Agriculture and Rural Development

[Outline of University Program]
The course develops specialized human resource for the irrigation farming and farming support, collective development at the local level and for the promotion of agri-businesses. Then, utilizing Japan's rich experience in the paddy-field agriculture and the water resource management, we aim at improving abilities relating to revitalization of agricultural and rural village economies, water resource development and maintenance of irrigation facilities, the sustainable forest resource management, and extensive problem solving concerning the agriculture and forestry sector.

For further info, please refer page 10 of this Application Guideline.

Kyushu University
Graduate School of Bioresource and Bioenvironmental Sciences
The closing date for Application: October 24th (Wed), 2012 (4:30 p.m.)
In addition, a number of institutes in Kyushu University, but independent from the Faculty of Agriculture, have also merged with the Graduate School of Bioresource and Bioenvironmental Sciences; namely, the Biotron Institute, the Institute of Tropical Agriculture (in part), and the Bio-Architecture Center.

The Graduate School of Bioresource and Bioenvironmental Sciences consists of 4 departments (5 departments in case of Doctor’s course), each of which comprises 1 to 4 educational courses including over 60 laboratories (http://www.agr.kyushu-u.ac.jp/agr_inter/departments.htm) covering various fields of agriculture, forestry, fishery, animal science, and agricultural economics.

The current enrollment of the students is 1,662 of which 995 are undergraduate and 667 graduate students (as of April, 2012). More than 190 international students, mostly graduate students, have come to study from various countries.

Currently, the total number of the faculty members and staff members is 288, of which the number of full-time academic researchers is 193 including 65 full-professors, 72 associate professors and 56 assistant professors.

4. Features of Program

The International Development Research Course (IDRC) aims to build on the capacity of the various individual fields for international students from developed and developing countries whose aim is to contribute to worldwide sustainable development in overall food, agriculture, and environmental sciences. The Master’s program emphasizes the acquirement of synthetic and practical abilities.

The IDRC is conducted under a 2 semester system, starting in October with the autumn term and followed by the spring term, unlike the standard course which is taught in Japanese and commences in April. On completing the courses, students will be awarded a Master of Science (M.Sc) degree. The common features of the Master’s program are as follows:

(1) Thesis work is carried out in English. Since the course is designed for international students, all classes and thesis work are carried out in English.
(2) Students are expected (but not required) to learn the Japanese language during the course of their studies. This is for bettering communication in their everyday life.
(3) Theses should be based on research conducted during the course, and on completion, should be submitted to the Graduate School of Bioresource and Bioenvironmental Sciences at Kyushu University. If the examiners’ requirements are satisfied, an appropriate degree is to be awarded to the successful student.

Students will be awarded the Master of Science (M.Sc) on completion of their individual satisfactory theses. The MS Students are also required to complete a four-semester course over a two-year period. The course consists of lectures, laboratory experiments, seminars, and tutorials. Each MS student must obtain 30 credits with a minimum passing grade of 60 %.

The Master’s Course in the program is a 24-month intensive full-time course consisting of several block modules given in English and research for thesis. The semester begins in October.

5. Necessary Curriculum to Obtain the Degrees

-Module Subjects-
(http://www.agr.kyushu-u.ac.jp/english/international/graduate/overview/master/)
Fundamentals of Agricultural Sciences
Biological Resources: Utilization and Conservation
Soil and Water Environments in Agriculture

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International Rural Development
Advanced Technology in Agriculture
Food Science and Food System
Special Lecture on International Development I
Special Lecture on International Development II
Special Lecture on International Development III
Special Lecture on International Development IV
Domestic-International Field Training

-Specialized Subjects-
Agricultural Bioresources Sciences
Animal & Marine Bioresource Sciences
Forest and Forest Products Sciences
Bioproduction Environmental Sciences
Agronomy and Environmental Sciences
Agricultural and Resource Economics
Molecular Biosciences
Systems Biology
Applied Molecular Microbiology and Biomass Chemistry
Food Science and Biotechnology

-Compulsory Subjects-
Master’s Thesis Research I
Master’s Thesis Research II
Seminar in a Specified Field I
Seminar in a Specified Field II
Seminar in a Specified Field III

6. Academic Schedule
1st year Fall (October – March)
Entrance ceremony (October)
1st year Spring (April – September)
2nd year Fall (October – March)
2nd year Spring (April – September)
Defending your master's thesis
Oral presentation (June or July)
Graduation ceremony (September)

ACTIVITIES
Scientific Tour
May 22: Planting rice in terraced paddy fields (Ukiha town, Fukuoka)
July 18: Integrated rice and duck farming (Mr. Takao FURUNO’s farm, Keisen town, Fukuoka)
A two-day trip to Aso Volcano areas to learn about agricultural activities.

Seminars
Hybrid Rice & Agro-ecosystem
International academic conferences
Special seminars by invited lecturers
etc.
7. Facilities

-Departments-
Applied Genetics & Pest Management,
Agricultural & Resource Economics,
Plant Resources,
Bioproduction Environmental Sciences,
Bioscience & Biotechnology,
Forest & Forest Products Sciences,
Animal & Marine Bioresource Sciences,
Genetic Resources Technology

-Attached Institutes-
University Farm,
University Forest,
Fishery Research Laboratory,
Institute of Biological Control Institute of Genetic Resources,
Kuju Agricultural Research Center

-Relating Institutes-
Biotron Institute,
Institute of Tropical Agriculture,
Bio-Architecture Center

-Other Facilities-
International Student Center
University Central Library
The Education & Health Care Division of the Institute of Health Science
Kyushu University International Students House

-International Student Center-
Kyushu University also has an International Student Center. Several international students programs are held throughout the year, allowing you to meet and talk with people from all over the world. It is also possible to enroll in Japanese language classes at the Center.

-University Central Library-
The University Library consists of three general libraries, the largest of which is located right across the road from the International Student Center. The International Salon on the second floor is equipped with 40 personal computers for the use of students and staff. In the International Corner on the third floor, satellite broadcasting in Chinese, Korean and English is also available. Computers and Internet access is possible from 9:00am to 5:00pm on weekdays in the computer room. Computer facilities are also available in the Central Library.

-The Education & Health Care Division of the Institute of Health Science-
The Education & Health Care Division of the Institute of Health Science (IHS) offers physical and psychological care service, the counseling and guidance of all students and staff members of Kyushu University. The branch office of the Institute is located in the Hakozaki Campus.

-Accommodation-
Students enrolled on the Course are guaranteed a furnished single room with a private bathroom and balcony at the Kyushu University International Students House (KUISH) for the first 6 months after arrival at Kyushu University. KUISH is a self-catering hall located 3 km east of the main Hakozaki campus. Access to Hakozaki campus is possible by bus (a 14-minute ride) or bike (about 20 minutes), with cheap bikes being freely available.
8. List of faculty members capable guiding JDS students

○ Atsushi Yoshimura: Professor, Department of Applied Genetic and Pest Management
○ Eiichi Kuwano: Professor, Department of Applied Genetic and Pest Management
○ Masami Takagi: Professor, Department of Applied Genetic and Pest Management
○ Keiji Takasu: Associate Professor, Department of Applied Genetic and Pest Management
○ Takashi Yuasa: Associate Professor, Department of Plant Resources
○ Ken-ichi Tsuchiya: Professor, Department of Applied Genetic and Pest Management
○ Hiroshi Okubo: Professor, Department of Plant Resources
* Kazuo Ogata: Professor, Tropical Agricultural Research Center
○ Katsumi Imaizumi: Trustee(Vice President)
○ Hirofumi Tachibana: Associate Professor, Department of Bioscience and Biotechnology
○ Ryuichi Tatsumi: Associate Professor, Department of Bioscience and Biotechnology
○ Noriyuki Igura: Associate Professor, Department of Bioscience and Biotechnology
○ Takahisa Miyamoto: Professor, Department of Bioscience and Biotechnology
○ Ken-ichi Honjoh: Associate Professor, Department of Bioscience and Biotechnology
○ Takaumi Gotoh: Associate Professor, Department of Plant Resources
○ Yoshiyuki Yabe: Professor, Department of Agricultural and Resource Economics
○ Shigejiro Yoshida: Professor, Department of Genetic Resources Technology
○ Nobuya Mizoue: Associate Professor, Department of Forest and Forest Products Sciences
○ Shigejiro Ohshima: Professor, Department of Genetic Resources Technology
○ Mako Nakamura, Associate Professor, International Student Office

* JDS Program Committee members.

The supervising professors for JDS students are determined in April 2013. We read their report and discuss which laboratory is suitable for each JDS student and decide his/her laboratory and supervising professor.

9. Message for Applicants

The Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, is proud of its global top level of international education system for agricultural sciences, and the International Development Research Course for the Master's students has been in service in the Graduate School since 1991. In this Course, all the classes and theses are conducted in English. The JDS Program for the Master's has been with us in the Course since 2001. In this Program, some scientific tours for the JDS students have been offered from time to time during the two year Master course period for each student. The aims of these tours are to promote a greater understanding of policies, circumstances, and technologies in Japanese agriculture. People in Cambodia need specialists in agriculture such as in production, infrastructural development of farmland, organization of various facilities, conservation of environment, and management of
forest resources. At our Graduate School, we have had three JDS students from Cambodia every year since the 2002 program, and our professors have been working hard to provide them with affluent academic knowledge and pragmatic experiences, so that the JDS students can contribute for further development of Cambodia when they go back home after their graduation.