

Appendix 1-2: Additional information on Tottori University

16-1 鳥取大学持続性社会創生科学研究科（農学専攻） Tottori University Graduate School of Sustainability Science (Department of Agricultural Science)

・候補者へのメッセージ・アピールポイント等 Messages for Candidates

Tottori University's main campus locates in a very convenient place, one-hour flight from Tokyo and a 15-minute walk from the Tottori Airport. You can enjoy a university dormitory at a low price (<http://www.ciatu.tottori-u.ac.jp/en/students-housing-dormitory>). Tottori is richly endowed with nature, sea and mountains, and cultural heritage. We are looking forward to seeing you and talking with you!

As a reference, we introduce the Features of our Graduate School, Features and Curriculum of Program and Features and Curriculum of Program following.

Features of Graduate School

The Special Program (SP) is a two-year master's course program and belongs to the Graduate School of Sustainability Science, Tottori University. It is conducted also to serve as the pre-doctoral course of the United Graduate School of Agricultural Sciences of Tottori University (UGSAS) that focuses on the doctoral course.

Tottori University is internationally known for the Global Arid Land Science, mushroom science, horticulture of Japanese pear and many SP faculty members are engaged in the international human resource development program of the government of Japan conducted in collaboration with JICA. We have received over 250 participants from more than fifty countries in the technical training course on appropriate water and land management for sustainable dry land agriculture. Since the SP is being managed by the same researchers engaged in the international training programs, classes and practices of the SP are conducted in highly interactive manners.

Tottori University is the most reputed and the largest university in Tottori Prefecture. It has Faculties of Engineering, Medicine, and Regional Sciences, in addition to the Agricultural Faculty to which the Department of Agricultural Science of Graduate School of Sustainability Science belongs. The Faculty of Agriculture can date back to 1920 when its predecessor research and education institution, the Tottori Agricultural Collage, was established. In talking about the Collage's contribution to Japan's agricultural development, we can't fail to mention the research works conducted by them in coping with difficult conditions of the area, including sandy soils, low soil water retention, high evapo-transpiration during hot summer, salty winds from the sea, moving sand dunes onto the farms, etc. After overcoming many challenges, the Faculty embarked on the journey of international cooperation to work on dry land issues.

Many graduates of the Faculty and the Graduate School of Agriculture are already assuming good research positions at the universities in Asian countries, Japan and elsewhere, including Tottori University.

Features and Curriculum of Program

The Special Program (SP) is a two-year master's course designed for international students specializing in the Bioscience and Environmental Sciences, and it is managed by the Department of Agricultural Science of Graduate School of Sustainability Science, Tottori University. It is conducted also to serve as the pre-doctoral

course of the United Graduate School of Agricultural Sciences of Tottori University (UGSAS) that focuses on the doctoral course.

The Program is designed to offer academically advanced education in bio-resources, environmental foundation and management for agriculture in all areas of the world. The students are expected to learn basic and applied sciences related to these areas so that they will be able to identify appropriate measures in dealing with desertification and food supply issues.

A master course student has to earn more than 30 hour credits and write Master's thesis to obtain his/her degree in Master of Science. The classes and the advice in the SP are given in English by the faculty members belonging to three categories of the Graduate School: (a) Socio-Ecological Landscape Science, (b) Agronomy and Mushroom Science and (c) Bioscience, Biotechnology, and Agrochemistry. In this program, the professors belong to fungus/mushroom research center, filed science center, and department of veterinary science are also currently conducting education.

16-1 鳥取大学持続性社会創生科学研究科（国際乾燥地科学専攻）
Tottori University Graduate School of Sustainability Science
(Department of Dryland Science)

・候補者へのメッセージ・アピールポイント等 Messages for Candidates

Tottori University's main campus locates in a very convenient place, one-hour flight from Tokyo and a 15-minute walk from the Tottori Airport. You can enjoy a university dormitory at a low price (<http://www.ciatu.tottori-u.ac.jp/en/students-housing-dormitory>). Tottori is richly endowed with nature, sea and mountains, and cultural heritage. We are looking forward to seeing you and talking with you!

As a reference, we introduce the Features of our Graduate School, Features and Curriculum of Program and Features and Curriculum of Program following.

Features of Graduate School

The Special Program in English (SP) is a two-year master's course program and belongs to the Department of Dryland Science, Graduate School of Sustainability Science, Tottori University. It is conducted also to serve as the pre-doctoral course of the United Graduate School of Agricultural Sciences of Tottori University (UGSAS) that focuses on the doctoral course.

Tottori University is internationally known for the Dryland Science, and many SP faculty members are engaged in the international human resource development program of the government of Japan conducted in collaboration with JICA. Since the SP is being managed by the same researchers engaged in the international training programs, classes and practices of the SP are conducted in highly interactive manners.

We also organize side-events taking advantage of such publicized events, and Japanese and international students are encouraged alike to take part in the exhibition and presentation on such occasions.

Tottori University is the most reputed and the largest university in Tottori Prefecture. It has Faculties of Engineering, Medicine, and Regional Sciences. In April 2017, Graduate Schools of Engineering, Regional Science and Agriculture were united and Graduate School of Sustainability Science was established. This new Graduate School will allow students to acquire not only the knowledge, skill and practical abilities in their specialized field, but also, by utilizing the strengths and characteristics of Tottori University, thinking skills with higher perspective

regarding the creation of sustainability society. Such thinking skills will contribute to dealing with global and rural challenges by virtue of being based on broad knowledge beyond the boundaries of specialized field. As a result, the School will develop advanced professionals who can contribute to the innovations for creating a sustainable society in various work fields in Japan and overseas.

The various researches in the Department of Dryland Science originates from those in the Tottori Agricultural College established in 1920. In talking about the College's contribution to Japan's agricultural development, we can't fail to mention the research works conducted by them in coping with difficult conditions of the area, including sandy soils, low soil water retention, high evapo-transpiration during hot summer, salty winds from the sea, moving sand dunes onto the farms, etc. After overcoming many challenges, the research embarked on the journey of international cooperation to work on dry land issues.

Features and Curriculum of Program

The Special Program in English of the Department of Dryland Science (SP) is a two-year master's course designed for both Japanese and international students specializing in the Dryland Sciences, and it is managed by the Graduate School of Sustainability Science, Tottori University. It is conducted also to serve as the pre-doctoral course of the United Graduate School of Agricultural Sciences of Tottori University (UGSAS) that focuses on the doctoral course.

The Program is designed to offer academically advanced education in bio-resources, environmental foundation and management for agriculture in the dryland areas of the world. The students are expected to learn basic and applied sciences related to these areas so that they will be able to identify appropriate measures in dealing with desertification and food supply issues.

A master course student has to earn more than 30 hour credits and write Master's thesis to obtain his/her degree in Master of Agriculture or Master of Science. The classes and the advice in the SP are given in English by the faculty members.

16-2 鳥取大学大学院連合農学研究科

The United Graduated School of Agricultural Sciences, Tottori University

1. 教育研究に関する特徴

Features of UGSAS

■Organization of Faculty Members

The UGSAS is operated by the highly qualified academic staff of the participating Universities, Tottori, Shimane and Yamaguchi.

The academic staffs composed of are Professors, Associate Professors, Junior Associate Professors and Assistant Professors who are qualified as the major supervisors or associate supervisors for the Doctoral Course. In addition, research staffs at Japan International Research Center for Agricultural Sciences (JIRCAS)

participate as Invited Professors and Associate Professors of the UGSAS.

■Academic Advisors

Each student is supervised by three Faculty members: one Professor or Associate Professor as a major supervisor (they must be listed in the table 'List of Major Supervisors') and two Professors or Associate Professors as associate supervisors.

■Outline of Courses

• Bioproduction and Bioenvironmental Sciences

Agricultural Production Science

The major goal of this division is to develop systematic programs for agricultural production.

Managerial Economics

The major goal of this division is to investigate agricultural and forestry problems in national and international economies and the rational development of management organization.

Forest and Watershed Environmental Sciences

The major goal of this division is to analyze the conservation, regeneration and sustainable use of watershed environment systematically and comprehensively.

Environmental Bioscience

The major goal of this division is to develop ecologically sound practices that facilitate stable agricultural, forestry and fisheries production.

• Bioresource and Life Sciences

Fungus and Mushroom Sciences

The major goal of this division is to develop a wide range of advanced education and research on fungus/mushroom resource sciences.

Bioscience and Biotechnology

The major goal of this division is on molecular and cellular characterization and functional analysis of living organisms.

Applied Bioresources Chemistry

The major goal of this division is to develop advanced utilization of biological resources using chemical and biological techniques and tools (chemical biology).

• Global Dryland Science

Global Dryland Science

The major goal of this division is to enhance food productivity in dryland and to combat desertification in the world.

Features and Curriculum of Program

The coursework includes lectures and individual research conducted under the guidance of major and associate supervisors. All students are registered as students of Tottori University, but their coursework is mainly conducted in the graduate school of the major supervisor. In addition, students are able to use the facilities and equipment of the other two universities.

The educational system has changed from a seminar system to an academic credit system since FY 2008. A student must acquire at least 14 credits and pass the doctoral thesis review along with a final examination.

In order to attain a doctoral degree, the student is required to have two or more papers published in journals issued by professional societies (in the case of joint authorship, the student must be the first author).

2. 候補者へのメッセージ・アピールポイント等 Messages for Candidates

The United Graduate School was founded as an independent three-year doctoral course at Tottori University. The participating Universities are the graduate schools (Master Course) of three Universities, Tottori, Shimane and Yamaguchi, in the Chugoku district of Japan. In addition, the School cooperates with Incorporated Administrative Agency, Japan International Research Center for Agricultural Sciences (JIRCAS) for promoting education and research activities.

We are looking forward to seeing you and talking with you.

16-3 鳥取大学大学院共同獣医学研究科 Tottori University Joint Graduate School of Veterinary Sciences

・候補者へのメッセージ・アピールポイント等 Messages for Candidates

This Graduate School promotes advanced research in a wide range of fields on animal and human health including the health of the ecosystem, as well as training veterinary science educators and researchers, who can contribute to advanced veterinary science. We also have the philosophy of education research to train veterinary science specialists with advanced knowledge and technology, and expertise and ethics, who can take a leading role in international and regional societies. With this philosophy, we are aiming to contribute to maintaining and developing a prosperous society by producing advanced veterinary science specialists who have acquired both academic and practical skills in these fields as Animal hygiene and public health specialists, One Health(*) specialists, or Treatment of intractable diseases and drug discovery specialists.

*The concept of integrating people, animals, and the environment to view health on a global scale