

Animal Science and Agriculture
Graduate School of Animal and Veterinary Sciences and Agriculture
Obihiro University of Agriculture and Veterinary Medicine

The mission of the Graduate School is to make a contribution to the local and the global communities through the development of practical science through intellectual creation and practice, and by fostering the professionals who will support food production and people's lives. Under such philosophy and purpose, we provide the following education policies:

1. Education Policy of the Master's Program of Animal Science and Agriculture

Admission Policy

The Master's Program of Animal Science and Agriculture at the Graduate School of Animal and Veterinary Science and Agriculture aims to train persons who have strong issue-resolving skills and a wide range of knowledge on animal science and agriculture, specifically in food safety. We implement written examinations on specialized areas and languages, and interviews to evaluate examinees' research plans and abilities in order to recruit students:

1. Who can act with an international perspective and aim to be professionals with highly advanced skills in animal science and agriculture,
2. Who have acquired basic knowledge and skills at the level of undergraduate studies related to the specific topics of the respective Specialties,
3. Who have acquired basic knowledge and skills that enable them to create research plans for the respective Specialties, and
4. Who are extremely interested in issues of food safety, productivity improvement and environmental conservation, and tackle these issues from a perspective of fusing agriculture, animal science, and veterinary science.

Diploma Policy

In the Master's Program of Animal Science and Agriculture, the degree shall be conferred on persons who have taken the courses set up in the curriculum and obtained the required credits to complete the program, who have obtained advanced research skills and wide perspectives that enable them to resolve issues of food safety and other issues in agricultural and livestock science using their up-to-date knowledge and skills in animal science and agriculture such as veterinary life science, animal production, ecology and environmental science, food science, agricultural economics, engineering for agriculture, plant production science, and interdisciplinary fields including these, and who have acquired the following skills:

1. Ethics: Ethics and morals correspondent to social standards and commensurate with a specialist
2. Abilities to identify and resolve issues on their own in life, food, and environmental science while keeping globalization in mind, and resolve them.
3. Communication skills: Presentation skills necessary to explain their process of thinking and making judgments with a global viewpoint.
4. Technical knowledge and skills: knowledge and skills on respective Specialties in this master's program commensurate with advanced professionals, or basic skills commensurate with researchers on issues in respective Specialties, from the perspective of fusing agriculture, animal science, and veterinary medicine.

Curriculum Policy

In order to have the students acquire the knowledge and skills specified in the diploma policy of the Master's Program of Animal Science and Agriculture, we provide education paying attention to the following points:

1. Developing ethics: we offer courses to develop ethics using e-learning.
2. Developing abilities to identify and resolve issues: we offer courses using active learning to brush up logical thinking and develop abilities to identify and resolve issues on securing food safety, improving productivity, and conserving the environment.
3. Developing practical skills with a global viewpoint: we offer courses to improve skills in making presentations and writing in English so that students acquire the English skills necessary to be globally active. We also offer internships, training abroad, and research presentations, where students can practice the expression and communication skills they have acquired.

4. Forming a rich culture and a broad academic foundation: we offer common general courses, which enable students to acquire a rich culture, and special core courses, which enable them to advance their specialty. At the same time, special courses of other Specialties are offered as elective courses so that students can acquire highly specialized interdisciplinary knowledge.

2. Educational Policies of Respective Specialties

Veterinary Life Science

Persons We Train

We accept students who have completed an undergraduate program other than veterinary medicine, and provide them with knowledge on basic veterinary life science, animal pathobiology, studies of animal infectious diseases, studies of etiology and control of animal diseases, and animal clinical science. We train advanced professionals who can offer a variety of knowledge about animals to society.

Admission Policy

We want students:

1. Who have acquired advanced knowledge, skills, and research abilities on basic veterinary life science, animal pathology, studies of animal infectious diseases, studies of etiology control, and animal clinical science, and who aim to contribute to society from a viewpoint of veterinary life science,
2. Who have acquired undergraduate-level basic knowledge and skills on basic biology and agriculture and animal science,
3. Who can set up research plans on their own in the field of veterinary life science based on basic knowledge and skills in basic biology, and
4. Who can use knowledge and information to logically work through issues in basic biology and agriculture and animal science, and explain the results.

Diploma Policy

The degree shall be conferred on persons who have the following traits and abilities:

1. Ethics: ethics and morals based on knowledge of veterinary life science and deep understanding about social activities
2. Issue-resolving skills: abilities to identify issues on their own in veterinary life science, and resolve them.
3. Good communication skills: presentation and communication skills necessary to precisely express their thoughts and opinions, and exchange opinions in veterinary life science fields while respecting others' thoughts and opinions.
4. Technical knowledge and skills: a wide range of technical knowledge of veterinary life science including basic veterinary life science, animal pathobiology, studies of animal infectious diseases, studies of etiology and control of animal diseases, and animal clinical science, and ability to apply and develop these skills and knowledge in society, based on their knowledge of basic biology, and agriculture and animal science.

Curriculum Policy

We offer courses to learn a variety of specialties related to veterinary life science such as basic studies, pathobiology, infectious diseases, etiology and control of animal diseases, and animal clinical science of companion, industrial, experimental, and wild animals.

Animal Production

Persons We Train

We train advanced professionals who have acquired broad and systematic knowledge and skills in biological functions, breeding, reproduction, nutrition, and management of domestic and other animals, and who can flexibly deal with various issues in livestock and life sciences. We also train researchers who have acquired basic skills that enable them to study issues in the fields of livestock and life sciences.

Admission Policy

We want students:

1. Who have acquired advanced knowledge, skills and research abilities on domestic animals and their production management, and who intend to contribute to society using their knowledge and skills of life science and livestock science,
2. Who have acquired undergraduate-level basic knowledge and skills in animal production,
3. Who have acquired advanced knowledge, skills and research abilities in livestock and its production management,

- and who can set up research plans on their own in the field of animal production, and
4. Who can use knowledge and information to think logically about issues on domestic animals and their production management and explain the results.

Diploma Policy

The degree shall be conferred on persons who have the following traits and abilities:

1. Ethics: ethics and morals based on knowledge of animal production and deep understanding of social activities
2. Issue-resolving skills: abilities to identify issues on their own in livestock and life sciences, and resolve them.
3. Communication skills: presentation and communication skills necessary to precisely express their thoughts and opinions, and exchange opinions in the field of animal production while respecting others' thoughts and opinions
4. Technical knowledge and skills: understanding of the physiology and behavior of domestic animals, and possession of systematic technical knowledge and skills from the basics to applications that lead to genetic improvement and improvement in productivity.

Curriculum Policy

We offer courses in which students can gain an understanding of the physiology and behavior of domestic animals not only from a conventional viewpoint of livestock production but also with considerations of animal welfare and ecosystem, and in which students can acquire up-to-date knowledge and skills from basics to application that lead to genetic improvement and improvement in productivity.

Ecology and Environmental Science

Persons We Train

We train advanced professionals who have acquired broad and systematic knowledge and skills in agricultural and livestock environment and the natural environment surrounding it, and who can flexibly deal with various issues about conservation and management and utilization of the environment. We also train researchers who have acquired basic skills that enable them to study issues in the field of environmental science.

Admission Policy

We want students:

1. Who have acquired broad knowledge, skills and research abilities in conservation and management of agricultural and livestock environments, and natural environments, and who intend to contribute to society using their knowledge and skills in ecological and environmental science,
2. Who have acquired undergraduate-level basic knowledge and skills in ecology and environmental science,
3. Who have acquired knowledge, skills and research abilities in conservation and management of agricultural and livestock environments, and natural environments, and who can set up research plans on their own in the field of ecology and environmental science, and
4. Who can use knowledge and information to think logically about issues on conservation and management of agricultural and livestock environments, and natural environments, and explain the results.

Diploma Policy

The degree shall be conferred on persons who have the following traits and abilities:

1. Ethics: ethics and morals based on knowledge on ecology and environmental science and deep understanding about social activities
2. Issue-resolving skills: abilities to identify issues on their own on ecology and environmental science, and resolve them.
3. Communication skills: presentation and communication skills necessary to precisely express their thoughts and opinions, and exchange opinions in the field of ecology and environmental science while respecting others' thoughts and opinions
4. Technical knowledge and skills: comprehensive and systematic knowledge and skills in roles, functions, and interactions of various organisms that constitute environment, and in conservation, management, and utilization of ecosystems.

Curriculum Policy

We offer courses in which students can, from the perspective of conservation to that of utilization of agricultural and livestock environments, and of the natural environments surrounding them, acquire up-to-date knowledge of the roles, functions, interactions, and relations with agriculture and livestock industry, gain up-to-date knowledge of the animals, plants, insects and microorganisms that constitute the environment, and attain up-to-date knowledge of conservation of ecosystems.

Food Science

Persons We Train

By providing broad and up-to-date knowledge and techniques for production and processing of foods made from agricultural and livestock ingredients, and about the functionality and safety of such foods, and by conducting professional education through practice and research, we train advanced professionals who can play an active role in food industry and bio industry, and also train researchers who have acquired basic skills that enable them to study issues in the field of food science.

Admission Policy

We want students:

1. Who have acquired advanced knowledge, skills, and research abilities in production and processing of foods made from agricultural and livestock ingredients, and in the functionality and safety of such foods, and who intend to contribute to society from a viewpoint of food science,
2. Who have acquired undergraduate-level basic knowledge and skills in food science,
3. Who can set up research plans on their own in the field of food science based on advanced techniques for processing and utilizing agricultural and livestock products, and on knowledge about various functions that foods have, and
4. Who can use knowledge and information to think logically about issues in food production and processing, and in their functionality and safety, and explain the results.

Diploma Policy

The degree shall be conferred on persons who have the following traits and abilities:

1. Ethics: ethics and morals based on knowledge on food science and deep understanding about social activities
2. Issue-resolving skills: abilities to identify issues on their own in food science, and resolve them
3. Communication skills: presentation and communication skills necessary to precisely express their thoughts and opinions, and exchange opinions in food science while respecting others' thoughts and opinions
4. Technical knowledge and skills: advanced knowledge, skills and application for production and processing of foods made from agricultural and livestock ingredients, and about the functionality and safety of such foods

Curriculum Policy

We offer courses to learn broad and up-to-date knowledge and skills for production and processing of foods made from agricultural and livestock ingredients, and about the functionality and safety of such foods, from the molecular level to the level of industrial production.

Agricultural Economics

Persons We Train

By conducting professional education that enables a broad perspective to be taken from a social scientific viewpoint centered on agricultural economy, we train advanced professionals who can offer practical measures to resolve specific issues in food systems, and also train researchers who have acquired basic skills that enable them to study issues in the field of agricultural economics.

Admission Policy

We want students:

1. Who have acquired broad and advanced knowledge and skills in agricultural economics and business related to food production, distribution and consumption, and who intend to contribute to society from a viewpoint of agricultural economics,
2. Who have acquired undergraduate-level basic knowledge and skills in agricultural economics,
3. Who can set up research plans on their own in the field of agricultural economics based on basic knowledge and skills in agricultural economics and business related to food production, distribution and consumption, and
4. Who can use knowledge and information to think logically about issues on agricultural economics and business, and explain the results.

Diploma Policy

The degree shall be conferred on persons who have the following traits and abilities:

1. Ethics: ethics and morals based on knowledge on agricultural economics and deep understanding about social activities
2. Issue-resolving skills: abilities to identify issues on their own in agricultural economics, and resolve them.
3. Communication skills: presentation and communication skills necessary to precisely express their thoughts and

- opinions, and exchange opinions in the field of agricultural economics while respecting others' thoughts and opinions
4. Technical knowledge and skills: advanced knowledge and skills in agricultural economy in order to utilize local resources and support the improvement of food productivity and food safety

Curriculum Policy

We offer courses in which students can acquire knowledge and skills in the field of economics and business related to food production, distribution and consumption, and sustainable recycling.

Engineering for Agriculture

Persons We Train

By conducting professional education on systematized techniques that make advanced agricultural production techniques compatible with environmental conservation based on theories and practices of engineering for agriculture, we train advanced professionals who can play an active role in the fields of engineering for agriculture and rural communities, and also train researchers who have acquired basic skills that enable them to study issues in the fields of engineering for agriculture and rural communities.

Admission Policy

We want students:

1. Who have acquired knowledge of regional environmental conservation and of production technique improvement that goes together with the environment, based on the background of engineering for agriculture, and who intend to contribute to society from a viewpoint of engineering for agriculture,
2. Who have acquired undergraduate-level basic knowledge and skills in engineering for agriculture,
3. Who can set up research plans on their own in the field of engineering for agriculture based on basic knowledge and skills in production technique improvement and regional environmental conservation, and
4. Who can use their background of engineering for agriculture to think logically about issues in production techniques and regional environment, and explain the results.

Diploma Policy

The degree shall be conferred on persons who have the following traits and abilities:

1. Ethics: ethics and morals based on knowledge of engineering for agriculture and deep understanding about social activities
2. Issue-resolving skills: abilities to identify issues on their own in engineering for agriculture and resolve them.
3. Communication skills: presentation and communication skills necessary to precisely express their thoughts and opinions, and exchange opinions in the field of engineering for agriculture while respecting others' thoughts and opinions.
4. Technical knowledge and skills: advanced knowledge and skills in production techniques and environmental control in order to support the improvement of food productivity utilizing local resources.

Curriculum Policy

We offer courses in which students can acquire advanced knowledge and skills in the fields related to the improvement of the food production environment by mechanical and biological approaches and approaches using civil engineering techniques, and sustainable recycling and use of regional resources.

Plant Production Science

Persons We Train

By conducting professional education from the basics of laboratory work to fieldwork demonstration on soil management, which supports crop production, breeding and cultivation of field crops and feed crops, pest control, and utilization of grassland, we train advanced professionals who engage in making the foundation for agricultural and livestock industries, and also train researchers who have acquired basic skills that enable them to study issues in the fields of plant production science.

Admission Policy

We want students:

1. Who have acquired advanced knowledge, skills, and research abilities in quantitative and qualitative improvement of plant production based on advanced knowledge of plant physiology, biology and heredity as well as soil, and who intend to contribute to society from a viewpoint of plant production science,
2. Who have acquired undergraduate-level basic knowledge and skills in plant production science,

3. Who can set up research plans on their own in the field of plant production science based on knowledge and skills for improving and producing crop plants, and knowledge and skills in soils and pests, and
4. Who can use knowledge and information to think logically about issues on quantitative and qualitative improvement of plant production, and explain the results.

Diploma Policy

The degree shall be conferred on persons who have the following traits and abilities:

1. Ethics: ethics and morals based on knowledge of plant production science and deep understanding about social activities
2. Issue resolving skills: abilities to identify issues on their own on plant production science, and resolve them
3. Communication skills: presentation and communication skills necessary to precisely express their thoughts and opinions, and exchange opinions in the field of plant production science while respecting others' thoughts and opinions
4. Technical knowledge and skills: advanced knowledge and skills in food production principles and production techniques in order to support the improvement of food productivity utilizing local resources.

Curriculum Policy

We offer courses in which students can acquire advanced knowledge and skills in the field related to quantitative and qualitative improvement of plant production based on advanced knowledge of plant physiology, biology and heredity as well as soil, and sustainable recycling and use of regional resources.

3. Graduate Degree Program of Animal and Food Hygiene

The Graduate Degree Program of Animal and Food Hygiene has been established to train persons who can deal with acquisition and maintenance of the international safety and hygienic standards, which businesses are demanded to meet, as distribution of agricultural products and food beyond nation boundaries is expanding. The program has been developed by making the highly professional education on securing food safety into a graduate degree program that students of any Specialty can take.

The program trains animal and food hygiene specialists with abilities for practice and application, by conducting professional education on management systems for safety and hygiene of agricultural products and other foods in a practical environment that meets international standards.

Students who take this program must take the required and elective courses of this specific program, and the *Studies on Issues of Animal and Food Hygiene* (internship) or the *Special Studies II* of the Specialty they belong to, in addition to the required courses and elective courses common in the master's program.

Note 1: In *Studies on Issues of Animal and Food Hygiene* (4 credits), students study issues through internship at a company for six weeks or longer. Students in this program who write a master's thesis have to take the *Special Studies II* (4 credits) of the Specialty they belong to.

Note 2: Students in this program are to choose the Master's Degree in Agriculture or the Master's Degree in Animal and Food Hygiene after they have completed their first year.

Graduate Degree Program of Animal and Food Hygiene

Persons We Train

By conducting practical and systematic education for HACCP system specialists, and for developing new processing technology and products aiming to create sixth industry businesses, we help students to acquire knowledge and skills in food safety management systems, and by cooperating with companies, we train persons who can apply their knowledge and skills to actual workplaces.

Diploma Policy

The degree shall be conferred on persons who have acquired advanced and comprehensive knowledge and skills in hygienic management and quality assurance of livestock products and other foods under international safety and hygienic standards, and superior abilities in their practice and application.

Curriculum Policy

We arrange classroom courses in which students learn knowledge and skills in food safety management systems under international hygienic standards in practical and systematic manners. Also, cooperating with companies, we arrange practicums in which students learn to apply their knowledge and skills to actual worksites.

4. Completion of programs and awarding degrees

Students are awarded a degree according to their Specialties after they completed the program, i.e., those who have been enrolled in the Master’s Program of Animal Science and Agriculture, Graduate School of Animal and Veterinary Science and Agriculture of our university for two years or longer, and have earned the required credits (30 credits for regular Specialties, 32 credits for the Graduate Degree Program of Animal and Food Hygiene), who received the necessary research instruction, and passed the examination of their master’s thesis or result report in addition to the final examinations of the relevant courses. However, for those who achieved excellent results, the period enrolled in the graduate school could be shortened to one year.

Program	Specialty	Degree
Animal Science and Agriculture	Veterinary Life Science	Master of Veterinary Life Science, or Master of Animal and Food Hygiene*
	Animal Production	Master of Agriculture, or Master of Animal and Food Hygiene*
	Ecology and Environmental Science	
	Food Science	
	Agricultural Economics	
	Engineering for Agriculture	
	Plant Production Science	

*Those who completed the Graduate Degree Program of Animal and Food Hygiene can choose Master of Animal and Food Hygiene.

5. Admission of Mature Students

The Master’s Program of Animal Science and Agriculture, Graduate School of Animal and Veterinary Science and Agriculture of our university has a special selection for mature applicants to admit students who have completed undergraduate studies, have worked at a company, public office or educational institute, and want to study in a graduate school to acquire more advanced academic knowledge and skills. In the special selection for mature applicants, instead of the examination of academic ability implemented in the general admission, the applicants’ experiences and achievements in society, and enthusiasm for research will be examined by the interview and document screening.

Before application, the applicants have to consult with their prospective supervisors on the contents of their research and what courses they will take.

6. Special long term limit

This system allows students who have a job or other special considerations to complete their degree within an agreed-upon time (maximum of 4 years) beyond the standard term limit and still pay the same fee as those students who complete their degrees in the standard amount of time.

In principle, those who want to use this system have to apply for it at the time they enroll after consulting with their prospective supervisors.

7. Supervisors

Veterinary Life Science

Name	Position	Field of Research	Contents
Igarashi Makoto	Professor	Diseases Control	Parasitism of protozoan parasites
Ishii Toshiaki	Professor	Neuropharmacology	Molecular basis of physiological and pathological manifestations in the central nervous system
Ishikawa Toru	Professor	Cell Physiology	Cellular regulatory mechanisms and structure-function relationships of ion channels and transporters involved in epithelial transport
Inoue Noboru	Professor	Veterinary Parasitic Protozoology	1) Development of diagnostic, therapeutic, and preventive methods for animal trypanosomoses. 2) Epidemiological studies for animal trypanosomoses. 3) Research on the mechanisms of cell differentiation in African trypanosome in progress of its life cycle.
Okamura Masashi	Professor	Veterinary Bacteriology	1) Control of bacterial infection from farm to table 2) Mechanisms of host specificity and tissue tropism in bacterial pathogens
△Ogawa Haruko	Professor	Veterinary Epizootiology	Study on animal viral diseases
Kawazu Shinichiro	Professor	Preventive Medicine for Parasitic Diseases	Development of novel vaccines, therapeutic and diagnostic approaches based on functional analysis of parasitic genome and proteins
△XUAN Xuenan	Professor	Host Defense	Studies on analysis of host defense immunity and development of recombinant vaccines against protozoan parasite infections
Kobayashi Yoshiyasu	Professor	Diagnostic Pathology	Pathogenesis and diagnosis of animal diseases
Sasaki Motoki	Professor	Veterinary Anatomy	Functional morphology in vertebrates
○Suzuki Hiroshi	Professor	Functional Genomics	Analysis of gene function <i>in vivo</i> by transgenic technology and development of reproductive bio-technology
Nambo Yasuo	Professor	Equine Reproduction	Studies on equine reproduction, reproductive physiology and assisted reproductive technology in horses
Nishikawa Yoshifumi	Professor	Infection Immunity	Study on onset mechanism of pathogenic protozoan diseases
Matsui Motozumi	Professor	Diagnosis and Therapeutics for Reproductive Diseases	Pathophysiology of ovarian and uterine disorder in cow reproduction
Yokoyama Naoaki	Professor	Diagnosis for Protozoan Diseases	Epidemiological survey of protozoan disease in domestic animals and development of its control strategy
Aoki Takahiro	Associate Professor	Preventive Veterinary Medicine	Development of methods for prevention and early detection of diseases associated with livestock production
Asada Masahito	Associate Professor	Infection Control	1) Study on the mechanism of parasitism 2) Epidemiological survey of protozoan disease
Itoh Megumi	Associate Professor	Large Animal Clinical Sciences	Prevention of diseases in cows and calves
Uemura Akiko	Associate Professor	Small Animal Surgery Cardiology	1) Soft tissue surgery for dogs and cats 2) Cardiology for dogs and cats 3) Research on artificial organs and biomaterials
Kamikawa Akihiro	Associate Professor	Physiology	Study on mechanisms of mammary gland function

Kayano Mitsunori	Associate Professor	Biostatistics	Statistics in medicine and agriculture and its applications
Kubota Akira	Associate Professor	Environmental Toxicology	Study on biological effects and mode of action of anthropogenic chemicals
Umemiya-Shirafuji Rika	Associate Professor	Tick Biology	1) Biology of ticks 2) Transmission mechanisms of protozoan parasites in ticks
Kondoh Daisuke	Associate Professor	Veterinary Anatomy	Morphological and histological studies of vertebrate olfactory organ and brain
Toyotome Takahito	Associate Professor	Veterinary Mycology	1) Mycosis, 2) Mycotoxicosis, 3) Food mycology
Haneda Shingo	Associate Professor	Diagnosis and Therapeutics for Reproductive Diseases	Diagnosis and therapeutics of reproductive disorder in cows. Physiology of pregnancy in mares.
Fukumoto Shinya	Associate Professor	Vector Biology	Infection mechanism of pathogens to the vector invertebrate
Matsumoto Kotaro	Associate Professor	Veterinary Internal Medicine	Diagnosis and treatment of infectious diseases of animals
Muroi Yoshikage	Associate Professor	Neuropharmacology	Study on the central nervous system for controlling instinct in mammals
Morita Yasuhiro	Associate Professor	Farm Animal Clinical Science	1) Microbiome in livestock 2) Early disease detection using remote sensing in farm animals
Yamasaki Eiki	Associate Professor	Food Hygienics	Management and establishment of detection methods for food-poisoning bacteria.
Watanabe Kenichi	Associate Professor	Diagnostic Pathology	Veterinary pathology diagnostic services. Molecular mechanisms of protein-misfolding diseases.
Suganuma Keisuke	Assistant Professor	Protozoan disease	Development for control strategies for animal trypanosomoses
Takeda Yohei	Assistant Professor	Infectious Disease	Study on control of viral infectious diseases

The Professor marked with ○ will retire on March 31, 2024. If you would like to be supervised by him/her, please consult in advance about research instruction.

The Professor marked with △ will retire on March 31, 2025. If you would like to be supervised by him/her, please consult in advance about research instruction.

Animal Production

Name	Position	Field of Research	Contents
Kuchida Keigo	Professor	Animal Breeding	Statistical genetics for beef cattle based on objective measurements
Tetsuka Masafumi	Professor	Reproductive Physiology	Studies on ovarian physiology, oocyte maturation, fertilization and embryo development in domestic animals
Nade Toshihiro	Professor	Animal Feeding	Nutritional physiology and meat production
Nishida Takehiro	Professor	Animal Feeding	Nutritional physiology and feed evaluation in ruminants
Hanada Masaaki	Professor	Livestock Production	Improvement of productivity and sustainability of livestock production based on regional feed resources such as herbage and agricultural byproducts
△Miyamoto Akio	Professor	Animal Reproduction	Immune system for regulating fertility: a cross-talk between sperm/embryo and maternal genital tract

Acosta Ayala Tomas Javier	Associate Professor	Animal Production Animal Disease Control	Improving efficiency in dairy and beef cattle production. Herd health management.
Kawashima Chiho	Associate Professor	Animal Nutrition and Reproduction	1) Study on metabolic status and reproductive function during the peripartum period. 2) Study on nutritional and metabolic status of dam and fetus.
Kusaba Nobuyuki	Associate Professor	Animal Hygiene Dairy Production Medicine	1) Animal Hygiene: Disease control of calves 2) Mastitis Control: Prevention and therapy
Tetsuya Seo	Associate Professor	Animal Behavior Animal Welfare	Studies on animal behavior and animal welfare
Koichi Hagiya	Associate Professor	Animal Breeding	Genetic improvement of dairy cattle based on quantitative genetics
Masaaki Hanada	Associate Professor	Livestock Production	Improvement of productivity and sustainability of livestock production based on regional feed resources such as herbage and agricultural byproducts
Nobuyoshi Matsunaga	Associate Professor	Animal Physiology	1) Study on metabolic hormones related to growth 2) Study on intermediate blood metabolites
Yuki Muranishi	Associate Professor	Animal Development	Development and cell fate regulation of domestic animals
Watanabe Hiroyuki	Associate Professor	Reproductive Engineering	Studies on embryo production using assisted reproductive technology
Tatsuhiko Goto	Assistant Professor	Animal Breeding and Genetics	1) Genetic analyses of phenotypes using a variety of chicken breeds 2) Genetic and environmental factors in egg composition traits
Naoki Fukuma	Assistant Professor	Gut Microbiology Animal Nutrition	Study on gut microbes related to animal health and productivity

The Professor marked with \triangle will retire on March 31, 2025. If you would like to be supervised by him/her, please consult in advance about research instruction.

Ecology and Environmental Science

Name	Position	Field of Research	Contents
Oshida Tatsuo	Professor	Mammalogy	Ecological and phylogeographical studies of wild mammals
Akasaka Takumi	Assistant Professor	Conservation Science	1) Biodiversity Conservation and Ecosystem Service 2) Systematic Conservation Planning Anthropogenic Disturbance and Land-use Strategy
Asari Yushin	Associate Professor	Wildlife Ecology	1) Ecological study of arboreal mammals 2) Human-wildlife conflict 3) Road ecology
Kawamura Kensuke	Associate Professor	Grassland Ecology	Grassland ecology, grazing management, animal behavior, and remote sensing
Kumano Norikuni	Associate Professor	Insect Ecology	Behavioral Ecology, Population Ecology
Hashimoto Yasushi	Associate Professor	Fungal Ecology	Ecological studies of plants and associated fungi in natural and agricultural ecosystems.
Yamauchi Takeo	Associate Professor	Systematic Entomology	1) Taxonomic study using insect specimens 2) Evaluation of environment using insects as bioindicators 3) Medical and veterinary entomology

Food Science

Name	Position	Field of Research	Contents
△Ohwada Takuji	Professor	Applied Microbiology	Symbiotic relationship between plant and microorganism
Kinoshita Mikio	Professor	Food Chemistry	Food biochemistry of functional lipids
Shimada Kenichiro	Professor	Meat Science	Applied studies on meat science / meat processing
Takata Kanenori	Professor	Food Science	Cereal science and food processing
Fukushima Michihiro	Professor	Nutritional Biochemistry	Health benefits of probiotics and prebiotics
Fukuda Kenji	Professor	Dairy Chemistry	Studies on functionalities of milk components and lactic acid bacteria
Watanabe Jun	Professor	Food Functional Chemistry	Mechanistical studies on functionalities of food resources
Sugawara Masayuki	Associate Professor	Applied Microbiology	Studies on brewing microorganisms and plant symbiotic bacteria
Nakamura Tadashi	Associate Professor	Dairy Science	Applied studies on utilization and processing of dairy products
Hashimoto Naoto	Associate Professor	Nutritional Physiology	Functionality of phytochemicals on energy metabolism
Han Kyu-Ho	Associate Professor	Functional Nutrition	Research for bioresources on health function
Mikami Nana	Assistant Professor	Food Science	Meat science, food nutrition
Yamashita Shinji	Assistant Professor	Food Chemistry	Food function of lipids
Nagata Ryuji	Assistant Professor	Food Science	Studies on health function of food components

The Professor marked with △ will retire on March 31, 2025. If you would like to be supervised by him/her, please consult in advance about research instruction.

Agricultural Economics

Name	Position	Field of Research	Contents
Kono Hiroichi	Professor	Agricultural Economics	1) Economics and Epidemiology 2) Development Economics 3) Livestock Development and Poverty Reduction
Sembokuya Yasushi	Professor	Agricultural Economics	1) Risk management on agricultural production 2) Comparative analysis on food system
Iwamoto Hiroyuki	Associate Professor	Agricultural Economics	1) Economic Valuation of the Agricultural Environment 2) Research on internalization of external diseconomies in the livestock industry 3) Research on local resource evaluation
Kawano Youichi	Associate Professor	Agricultural management	1) Management Capabilities 2) Decision Information Analysis 3) Management Strategy in Traditional Industries
Kubota Satoko	Associate Professor	Agricultural Economics	1) Economic analysis on food safety 2) Risk communication

Engineering for Agriculture

Name	Position	Field of Research	Contents
Muneoka Toshimi	Professor	Irrigation, Drainage and Rural Engineering	1) River water quality and land use in agricultural and forest watersheds 2) Slope conservation and revegetation technology
Kimura Masato	Associate Professor	Agricultural Meteorology	Use of cold energy from natural ice
Miyatake Fumihito	Associate Professor	Bioresource Engineering	Theoretical and technological studies on composting and biomass
Yoshikawa Takuya	Associate Professor	Bioresource Engineering	Studies on fractionation and utilization of biomass, and development of its process

Plant Production Science

Name	Position	Field of Research	Contents
Kato Kiyooki	Professor	Plant Molecular Breeding	Molecular basis and applied studies on plant breeding
Koike Masanori	Professor	Insect Pathology	Biological control using insect pathogen
Tani Masayuki	Professor	Soil Science	Evaluation and improvement on soil fertility in arable land
Hirata Masahiro	Professor	Rangeland Ecology Culture Anthropology	1) Study on rangeland ecology and environmental conservation in dry areas 2) Study on subsistence and milk culture of pastoralists in dry areas
Hosaka Kazuyoshi	Specially Appointed Professor	Plant Genetics and Breeding	Potato genetics and germplasm enhancement
Aiuchi Daigo	Associate Professor	Applied Entomology	Studies on pest control of pathogen vector insects
Akimoto Masahiro	Associate Professor	Crop Science	Improvement of cultivation methods of common food crops and fodder crops.
Onishi Kazumitsu	Associate Professor	Plant Breeding	Genetic studies on quantitative traits in crop species
Kasuga Jun	Associate Professor	Plant Physiology	Abiotic stress adaptation mechanisms in plants
Sanetomo Rena	Associate Professor	Plant Genetics and Breeding	Potato genetics and germplasm enhancement
Mori Masahiko	Associate Professor	Plant Production Science	Study on physio-morphological characteristics in crop plants