Region of Paraguay (2016-2020)

## International Academic Exchange Agreements

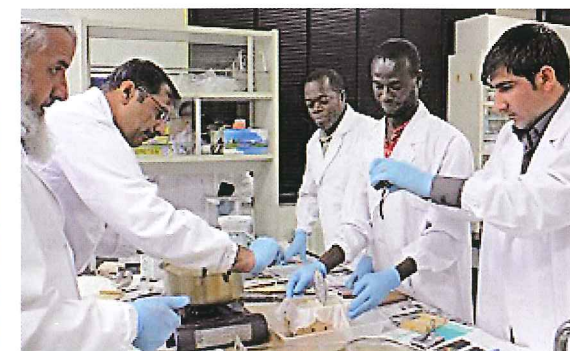
<b>Canada</b>	University of Alberta (1985.8.1)
<b>China</b>	Xinjiang Agricultural University (1999.7.30)
	Hei Long Jiang Provincial Academy of Agricultural Sciences (2010.8.14)
<b>Germany</b>	Ludwig-Maximilians-Universität München (1994.7.15)
	University of Veterinary Medicine Hannover Foundation (2007.10.18)
<b>Indonesia</b>	Bogor Agricultural University (2009.12.21)
<b>Korea</b>	Chungnam National University College of Veterinary Medicine (1993.1.11)
	Seoul National University, College of Agriculture & Life Science, College of Veterinary Medicine (1996.10.21)
	Konkuk University (1996.12.4)
<b>Mongolia</b>	Kangwon National University (1997.8.28)
	Mongolian University of Life Science (2003.10.31)
<b>Paraguay</b>	University of Asuncion (1986.4.16)
<b>Philippines</b>	University of the Philippines Los Baños Campus (1991.9.27)
	De La Salle University and De La Salle Araneta University (2005.10.5)
<b>Sri Lanka</b>	University of Peradeniya, Faculty of Agriculture (1996.11.7)
<b>Switzerland</b>	Vetsuisse Faculty, Universität Bern (2005.6.15)
<b>Thailand</b>	Mahidol University (2005.7.14)
	Chiang Mai University (2012.12.19)
<b>Taiwan</b>	National Ping Tung University of Science & Technology (2010.8.24)
<b>U.S.A.</b>	Cornell University, College of Veterinary Medicine (2013.12.2)
	University of Wisconsin, College of Agriculture & Life Sciences (2014.9.25)
<b>Viet Nam</b>	Hue University (2005.1.12)

### Department-level Academic Exchange Agreement with the Research Center for Protozoan Diseases

<b>China</b>	Department of Veterinary Medicine, Agricultural College, YANBIAN University (2011.9.30)
	Shanghai Veterinary Research Institute, Chinese Academy of Agricultural Sciences (2010.9.25)
<b>Philippines</b>	College of Public Health, University of the Philippines Manila Campus (2008.11.5)

### Department-level Academic Exchange Agreement with the Research Center for Animal Hygiene and Food Safety

<b>Viet Nam</b>	National Institute of Veterinary Research, Ministry of Agriculture and Rural Development (2008.3.26)
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## National Research Center for Protozoan Diseases

Specializing in the comprehensive study of protozoan diseases to scientifically contribute to the health and welfare of all humankind, the National Research Center for Protozoan Diseases (NRCPD) assumes a significant role in the control of zoonotic protozoan diseases and the securing of protein resources through improvements in animal productivity. The World Organization for Animal Health (OIE) accredited the NRCPD as a reference laboratory for surra (*Trypanosoma evansi* infection), equine piroplasmiasis and *Babesia bovis* infection in 2007, and as an OIE-collaborating center for surveillance and control of animal protozoan diseases in 2008.



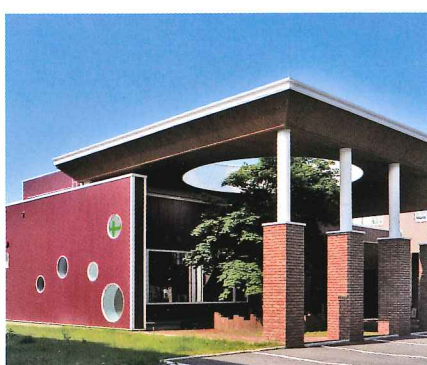
## Center for Regional Collaboration in Research and Education

Based on requests for technical support from other research institutes and private-sector institutions, the Center for Regional Collaboration in Research and Education (CRCRE) coordinates industry-academia-government collaborations by funding research and promoting joint research. The CRCRE is also active in liaising among universities, research and educational institutes, and government bodies. The CRCRE contributes to the local community by providing educational support to schools and public lectures.



## Field Center of Animal Science and Agriculture

The dairy farm of the Field Center of Animal Science and Agriculture is a place for hands-on education and research related to agriculture, animal husbandry, clinical veterinary medicine, and food safety. About 200 dairy cattle are kept, and the milk from the herd, which is processed at a campus dairy with an internationally certified food safety system (FSSC22000), is processed into fresh milk and ice cream for sale. A variety of information and opportunities for practical learning are provided to the regional community.



## Veterinary Medical Center

The Veterinary Medical Center provides medical care to animals on an outpatient basis, as well as to animals kept at the Field Center of Animal Science and Agriculture. It is a teaching hospital where undergraduate and graduate students make diagnoses and give medical treatment for the purpose of clinical training and academic research.



## Large Animal Hospital and Clinical Research Facilities

The Large Animal Hospital and Clinical Research Building is equipped with CT and MRI machines and other medical devices, and it has an operating room and a treatment room for clinical research on large animals. The hospital is the center for education on advanced veterinary treatment, as well as for basic education on veterinary treatment for large animals. The Diagnostic Center for Animal Health and Food Safety, the Pathological Diagnostic Building, the Large Animal Pavilion, and other facilities were designed to ensure the smooth flow between clinical, pathological, and toxicity examinations. Our aim is to effectively utilize these facilities to improve the quality of veterinary education and to help students acquire the necessary skills to be leaders in the field of veterinary medicine.



## Organization

### Research Departments

Department of Animal and Food Hygiene

Department of Applied Veterinary Medicine

Department of Basic Veterinary Medicine

Department of Life Science and Agriculture

Department of Food Science

Department of Agro-environmental Science

Department of Human Science

Research Center for Global Agromedicine

National Research Center for Protozoan Diseases

Center for Regional Collaboration in Research and Education

Field Center of Animal Science and Agriculture

Veterinary Medical Center

Diagnostic Center for Animal Health and Food Safety

University Library

Health Care Administration Center

University Educational Affairs Center

English Resource Center (ERC)

Information Processing Center

## EDUCATION

### Graduate Schools

Graduate School of Animal Husbandry

Master's Program in Life Science and Agriculture

Master's Program in Food Science

Master's Program in Agro-environmental Science

Master's Program in Animal and Food Hygiene

Doctoral Program in Animal and Food Hygiene

The United Graduate School of Veterinary Sciences, Gifu University

Doctoral Program

The United Graduate School of Agricultural Sciences, Iwate University

Doctoral Program

Schools of Agriculture and Animal Science

School of Cooperative Veterinary Medicine

Veterinary Medicine Program

School of Agriculture

Animal Production Program

Ecology and Environmental Science Program

Food Science Program

Agricultural Economics Program

Agricultural Engineering Program

Plant Production Program

Practical Agriculture and Animal Husbandry Program

## Faculty and Staff

Members of the Board	3(3)
Professors	63
Associate Professors	34
Senior Assistant Professors	9
Assistant Professors	25
Administrative Staff	77
Technical Staff	16
Total	227

( ) Part-time

## Number of Students

Undergraduate School	1,178
Graduate School	140
Two-Year Course	34
Total	1,352



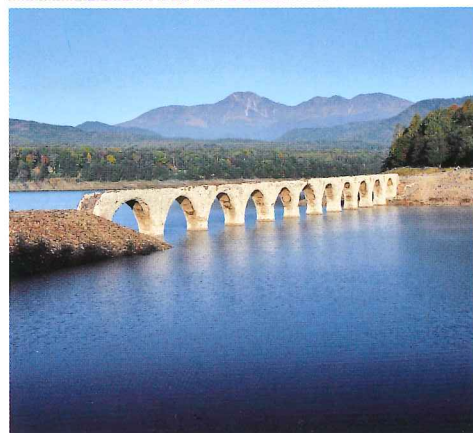
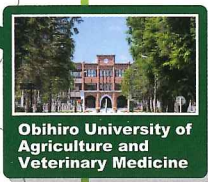
# Location Map

- Haneda Airport  
 ↳ Tokachi Obihiro Airport
- Narita Airport  
 ↳ New Chitose Airport 〰 Obihiro
- Kansai Airport  
 ↳ New Chitose Airport 〰 Obihiro



# Access Map

- From Obihiro Station / About 20 min. (7 km) by car
- From Tokachi-Obihiro Airport / About 25 min. (21 km) by car



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