

Graduate School of Sustainability Science

Department of Dryland Science



***Be the change for drylands.
Make changes in our future.***



Message from the dean of Graduate School

Dean of Graduate School of Sustainability Science,
NAKAJIMA Hiromitsu

With the progress of globalization and the breathtaking development of information and communication technology, society has been transformed into one in which people, goods, money, and information come and go at tremendous speeds beyond national boundaries, and all of us have to constantly adopt new information and technologies. In Japanese society, we have quite a few problems accompanying the declining birthrate and aging population, including the increase in medical welfare costs and the decrease in the productive-age population. The role of higher education institutions, especially the Master's Course is to train human resources who can make firm contributions to society through specialized fields in this rapidly changing, unpredictable, and highly competitive world. To that end, it is essential to have an educational framework in which students can steadily acquire not only advanced intensive knowledge and skills in their specialized fields, which have been provided in past graduate school educational programs, but also the thinking skills to approach challenges in a comprehensive manner from an eclectic and global perspective based on extensive cross-disciplinary knowledge and experience.

The Graduate School of Sustainability Science of Tottori University aims to develop high-level specialist professionals who can contribute to the creation of a sustainable society. To achieve this goal, we have designed our curriculums carefully for students to steadily acquire the ability to think holistically from an eclectic and global perspective with a wide range of knowledge and experiences crossing over disciplines, as well as highly specialized advanced knowledge and skills that have already been acquired.

Furthermore, our school emphasizes the study and improvement of comprehensive skills ranging from identification and analysis to solutions and presentations of the solutions.

Our school aims to develop human resources who can contribute to solving issues that the world and Japan currently face or will face in the near future.

● Department and the position available

Department	Position available
Department of Regional Sciences	20
Department of Engineering	165
Department of Agricultural Science	46
Department of Dryland Science	20

The Graduate School of Sustainability Science (Master's Course) has a structure to provide a systematic and organizational graduate school education to support the development of a sustainable society beyond the boundaries of existing specialized fields. The Graduate School consists of the four major departments, viz., regional sciences, engineering, agricultural science, and dryland science, in order for students to deepen their expertise based on an understanding of a wide range of issues.





Message from the head of Department of Dryland Science

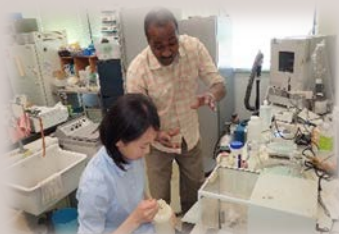
Head of Department of Dryland Science,
YAMANAKA Norikazu

Department of Dryland Science in Graduate School of Sustainability Science of Tottori University is a new department started from FY 2017, and it is based on the Graduate School of Agriculture, which was established in 1967. Based on the strengths and characteristics of Tottori University with the study of drylands, it aims to train international people who can contribute to solve global problems.

Drylands occupy 41% of the land areas of all over the world and about 35% of the world population lives there. Besides, there are global issues such as desertification and drought in drylands. These are common issues to all human beings, and consequently it is necessary that people all over the world cooperate to solve. There is no dryland in Japan, but Japan is a signatory country to the United Nations Convention to Combat Desertification (UNCCD), which is the international treaty, and we have been working on problems in drylands as a member of the international community.

In order to solve environmental problems, food problems, etc. arising in drylands, it is required to acquire knowledge and skills on agriculture, environmental conservation etc., as well as to acquire knowledge on diverse cultures and the quality of life of residents. For this purpose, this department has two courses, the general program and the special program in English. General program is basically a course to learn in Japanese. In the special program in English, all lectures and research guidance etc. are conducted in English, and it is also a course that international students and Japanese can learn together.

In this way, Department of Dryland Science will train human resources who can act to create a sustainable society in harmony with nature from a global perspective. We have been waiting for everyone who is interested in various problems occurring in the world and wishes to contribute themselves for solving these problems.



● Educational features of Department of Dryland Science

➤ Different approaches to learning at two programs

Department of Dryland Science has general program and special program in English. General program will develop human resources to solve the issues occurred in drylands by utilizing their knowledge on their major fields. Special Program in English which provides courses and research guidance in English will cultivate human resources who will be able to practically work overseas.

➤ Overseas exercises and high-quality lectures by international professors

Department of Dryland Science will develop people who can actively work overseas and experience the fields of overseas by taking Top-Scientist Lecture I,II,III and IV by international professors and Overseas Practice Exercises which are the department's major subjects.

A part of courses
(Special Program in English)



Course title	Instructors	
Common subjects	Researcher Ethics International Exchange and Cross Cultural Understanding	
Core subjects in major subjects	Top-scientist Lecture I Scientific Writing Scientific Writing Advanced	
	Advanced subjects in major subjects	Advanced Theory of Dryland Development Advanced Theory of Land Management in Drylands Advanced Theory of Dryland Plant Resources
	Overseas Practice Exercises Domestic Practice Exercises	A.Yoshino K.Cates P.Billi F.Peng P.Billi A.Tsunekawa, M.Tsubo N.Haregeweyn H.Tsujimoto, P.An, T.Ishii Head of Department Head of Department

● Access / Contacts

Department of Dryland Science has two campuses; Tottori Main campus, Hamasaka campus. Education is provided on both campuses. In addition, administrative offices are located in both campuses. Here, you can find access information to each campus.



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