Department of Agriculture

Course of Animal and Plant Biosciences

Course of Forest Environment and Sustainability Sciences

Course of Marine Life Science

Course of Applied Biochemistry and Biotechnology

Department of Veterinary Sciences

Faculty of Agriculture
University of Miyazaki

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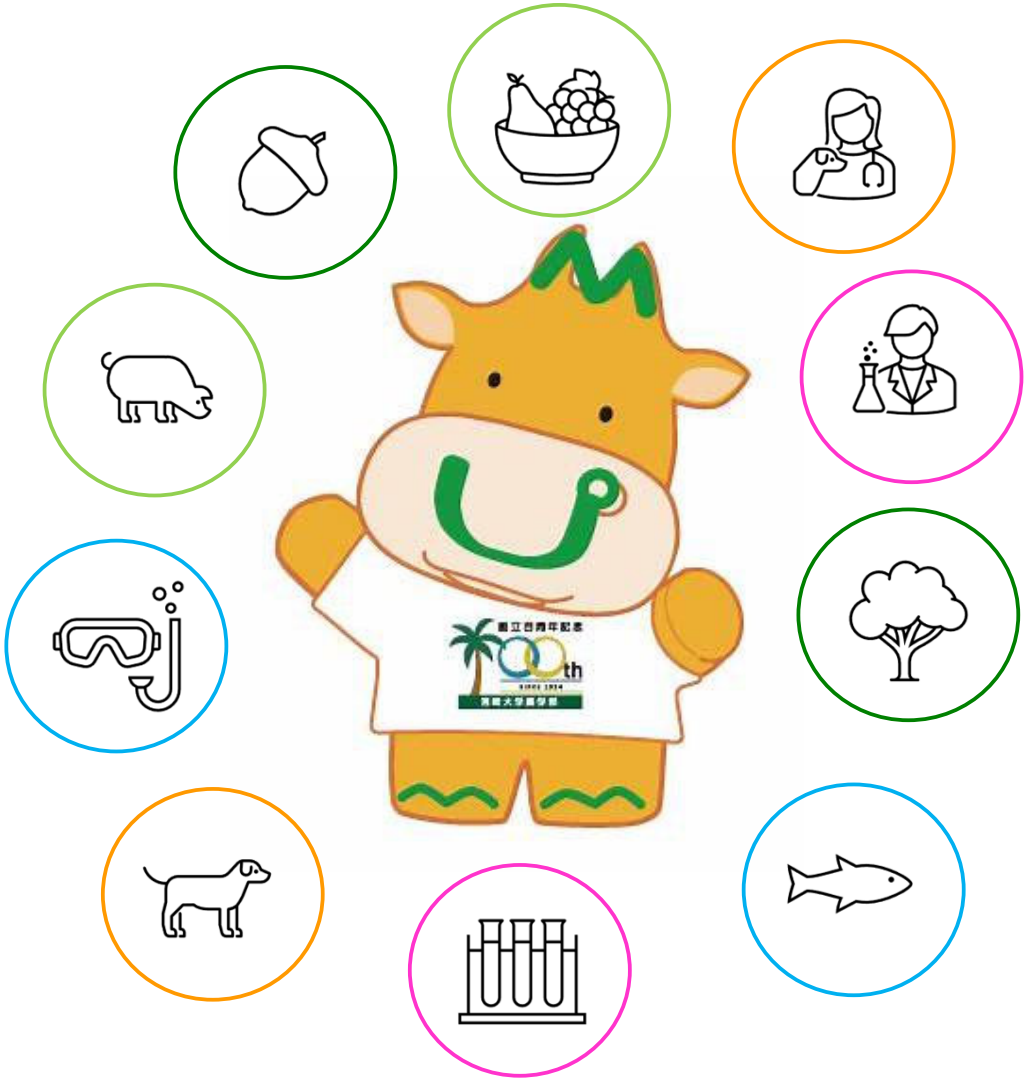
University of Miyazaki

Faculty of Agriculture



UNIVERSITY OF MIYAZAKI
Faculty of Agriculture

Contents

Message from the Dean

Mankind has flourished from generation to generation with the blessings of nature. For mankind to continue to thrive, food needs to be produced sustainably and efficiently while protecting the natural environment. To respond to these challenges, Faculty of Agriculture at the University of Miyazaki (UOM) offers education and research opportunities that cover almost every subject in agricultural sciences, including green crops, fruits, horticulture, forestry, grasslands, fisheries, biological functions, processing and application of foods, marine ecosystems, marine production, livestock and feed production, conservation of genetic resources, and advanced veterinary medicine, as well as studies in relevant fields such as agricultural economics and engineering including mechanical development and civil engineering. In addition, the university also owns various facilities where students can learn through hands-on experiences, including a large in-campus farm, one of the largest pasture in western Japan, a research forest consisting of cedar and unique laurels, a fishery research laboratory, a veterinary hospital, and an agricultural museum.

UOM also aims to develop a global campus and accepts many international students through global talent development program at International Course of Agriculture at the Graduate School level. Courses under this programs are taught exclusively in English, and a global way of thinking can be nurtured through interactions with students of various nationalities. Our expectation is for you to develop into a talent capable of pursuing latest research in agricultural sciences that Japan proudly presents to the world, communicate achievements globally, and contribute to the growing industries that are agriculture, agroforestry, and fishery. Learn the cutting-edge science in agricultural sciences through interactions with kind and warm people in a land rich in natural environment that is Miyazaki, where forests are deep, sunshine is bright, and the sea is clear. Your enthusiasm is necessary for opening an new era.

Hisanobu Kunikake, Prof. D. Agr.
Deen of Agriculure

Organization Chart

Faculty of Agriculture
(Undergraduate Courses)

Departments

- Agriculture
  - Course of Animal and Plant Biosciences
  - Course of Forest Environment and Sustainability Sciences
  - Course of Marine Life Science
  - Course of Applied Biochemistry and Biotechnology
- Veterinary Sciences

Facilities

- Center for Innovative Agriculture （CIA）
  - Section of Field Practice
  - Section of Collaboration Promotion
- Veterinary Teaching Hospital Agricultural
- Museum

Graduate School of Agriculture
(Masters Courses)

- Course of Agriculture and Environmental Sciences
- Course of Forest and Environmental Sciences
- Course of Biochemistry and Applied Biosciences
- Course of Marine Biology and Environmental Sciences
- Course of Animal Grassland Sciences
- International Course of Agriculture

Interdisciplinary Graduate School of Agriculture and Engineering
(Doctor Courses)

Interdisciplinary Graduate School of Medicine and Veterinary Medicine
(Master Courses)

Interdisciplinary Graduate School of Medicine and Veterinary Medicine
(Doctor Courses)

Faculty of Agriculture

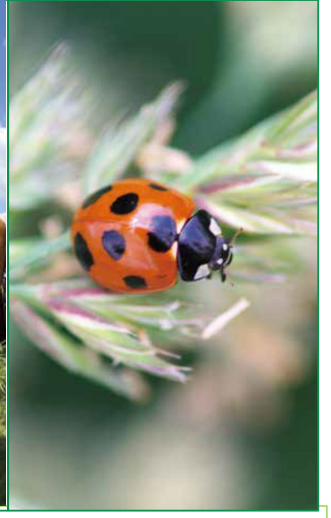
Overcoming food, environmental, human and animal infectious disease problems in Japan, Asia and the World.

The faculty of Agriculture aims to develop human resources who can deal with various issues such as environmental problems, ensuring food safety, sustainable production of agricultural products and overcoming common infectious diseases of human and animals. In April 2025, we are divided into 2 new departments, Agriculture and Veterinary Sciences. The Agriculture department consists of four course, Course of Animal and Plant Biosciences, Course of Forest Environment and Sustainability Sciences, Course of Marine Life Science, Course of Applied Biochemistry and Biotechnology.

Environments

Univerisity of Miyazaki is located in the southern part of Miyazaki City. The clime in this area is rather moderate compared with other citires in Japan. Winters in Miyazaki City are clear and mild, with the temperatures seldom below freezing. It snows only a couple of days each winter. The average winter temperatures range from 5 to 10 C. Summers are sunny, hot and wet. Some days in summer the temperature exceeds 35 C.





Course of Animal and Plant Biosciences

Features of the Course

Course of Animal and Plant Biosciences aims to provide new education and research that integrates animal production, plant production, and life science. In addition, we incorporate experiments and practical training that make full use of cutting-edge smart agriculture, digital transformation in agriculture, and data science, and aim to train specialists who can comprehensively coordinate animal and plant production, life science, and next-generation agricultural science.


Research for new, high quality vegetable production

Our vegetable research team works on projects to clarify the physiology and ecology of vegetables, to improve health-promoting quality by applying stress to tomato, and to develop new cultivation system of vegetables. We try to develop techniques for new, high-quality vegetable production from these studies.

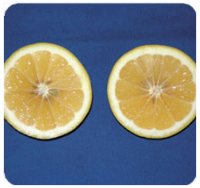

Storage organ formation from seed in lotus


Salt-stressed tomato

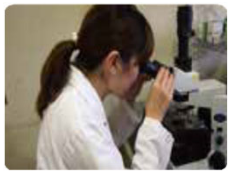

A solar-sharing cultivation system

Research on improving the quality and productivity of local fruits in Miyazaki

Laboratory of pomology focuses on micropropagation of tropical fruit such as lychee and mango, evaluation of elite rootstocks such as dwarfing rootstock, and seed less fruit production of Hyuganatsu. We aim to contribute to improve in local fruit production in Miyazaki.

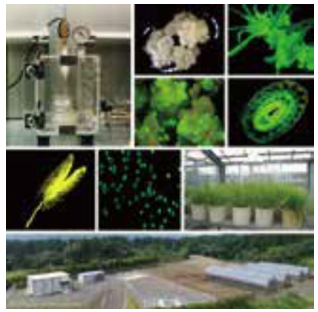

Research on Food-borne Bacteria




The course cultivates human resources capable of scientific studies about food-safety and stable food supply including the research of food-borne bacteria. A research topic is the control and prevention of *E. coli* food poisoning and the course is also engaged in unraveling the molecular pathogenesis and development of detection and identification technologies of the pathogen based on the genome information.

Collection, Conservation, Evaluation and Utilization of Plant Genetic Resources, and Genetic Transformation of Forage Plants

The department is performing the collection, conservation and evaluation of plant genetic resources and research the evolution of grass (Gramineae) and legume (Leguminosae) forage plants by using genome analysis. Moreover, we study genome-based breeding to generate new varieties, in addition to working on the utilization of local genetic resources. On the other hand, we develop novel forage plants which have high nutritional value and high potential to mitigate the effects of environmental stresses by genetic transformation.



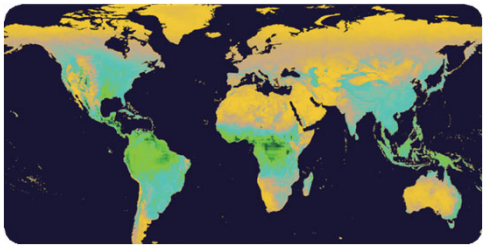
Course of Forest Environment and Sustainability Sciences

Features of the Course

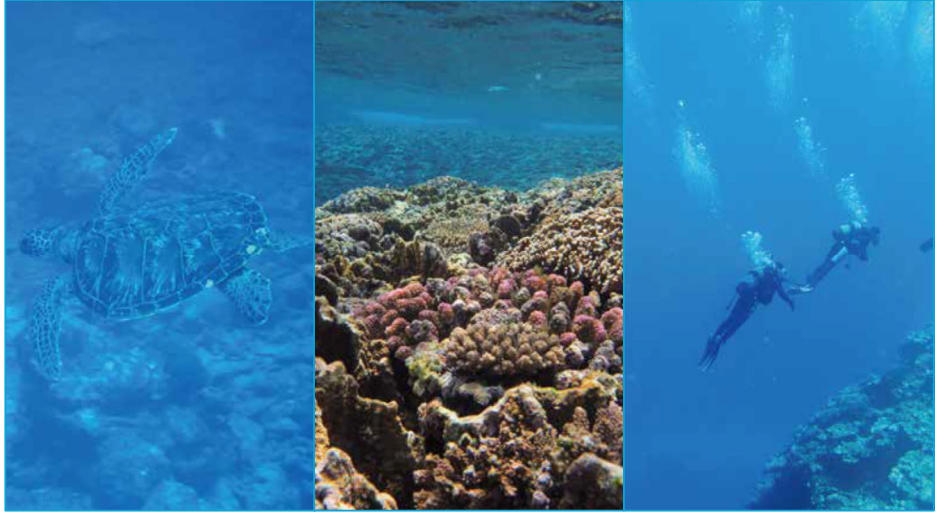
Course of Forest Environment and Sustainability Sciences, we aim to realize a sustainable society in which nature and humans live in harmony through the utilization and protection of forest resources, and the conservation of biodiversity, ecosystems, and the environment, including water and soil. In our education, we use the latest technology to realize digital transformation, and develop practical skills that will be useful even after employment. We also conduct practical training that takes advantage of Miyazaki's rich forests and natural environment. We will work with students to solve everything from local issues to global issues such as the realization of the SDGs.

International Research on Reducing CO_2 Emissions from Deforestation and Joint research with JAXA: Global Change Observation Mission (GCOM),Development of Evapotranspiration Index Map as a GCOM-CL and Product

Emission of CO_2 from deforestation and forest degradation in tropical forests is a critical issue in climate change mitigation efforts. REDD+ is an international framework for supporting forest management activities in developing countries. As a REDD+ activity, monoculture plantation (e.g. rubber and oil palm) is favored because it facilitates both carbon sequestration and income generation. However, large scale plantations damage local ecosystems and cause biodiversity loss. We have been attempting to determine sustainable forest management activities that balance carbon sequestration, income.



Water is a key resource for forests, agricultural lands, the global environment, and humans in particular. We have been striving to develop methods for the continuous monitoring of water resources in the Earth's environment from space, in addition to changes in water resources using satellites, in collaboration with the Japan Aerospace Exploration Agency(JAXA)



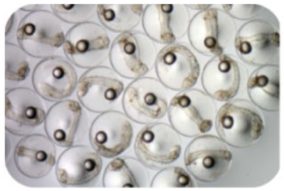
Course of Marine Life Science

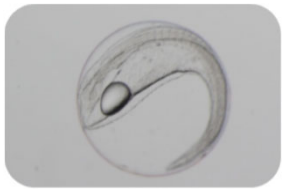
Features of the Course

Course of Marine Life Science, students will gain an in-depth understanding of the aquatic environment, including the oceans, which are important to our earth, and will explore aquaculture production as a food resource, biodiversity, and the utilization of marine resources. By focusing on the various life forms that inhabit the ocean and their ecosystems and through a practical educational curriculum on the physiology, genetics, and classification of marine organisms, the use of marine resources, disease prevention for aquatic organisms, and the conservation of the marine environment, we aim to develop practical specialists with agricultural generality skills who can play an active role not only in the local but also in the international community.

Contribution to Aquaculture

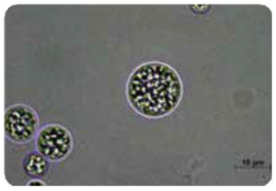
As the world population continues to grow, food security has become an important issue. Aquaculture production of marine products has been increasing in recent years and will continue to be important in the future. We are currently conducting research to improve the efficiency of aquaculture production. We have developed new technologies to accelerate fish growth, and are conducting research to improve techniques for complete aquaculture. Through these studies, we contribute to the SDGs.

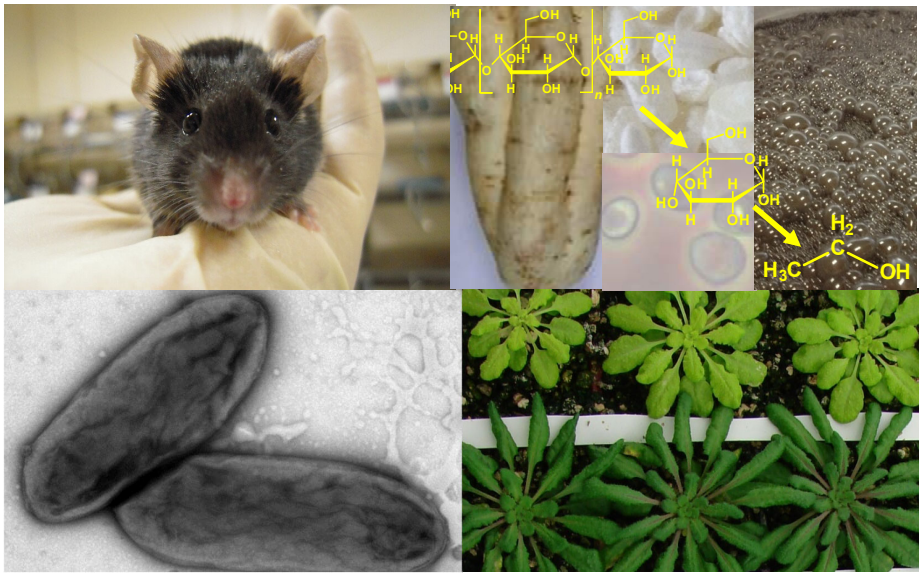




Microbial Production of Functional Compound by Marine Microorganisms

Many unknown microorganisms have been identified in oceans. Their characteristics are different from those of terrestrial microorganisms. In addition, they can produce compounds that can be utilized for medicine, functional foods, and cosmetics. We are currently attempting molecular breeding using genetic engineering, artificial mutations, and metabolomics. Our research will be useful for marine utilization.



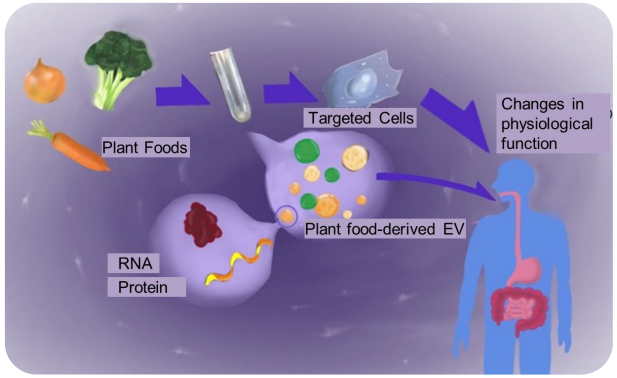


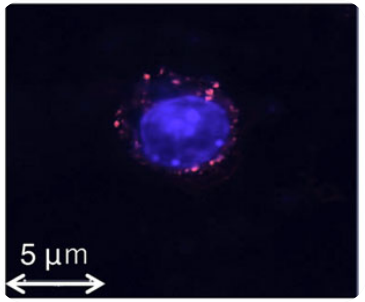
Course of Applied Biochemistry and Biotechnology

Features of the Course

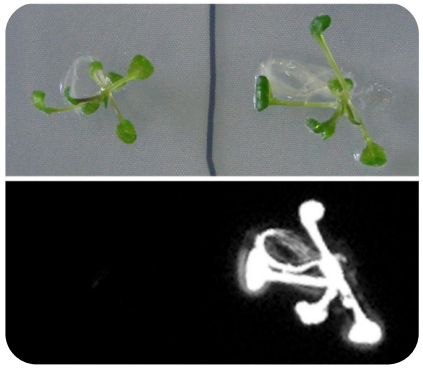
In the Course of Applied Biochemistry and Biotechnology, students can study life phenomena from a chemical perspective and acquire the knowledge necessary to address critical issues related to human health, food, energy, and the environment.
Through the practical biochemistry curriculum, we aim to cultivate leaders who can contribute to the development of local communities by studying the biological functions of animals, plants, and microorganisms from a biochemical perspective and applying this knowledge to technology. Additionally, we aspire to develop individuals who can play an active role in the international community.

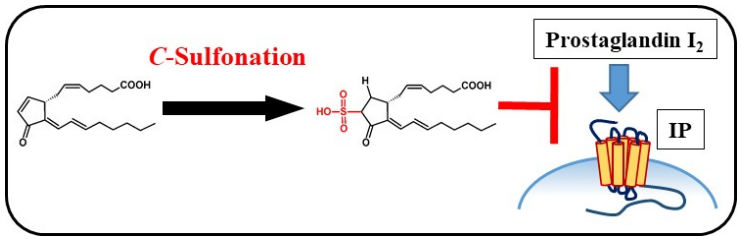
Advanced Research of the Course





In the laboratories, a variety of living organisms, such as plants, mice, and microorganisms, serve as research subjects to understand the biochemical basis of life and to develop environmentally friendly technologies. These studies include investigating the immune system of animals, examining the functional properties of plants, generating electricity from organic waste using microbial fuel cells, exploring the functions of regional foods using cultured cells and mice, and understanding the biological mechanisms and physiological functions of enzyme.





Department of Veterinary Sciences

Outline of the Department

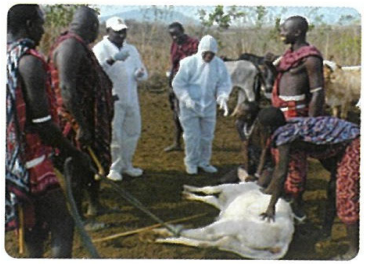
Veterinary sciences have long been pursued as education in animal diseases prevention, diagnosis and treatment. As human life becomes more diversi6ed and sophisticated, veterinary sciences become an important part of life sciences not only in the improvement of animal health, also in the public health (of humans), animal welfare and the environmental protection. To foster veterinarians who can contribute to society in both human and animal health and welfare, we provide students with the essential knowledge and techniques in veterinary sciences and additionally, with the cutting-edge knowledge in the prevention, diagnosis and treatment of animal diseases as well as the control of zoonotic diseases.

Features of the Department

In the Department of Veterinary Medicine, we have established a practical educational curriculum in cooperation with the local community that allows students to understand the broad social roles and sound ethics expected of veterinarians and to independently learn knowledge and skills in an age when social values are diversifying and becoming more sophisticated due to the rapid development of information technology, etc. In this way, we aim to train veterinarians who can protect the safety of people's lives and contribute to the sustainable development of veterinary medicine and the agriculture, forestry, and livestock industries.

Challenges to control transboundary animal infectious diseases

To control animal infection us diseases, department of veterinary science has conducted cutting-edge researches focusing on international collaboration, epidemiology, development of diagnostic methods, and so on. Our researches aim at the contribution to our society both domestically and overseas, and are integrated various disciplines to solve the problems on both humans and animals.



Center for Innovative Agriculture (CIA)

The center consists of two section, Section of Field Practice, Section of Collaboration Promotion.

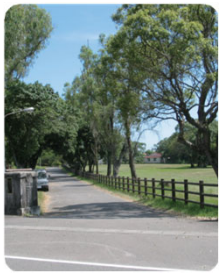
The Section of Field Practice has 4 field. Each field has its corresponding the Kibana Agricultural Field (University Farms), Sumiyoshi Livestock Field (University Stock Farms), Tano Forest Field (University Forests), and Nobeoka Field (Fisheries Research Laboratory). The aim of the field is to promote the education and research about the coordination of bio-production and the earth environment. The stations are used to implement education and research programs effectively by practice and experimental courses of the faculty.

Kibana Field

The field is adjacent to the campus, and total area is 31 ha, including paddy and upland fields. Paddy rice, sweet potato, potato, satsuma mandarin, hyuga-natsu citrus, tomato, cucumber, sweet corn, cabbage, chinese cabbage, broccoli, and so on are cultivated in paddy and upland fields, orchard or greenhouses, and they are sold at the market or university cooperation after harvesting. To offer farm training for students, this station has acquired GAP (Good Agricultural Practices) certifications, the JGAP Cereals 2012 and the JGAP Fruits and Vegetables 2010. It is the first GAP-certified university farm in Japan. The certifications will be updated every year. Therefore, students can learned firmly the fundamentals of farming under the fields certified GAP. The curriculum including many farm training are supported for educations or researches of students not only faculty of agriculture but also another faculty. Furthermore, the station is used as a place for agricultural experiences for the children of nursery school, kindergartens, elementary and junior high schools, or as public open lecture for citizen.

Sumiyoshi Field

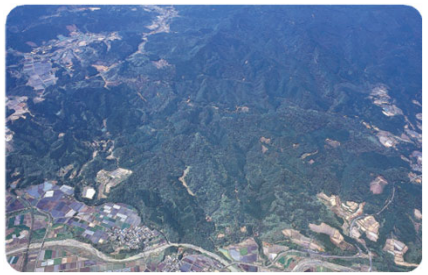
The field is located at the northeast part of the Miyazaki City, 25 km apart from the campus. The facility was founded in 1929 and now covers 50.4 ha, including 39.6 ha of cultivated fields and grassland and 5,898 m^2 of buildings. Approximately 30 dairy cows and 150 beef cattle are reared in this ranch each year. The station is used to establish and investigate management systems for grassland and animal production that make good use of local characteristics. It also provides practical experience for students of the Departments of Animal and Grassland Science, Veterinary Science and the Vocational Course of Animal Production.



Tano Forest Field

The field was established in 1937, and has been used for education and research of forestry and forest science. The areas of the station are 502 ha in Tano district and 118 ha in Ohno and Sakita district. Field training courses for students are carried out more than 30 days a year.

Research subjects of the stations are as follows;
(1) biogeochemistry of forest ecosystem,
(2) silvicultural studies of old growth Hinoki plantation,
(3) long term ecological research of evergreen broad-leaved forest.



Nobeoka Field

The station is located in the Nobeoka City. It is about 100 km apart from the Kibana campus. It serves as a facility for practical studies on the development and utilization of fisheries resources and also as a training center for the students. Boats, several sizes of tanks, other instruments in the laboratory and accommodations are available. Research subjects of the station at the present time include ecological studies on fish production and related projects.

Facilities of the Faculty

Veterinary Teaching Hospital

The Veterinary Teaching Hospital was established in 1953 with the aim of promoting clinical practice, education and research of veterinary medicine. Since then, the hospital has contributed much to the realization of that purpose. In 1985, the hospital moved to the new campus, and was expanded and strengthened by the addition of modern facilities such as ultrasonic and X-ray equipments, for large animals, etc., in order to meet the demands of current research development.



Center for Animal Disease Control (University Center)

The mission of the Center for Animal Disease Control (CADIC) is to address existing issues of transboundary and zoonotic livestock diseases, as well as the anticipated threats to livestock industries, using cutting-edge technologies and evidence-based strategies. CADIC also fosters the development of the next generation of researchers, livestock farmers, food distributors, and retailers to promote sustainability.

Agricultural Museum

The Agricultural Museum is located in the Kibana campus. Various kinds of specimens are exhibited, for example, native wildlife and fish, skeletons of mammals, blocks of timber, bamboo, seeds of trees, fossils of animals and plants, farming machines of old and modern types, and sections of typical soil composition from Miyazaki area. The museum is available for the study and research of the faculty and students of the University, as well as is opened daily for the public, except weekends and holidays.


Graduate School of Agriculture (Master's Course)

Previous graduate school was reorganized into the new Graduate School of Agriculture (comprising six courses) in the 2014 academic year. The objectives of the Graduate School of Agriculture are to enhance the specialized nature of the faculty's education; resolve domestic and international issues related to food, the environment, resources, and life; and contribute to the creation of a sustainable and productive society that exists in harmony with the natural environment. It also aims to develop professional technicians and researchers from many different countries who possess sophisticated knowledge in the field of agriculture and the ability to put this expertise to practical use.

Course of Agricultural and Environmental Sciences

The course aims to train students with advanced expertise in ar eas including the development and improvement of vegetality; the analysis and control of the biological environment; improvements to the agricultural production environment within production, processing, and circulation; and the management of local ecosystems. They will develop into researchers and practitioners in these areas and in addition, serve as human resources who possess an international perspective and who can contribute to the safer and sustainable production of plants and their use.

Course of Forest and Environmental Sciences

Forest, agricultural land and other green area are indispensable for human well-being, i.e., as safe and comfortable living environments, as well as the production filed of biological resources to keep living on the Earth. The mission of "the Course of Forest and Environment al Sciences" is to provide a high quality education on forest and environmental sciences based on an integrated scope considering forest, rural and urban areas as a continuum with interaction. The education emph asizes (1)sustainability of forest and water resources, (2) function of forest and green space, and (3) harmonization of resource use with natural and social environments.

Course of Biochemistry and Applied Biosciences

The course of biochemistry and applied biosciences aims to develop human resources with creativity and problem-solving ability, with which they can help develop cutti ng-edge and unique technology to tackle issue of life, food, and environment, and the capability to address globalization and computerization. This course provides the education and research focusing on pos sessing advanced knowledge of and techniques for biological science and being equipped with the c omprehensive knowledge and practical skills that will enable them to contribute to science and technology in the field of applied biological science

Course of Marine Biology and Environmental Sciences

The course of marine biology and environmental sciences aims to contribute the preservation of the marine environment and utilization of the marine resources.For the marine environment, taxonomy and ecology of fish and coral are investigated.For the utilization of the marine resources, biotechnology, physiology, food science and fisheries science are investigated.These research has been greatly contributed for the prevention of marine ecosystem and the actual utilization of marine bio-resources.

Course of Animal and Grassland Sciences

In terms of the educational concepts of“ Soil-Plant-Animal System” and“ from Farm to Table,” through advanced educational research into environmentally sound, susta inable, safe and high-quality livestock production systems, the course aims to train students to be highly skilled professionals as follows:

1. They possess advanced expertise and techniques on environmental ly sound, sustainable, safe and high-quality livestock production systems.
2. They are able to discuss from a multi-faceted perspective the p roblems that must be addressed in order to build sustainable livestock and grassland production systems that are in harmony with the natural environment, and to present solutions to these problems.
3. They master the ability to present and express their own ideas with regards to the various problems relating to “food, agriculture and agricultural communities” in regional and international society, while they are also cooperative and highly ethical.

International Course of Agriculture

Exploiting the benefits of specializing in agriculture (single-subject specialization) and considering globally emphasized issues, particularly by ASEAN nations, this course provides three types of practice programs: cross-cutting, task-pursuing, and problem-solving types. As wel l as implementing mutual exchange education in cooperation with overseas academic exchange partner institutions, the course aims to develop highly skilled experts and researchers who can globally contrib ute to exploiting and developing their diverse and advanced expertise and skills relating to agriculture. Another feature of this course is the fact that all lectures are provided in English in principle.

Special Course for International Program

Graduate Education for Global Society

In order to graduate school graduates are active in various areas of the world

ICA

International Course of Agriculture

Program for Sustainable Agriculture

- Planta Production and Molecular Physiology
- Planta Production and Environmentally Safer Agriculture
- Agricultural Mechanization and Ergonomics
- Transition and Current Issues of Agriculture and Forestry
- Biodiversity Conservation in Agricultural and Forest Land use
- Advanced Soil and Water Engineering
- Interdisciplinary Leading-edge Technology for Functional Food Design

Integrated Program for Animal and Plant Disease Control

- Fishery Production and Marine Environment
- Production and Biosecurity in Aquaculture
- Integrated Livestock Production Management
- Practice of Integrated Livestock Production Management
- Integrated Forage Production Management
- Practice of Integrated Forage Production Management
- Countermeasure of Animal Infectious Diseases

Program for Conservation and Use of Genetic Resources

- Biological Genetic Resources
- Role of Genetic Resource to Society
- Bioinformatics
- Practice and Method of Model Genetic Resources 1
- Practice and Mmethod of Model Genetic Resources 2

Interdisciplinary Graduate School of Medicine and Veterinary Medicine (Master's Course)

The Master’s Courses for Medical and Veterinary Science aims to nurture re searchers and educators with comprehensive judgment and research capabilities based on broad -ranging knowledge concerning the life sciences who will aid in the formation of the technological and knowledge foundation for society, high quality medical technicians and researchers with an advanced research mind and bioethics consultants, based on the collaboration among medical and veterinary fields. In developing such individuals, the Course aims to produce graduates that will contribute to the improvement of health and welfare for society and graduates that can contribute to local healthcare and industry.

Training Course for Researchers of Life Science

This course aims to nurture personnel with the ability to work as life science researchers or educators in the fields of medicine and veterinary medicine; OR personnel wit h medical or veterinary medical knowledge after completing a Master’s degree in education for animal husbandry who can perform educational activities geared toward infectious diseases, such as

Training Course for Healthcare and Service Innovation Professionals

This course aims to nurture personnel capable of rational, scientific-minded thought who can work in the provision of highly advanced medical relief or who can provide education and

Training Course for Bioethics Coordinator

This course aims to nurture personnel who are well-versed in th e latest laws for medical professionals, government ministry-related ethical guidelines, and other guidelines for relevant academic societies and who have the knowledge and skills required to promptly



Interdisciplinary Graduate School of Medicine and Veterinary Medicine (Doctoral Course)

The Interdisciplinary Graduate School of Medicine and Veterinar y Medicine is the first of its kind in Japan, and one of only a handful in the world. The Graduate School offers Doctoral Courses aiming to produce future researchers and educators in medicine and veterinary medicine from among highly specialized professional doctors, veterinarians, and researchers in all disciplines.

The Doctoral Courses also aim to develop human resources who ca n respond to the needs of local areas and contribute to the resolution of global issues by engaging in co mprehensive education and research activities that involve interaction between medicine and veterinary medicine.
By cultivating these human resources, the program is contributing to the improvement of human health and welfare and the resolution of various issues in the fields of me dicine and veterinary science, including such pressing 21st century tasks as coming up with effective treatments for newly emerging infectious.

Training course for physicians with professional skills

This course aims to cultivate human resources with the following variety of skills and abilities: diagnosis and treatment techniques necessary for medical services that require sophisticated expertise; expertise based on a high sense of ethics; a wide range of fundamental kn owledge of medical science, veterinary science, and other biological research needed to adapt to changes in the state of medical care; knowledge and experience required for clinical study such as animal experiments; research skills based on extensive knowledge of zoonosis.

Training course for veterinarians with professional skills

This course aims to cultivate human resources with the advanced skills needed to conduct diagnosis, treatment, and research related to the healthcare of companion animals and farm animals; and with the ability to supervise veterinarians in the field of meat hygiene, livestock hygiene, and public health.

Training course for researchers of medical and veterinary science

This course aims to foster human resources with a wide range of fundamental knowledge in medical science, veterinary science, and other fields of biology; cultivate the techniques they will need to conduct research-related animal experiments; nurture their ability to p roceed autonomously with research while responding to changes in the state of affairs; and to develop individuals who are capable of playing an active global role in the fields of medicine and veterinary medi cine and of conducting research related to both fields.



Interdisciplinary Graduate School of Agriculture and Engineering (Doctoral Course)

The Interdisciplinary Graduate School of Agriculture and Engineering is founded on the disciplines of agriculture and engineering and their collaborative achievements. By preparing students with an integrated comprehension grounded in comprehensive knowledge and a capacity for high-level research, we are working to deepen the field of collaborative agricultural engineering education and research and meet the demand for advanced technical specialists who will contribute to a society built on knowledge and technology.

Department of Environment and Resource Sciences

1 Course of Sustainable Agricultural Technology and Science
2 Course of Environmentally Harmonized Technology and Science

The Department of Environment and Resource Sciences aims at tra ining advanced technical specialists who can contribute to the promotion of a safe and vigorous recycling-oriented society which is focused on lowering environmental impact by the effective use of resources and resou rce recycling. We attempt to achieve this goal in order to address prominent issues human beings must face such a s the depletion of resources, the deterioration of nature and habitats, the global food shortage etc. Therefore, it is our responsibility to promote and deepen education and research in hopes of creating a sound system involving recycling and symbiosis with the environment by uniting cities, farming lands and forests. In addition we seek to educate on methods to achieve a system of low environmental impact which promotes

Department of Applied Biological Science

1 Course of Bioscience and Biotechnology
2 Course of Marine Biological Science

The Department of Applied Biological Science aims to train adva nced technical specialists who can attain understanding of the various functions involving animals and plants, microorganisms and aquatic organisms, and based upon such expertise, can contribute to the tasks of producing f ood, energy and a cleaner environment, which is of great importance to both local and global societies. Therefore, our department provides the education and research needed for clearly understanding the potential functions of microorganisms, decomposition of environmental pollutants and biomass conversion in local communities to

Department of Materials and Informatics

1 Course of Advanced Materials and Energy
2 Course of Production Technology
3 Course of Computer Science and Bio-informatics

The Department of Materials and Information aims to train advanced technical specialists who can contribute to the development of new environmentally-friendly materials, technology concerning conversion and analysis of energy, energy-saving methods, highly computerized manufacturing techno logy, information processing technology and mathematical models. This will be accomplished by utilizing advanced algorithms and software in order to address the need for an environmentally-friendly recycling-oriented advanced information society. Therefore, this department provides the education and research concerning the creation of functional materials controlled by nano-order, the development of highly efficient converted symbiotic energy system, energy measurement and analysis. Furthermore, it provides the education and research corresponding to the development of measurement and control systems based on production engineering, designs with low environmental impact a nd production technologies, and the intellectual control of production information based on

Partner University (Faculty collaboration)

①	China Agricultural University	China
②	College of Fisheries of Sciences, Pukyong National University	Republic of Korea
③	Aquaculture Research Department, National Institute of Fisheries Science	Republic of Korea
④	College of Natural Science, University of Seoul	Republic of Korea
⑤	Mongolian University of Life Sciences	Mongolia
⑥	Bogor Agricultural University	Indonesia
⑦	Central Luzon State University	Philippines
⑧	Faculties of Veterinary Science and Tropical Medicine, Mahidol University	Thailand
⑨	Faculty of Veterinary Medicine, Khon Kaen University	Thailand
⑩	Institute of Aquaculture,University of Stirling	United Kingdom
⑪	University of Teramo Faculty of Veterinary Medicine	Italy
⑫	Department of Health Protection and Health Policy, Calabria Region, Department of Agriculture,Forests and Forestation, Calabria Region, Department of Pharmacy and Nutrition and Health Sciences, University of Calabria	Italy
⑬	Department of Health, Animal Science and Food Safety, University of Milan	Italy
⑭	Faculty of Forestry and Wood Technology, Mendel University in Brno	Czech Republic
⑮	Faculty of Agriculture University of Buenos Aires	Argentina

Getting to Miyazaki

People traveling to Miyazaki from overseas often travel via Tokyo, Osaka, Nagoya, or Fukuoka, but there are direct flights to Miyazaki from South Korea and Taiwan. Miyazaki Airport is about 15 minutes by car from either campus.