

Course Number	06075
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2006 「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Courses for International Students～

【1. Profile of the University】

①University Department	The United Graduate School of Agricultural Sciences Ehime University		
②President	KOMATSU Masayuki		
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④Contact	Division	International Center Leader International Student Service Team	
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⑤Web-Address	<a href="http://web.agr.ehime-u.ac.jp/~rendai/">http://web.agr.ehime-u.ac.jp/~rendai/</a>		
⑥Enrollment (only GraduateSchool)	174 (including 107 MEXT Scholarship Students)		

【2. Outline of the Course】

①Course	Tropical and Subtropical Agriculture and Related Sciences
②Degree	Doctoral degree: 3 years
③Graduate Course, Department	The United Graduate School of Agricultural Sciences Ehime University Bioresource Production Science Course
	(Address) 3-5-7 Tarumi, Matsuyama, Ehime 790-8566 Japan
④Collaboration (Universities, Graduate courses, Departments)	The United Graduate School of Agricultural Sciences Ehime University Bioresource Production Science Course Kagawa University, Kochi University
⑤Quota	7 (includes 4 MEXT Scholarship Students) (includes 0 Japanese students)
⑥Faculties	175 (Full-time(only for this course): 1, Full-time(at the department offering this course): 174, Part time: 0)
⑦Representative of the Course	Dean, The United Graduate School of Agricultural Sciences Ehime University
	Name Dr. OHBAYASHI Nobuo

### 【3. Contents of the Course】

#### 1. Purpose

Population and the accompanying food problems, the destruction and pollution of the environment, these problems and others that will influence the future of the earth have put developing countries in a more serious condition than advanced countries. Asia and the tropical and subtropical countries are especially subject to the accumulation of salts due to the heavy use of chemical fertilizers and pesticides, and to a resulting increase of pests more resilient to pesticides. Unbalanced growth has led to environmental pollution and many other difficult problems. There is an urgent need in these countries to train researchers with a high level of knowledge and skills. From 1990 the United Graduate School of Agricultural Sciences, Ehime University, has received priority as the site for the Special Three-year Program for International Students in Tropical and Subtropical Agriculture and Related Sciences. In fact, the high rate of doctoral degrees awarded and the high level of positions that former students take reflect the success of our program. Now, with the establishment of this renewed 'Special Program' and taking into consideration our past achievements, we plan to continue to develop this special course targeting scientists from tropical and subtropical regions.

#### 2. Contents and Special Features

(1) In this program, as a rule, we are targeting scientists who are engaged in research in their own countries and, as a result, the international students who enter this program have an awareness of the inherent problems of their own regions and a clear purpose, and with the international perspective of our academic faculty, mutual understanding among countries is deepened and this is related to a heightened ability to compete on an international level. With such students it is possible to expect a high level of scholarship.

(2) Given that the students who want to enter this program have research subjects which focus mainly on tropical and subtropical regions include developing countries, then, as a result, this program helps to raise the level of research and skills, thus making an international contribution.

(3) International students who have received their degrees have a strong possibility of getting positions in respected academic or research institutions in their countries. This increases the opportunities for joint research projects and building an increasingly worldwide network.

#### 3. Education and Guidance System

(1) Research is carried out under the guidance of one supervisor and two co-supervisors one of whom is located at one of the other two universities.

(2) Each of the three universities has an Education/Research Coordinator whose job is to provide support for the students using progress reports submitted by both the students and supervisors each year to identify and deal with any problems that arise.

(3) As for education, in consideration of the problem of becoming limited to one's own research, students are required to attend special seminars given by professors in various fields to provide the opportunity to gain knowledge outside their own narrow fields of study.

#### 4. Language

(1) As a rule, instruction is given in English. The required 20-hour joint seminar and the 40 hours of special seminars are held mostly in English.

(2) In everyday life in Japan, some knowledge of Japanese is necessary. For that purpose, Japanese language classes are provided at each university.

#### 5. Student recruitment, target countries and selection system

(1) Recruitment is carried out by sending application information to universities and other institutes in the target countries and requesting recommendations directly from those institutions. Members of our faculty also actively encourage promising researchers from among those they have worked with on joint

research projects to apply.

(2) Applicants should contact in advance the professor whom they wish to study under and then send their application through the head of their institution.

(3) The target countries are: Argentina, Bangladesh, Brazil, Chile, China, Costa Rica, Egypt, Ghana, India, Indonesia, Kenya, Malaysia, Mexico, Nepal, New Zealand, Pakistan, Papua New Guinea, Philippines, Singapore, South Korea, Sri Lanka, Sudan, Thailand, Vietnam, etc.

(4) The selection at UGAS-EU is made considering, the applicants' research activities, whether or not their institution has a partnership with us, a report of communication with the prospective supervisor, an interview, etc. These are all reviewed according to a point system and those with the highest points are selected.

#### 6. Follow-up of students after they have received their degree.

(1) Reviewing the past record of this program, of the 73 people who received doctoral degrees, 43 have university positions in their countries and 23 are working in national research institutes. We anticipate this trend to continue into the future. In this way, as many of our graduates return to high level educational positions in their countries, we can expect that they, in turn, pass on to their students the technology and advanced knowledge they gain here.

(2) After the students leave our program, communication will be maintained via their former supervisors and we expect an international network to grow through joint research projects. We are also actively making use of the Japan Student Services Organization program which provides funding to bring former international students back for a short stay to deepen our contacts.

#### 7. Inspection and evaluation system

(1) All students are required to submit a Research Progress Report each year in which a record of conference presentations, publication of papers, seminar attendance, progress in writing the doctoral thesis, a self evaluation of the past year's study and a research plan for the next year are included. The students can also voice requests of their supervisors at this time. The supervisor, likewise, is required to submit a Research Progress Report for the student at the end of each year. Each of the participating universities has an Education/Research Coordinator who use these reports to evaluate the progress of each student and check for problems, working with the supervisor when necessary. If there is a need for improvement it will be brought up at the Representative Committee to determine a solution.

(2) After receiving the doctoral degree, regular contact will be maintained with former students to follow their activities and to evaluate the success of the program.

#### 8. Other features

At the UGAS-EU, guided research with no set curriculum has been the basic educational approach. However, we are now planning to introduce a credit system beginning in 2009, and we are moving towards our goal of creating a curriculum for more substantial graduate school education. As a step in this direction, a new educational program was inaugurated in 2006. This mandatory program, held in English, offers a 20-hour joint seminar and 40 hours of special seminars, in addition to the mid-term presentation which is required in order to submit the doctoral thesis.

A competitive program is also offered in which students apply for funding to present at an international conference or to organize a research project. While instilling a more international consciousness in the students, the experience of coordinating a joint research project will promote leadership skills.