

Description of the Master's Program
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.

List of potential supervisors for Masters' Program of Animal Science and Agriculture

Specialty: Veterinary Life Science

Name	Position	Field of Research	Contents
Makoto Igarashi	Professor	Diseases Control	Parasitism of protozoan parasites
Toshiaki Ishii	Professor	Neuropharmacology	Molecular basis of physiological and pathological manifestations in the central nervous system
Toru Ishikawa	Professor	Cell Physiology	Cellular regulatory mechanisms and structure-function relationships of ion channels and transporters involved in epithelial transport
Haruko Ogawa	Professor	Veterinary Epizootiology	Study on animal viral diseases
Shinichiro Kawazu	Professor	Preventive Medicine for Protozoan Diseases	Development of novel vaccines and therapeutic approaches based on functional analysis of the protozoan genome and proteins
Keiko Kawamoto	Professor	Immunology of Infectious Disease	1) Molecular and epidemiological research on infectious diseases of terrestrial and aquatic animals 2) Allergy and Immunology
XUAN Xuenan	Professor	Host Defense	Studies on analysis of host defense immunity and development of recombinant vaccines against protozoan parasite infections
Yoshiyasu Kobayashi	Professor	Diagnostic Pathology	Pathogenesis and diagnosis of animal diseases
Motoki Sasaki	Professor	Veterinary Anatomy	Functional morphology in vertebrates
Hiroshi Suzuki	Professor	Functional Genomics	Analysis of gene function <i>in vivo</i> by transgenic technology and development of reproductive biotechnology
Yasuo Nambo	Professor	Equine Reproduction	1) Research area for theriogenology 2) Reproductive biology, 3) Reproductive endocrinology in horses
Yoshifumi Nishikawa	Professor	Infection Immunity	Study on onset mechanism of pathogenic protozoan diseases
Hidefumi Furuoka	Professor	Pathobiological Science	The pathology of neuromuscular disorders and the pathology of infectious diseases (e.g., animal prion diseases, <i>Lawsonia</i> infection)
Motozumi Matsui	Professor	Diagnosis and Therapeutics for Reproductive Diseases	Pathophysiology of ovarian and uterine disorder in cow reproduction
Norio Yamagishi	Professor	Bovine Medicine	Pathophysiology, Diagnosis, and Treatment of Bovine Diseases
Naoaki Yokoyama	Professor	Diagnosis for Protozoan Diseases	Epidemiological survey of protozoan disease in domestic animals and development of its control strategy
Kayo Okumura	Associate professor	Bacteriology	Molecular mechanisms of bacterial pathogenesis and developments of diagnostic tools for bacterial pathogens

Name	Position	Field of Research	Contents
Akira Kubota	Associate professor	Environmental Toxicology	Study on biological effects and mode of action of anthropogenic chemicals
Nao Tsuzuki	Associate professor	Image diagnosis	Research on image diagnosis for farm animals
Mizuki Tomihari	Associate professor	Surgery, Oncology, Molecular Biology, Immunology	1) Study of minimally invasive Surgery 2) Study of tumor associated antigen in canine melanoma 3) Study of genetic factor for canine mast cell tumor
Takahito Toyotome	Associate Professor	Veterinary Mycology	1) Mycosis 2) Mycotoxicosis 3) Food mycology
Toyoko Hiroi	Associate professor	Pathogenic Bacteriology	Molecular mechanisms of bacterial infections and its pathogenicity. Development of diagnosis and detection methods of bacterial infections.
Shinya Fukumoto	Associate professor	Vector Biology	Infection mechanism of pathogens to the vector invertebrate
Kotaro Matsumoto	Associate professor	Large Animal Internal Medicine	Diagnosis and treatment of infectious diseases of large animals
Yoshikage Muroi	Associate professor	Neuropharmacology	Study on the central nervous system for controlling instinctive behaviors
Eiki Yamasaki	Associate professor	Food Hygienics	Management and establishment of detection methods for food-poisoning bacteria.
Mitsunori Kayano	Senior Assistant Professor	Biostatistics	Statistics in medicine and agriculture and its applications

Specialty: Animal Production

Name	Position	Field of Research	Contents
Keigo Kuchida	Professor	Animal Breeding	Statistical genetics for beef cattle based on objective measurements
Masafumi Tetsuka	Professor	Reproductive Physiology	Studies on ovarian physiology, oocyte maturation, fertilization and embryo development in domestic animals
Takehiro Nishida	Professor	Animal Feeding	Nutritional physiology and feed evaluation in ruminants
Akio Miyamoto	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 dairy and beef cattle production. Herd health management.
Chiho Kawashima	Associate professor	Animal Nutrition and Reproduction	1) Study on metabolic status and reproductive function during the perinatal period. 2) Study on nutritional and metabolic status of dam and fetus.
Tetsuya Seo	Assistant Professor	Animal Behavior Animal Welfare	Studies on animal behavior and animal welfare

The professor marked with * will retire on March 31, 2021. If you would like to be supervised by him/her, please consult in advance about research instruction.

Name	Position	Field of Research	Contents
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

Specialty: Ecology and Environmental Science

Name	Position	Field of Research	Contents
Norikuni Kumano	Associate professor	Insect Ecology	Behavioral Ecology, Population Ecology
Yasushi Hashimoto	Associate professor	Fungal Ecology	Ecological studies of plants and associated fungi in natural and agricultural ecosystems.
Yushin Asari	Senior Assistant Professor	Wildlife biology	1) Biology of arboreal mammals 2) Urban and rural ecology 3) Road ecology

Specialty: Food Science

Name	Position	Field of Research	Contents
Tadasu Urashima	Professor	Milk Functional Science	Biological function of milk and milk products, function of dairy lactic acid bacteria starter
Takuji Ohwada	Professor	Applied Microbiology	Symbiotic relationship between plant and microorganism
Mikio Kinoshita	Professor	Food Functional Chemistry	Food biochemistry of functional lipids
Michiyuki Kojima	Professor	Biochemistry	Structure analysis and action mechanism of constituent which affects the biofunction
Kenichiro Shimada	Professor	Meat Science	Applied studies on meat science / meat processing
Michihiro Fukushima	Professor	Nutritional Biochemistry	Theoretical and applied study on nutritional biochemistry and molecular biology
Hiroaki Yamauchi	Professor	Food Technology	Theoretical and applied studies on value-added utilization and processing of agricultural and dairy products
Tadashi Nakamura	Associate professor	Dairy Science	Applied studies on utilization and processing of dairy products
Kyu-ho Han	Associate professor	Food Science	Research for bioresources on health-function
Kenji Fukuda	Associate professor	Food Science	Studies on functionalities of milk proteins and lactic acid bacteria

Specialty: Agricultural Economics

Name	Position	Field of Research	Contents
Toshihisa Kanayama	Professor	Agricultural economics	1) Development of rural food system 2) Behavioral economics and food safety
Koki Kyo	Professor	Statistics	1) Statistical data analysis 2) Statistical analysis of regional economy 3) Statistical analysis of agricultural economy
Hiroichi Kono	Professor	Agricultural Economics	1) Economics and Epidemiology 2) Development Economics 3) Livestock Development and Poverty Reduction
Eiichi Shiga	Professor	Agricultural Economics	Studies on the behavior of large-scale business-farm in the regional agriculture
Yasushi Sembokuya	Professor	Agricultural Economics	1) Economic analysis on the development of farm level hygiene management 2) Comparative analysis on the distribution system of agricultural products

Specialty: Engineering for Agriculture

Name	Position	Field of Research	Contents
Kazutaka Umetsu	Professor	Bioprocess Engineering	Studies on advanced fermentation methods to convert energy and development of methods to utilize nitrogenous compounds for livestock farming
Tadashi Kishimoto	Professor	Agricultural Machinery	1) Dynamics of traction device of agricultural vehicle 2) Development of application technology for dairy manure slurry
Tadatoshi Satow	Professor	Agricultural Machinery Agricultural Informatics	1) Studies on farming system engineering in large-scale agriculture 2) Application of smart agriculture and agricultural robot
*Osamu Tsuji	Professor	Soil and Water Conservation	1) Water and wind erosion in cold region 2) Conservation of windbreaks using GIS
Toshimi Muneoka	Professor	Irrigation, Drainage and Rural Engineering	1) River water quality and land use in agricultural and forest watersheds 2) Slope conservation and revegetation technology
Masato Kimura	Associate professor	Agricultural meteorology	Use of cold energy from natural ice
Fumihito Miyatake	Associate professor	Bioresource Engineering	Theoretical and technological studies on composting and biomass

The professor marked with * will retire on March 31, 2021. If you would like to be supervised by him/her, please consult in advance about research instruction.

Specialty: Plant Production Science

Name	Position	Field of Research	Contents
Kiyoaki Kato	Professor	Plant Molecular Breeding	Molecular basis and applied studies on plant breeding
Masanori Koike	Professor	Insect Pathology	Biological control using entomopathogenic fungi
Masayuki Tani	Professor	Soil Science	Evaluation and improvement on soil fertility in arable land
Masahiro Hirata	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
Masahiro Akimoto	Associate professor	Crop Science	Improvement of cultivation methods of common food crops and fodder crops.
Kazumitsu Onishi	Associate professor	Plant Breeding	Genetic studies on quantitative traits in crop species

Obihiro University of Agriculture and Veterinary Medicine Website

Visit our website for further information on supervisors above.

<https://www.obihiro.ac.jp/en/navi-grad-sch-anim-vet-sci-agric>