Course Number	07007

2007 「The International Priority Graduate Programs (PGP)」

~Advanced Graduate Courses for International Students~

【1. Profile of the University】

<table>
<tr><td>①University Department</td><td colspan="5">Kyoto University, Graduate School of Informatics</td></tr>
<tr><td>②President</td><td colspan="5">OIKE Kazuo</td></tr>
<tr><td>③Address (Headquarters)</td><td colspan="5">Yoshidahonmachi, Sakyo-ku, Kyoto, 606-8501, Japan.</td></tr>
<tr><td rowspan="3">④Contact</td><td>Division</td><td colspan="4">Foreign Student Division, Education supporting group</td></tr>
<tr><td>Contactperson's Name</td><td>NAKAMURA Yoshiyuki</td><td>e-mail</td><td colspan="2">y-nakamu@mail.adm.k.yoto-u.ac.jp</td></tr>
<tr><td>TEL/FAX Number</td><td colspan="4">(TEL)+81-75-753-2489, (FAX)+81-75-753-2562</td></tr>
<tr><td>⑤Web-Address</td><td colspan="5">http://www.kyoto-u.ac.jp/</td></tr>
<tr><td>⑥Enrollment (only GraduateSchool)</td><td colspan="5">1069 (include MEXT's Scholarship Students: 479)</td></tr>
</table>

【2. Outline of the Course】

<table>
<tr><td>①Course</td><td>International training program for young ICT researchers</td></tr>
<tr><td>②Degree</td><td>Doctoral Program(3 years)</td></tr>
<tr><td>③Form</td><td>Execute it under one university</td></tr>
<tr><td rowspan="2">④Graduate Course, Department</td><td>Department of intelligence Science and Technology, Graduate School of Informatics</td></tr>
<tr><td>(Address) Yoshidahonmachi, Sakyo-ku, Kyoto</td></tr>
<tr><td>⑤Collaboration (Universities, Graduate courses, Departments)</td><td>Department of Social informatics, Department of Applied and Complex Dynamical System, Department of Applied Mathematics and Physics, Department of System Science, Department of Communications and Computer Engineering.</td></tr>
<tr><td>⑥Quota</td><td>12 (include MEXT's Schlorship Students: 8)
(include Japanese : 0)</td></tr>
<tr><td>⑦Faculties</td><td>129 (Fulltime:116 Fulltime(other department):13 Parttime: 0)</td></tr>
<tr><td rowspan="2">⑧Representative of the Course</td><td>Job Title: Graduate School of Informatics, Professor</td></tr>
<tr><td>Name Shinji Tomita (Dean)</td></tr>
</table>

【3. Contents of the Course】

<The Purpose of this Program>

We establish "International training program for young ICT researchers" at the Graduate School of Informatics, Kyoto University. We encourage the training of talents with knowledge and skills in special fields as the ICT (Information & Communication Technology) policy(so called "u-Japan policy"). In this program, we aim to train young scholars who have high level research abilities in special fields, expert knowledge in the ICT field, and excellent communication skills to contribute to the world globally.

<Content and Features>

We have been selected as the 21st century COE program and the attractive graduate school education initiative program because of the accomplishment that we have widely contributed to research and education. We also have a sophisticated educational system that there are approximately 120 of faculty and staff who cover all the fields of informatics and provide the cutting-edge research instructions for international students from many different countries.

In our program, in addition to conventional approach, research instructions are provided to students in English for a doctoral dissertation in relevant special fields; we realize a research instruction system with the broad point of view through using the cooperative graduate school system which invites other faculty, researchers, and practice experts from various countries as advisors to support students. Also, by having seminars for the improvement of strategic communication skills for international students and Japanese students (In the attractive graduate school educational initiative in 2006 and 2007, we have created teaching materials with Berlitz and NHK), we attempt to improve communication skills of young scholars. Moreover, we also offer for students to become Teaching Assistants (TA's) to support a part of lecture and discussion class, so that they can be educated to be future instructors and encourage the interactions among students.

In the Global COE (Research institutions of informatics education for knowledge sustainable society), supported by Department of Social informatics, we plan to accept 12 international students every year for Doctorial Program. Those international students who participate in this institution can receive around 1,300,000 yen for their research as a salary of Research Assistant (RA). The support from the Global COE is available for international students with brilliant research abilities who aren't selected as MEXT's Scholarship Students. The Global COE establishes "the bilingual office" on campus to assisting international post-doctors and researchers for a short term, and a long term stay. Those students who join this program also can get supports from "the bilingual office". After completing a degree, outstanding students can continue their research at the global COE educational research center if they intend to do so.

<Education and Supervision>

(1)Lectures in English

We provide a comfortable research environment for international students by giving seminar lectures for seminar in English. Advisors, who are also English speaking, provide a good communication network for students. Seminars are all English-based classes, so no high Japanese skill is required.

(2) Plural advisors system

Students are encouraged to have their advisors from all over the world. Obtaining knowledge and advises from the experts in various field opens up student's view. Many of professors and researchers from the Global COE are willing to be advisors fro international students.

(3)Special Lecture

Students will have a lot of opportunities to listen to lectures of guest-speakers invited from overseas, post-doctors, and so on. They are all active in their field. International students are encouraged to attend the "Special Lecture" to obtain the wide knowledge in ICT. "Special Lecture" is a well-organized lecture sessions supported by the Global COE, that creates a wonderful education environment for prospective ICT researchers.

(4)Keihanna-Graduate School-alliance

Since 2007, a project so called "Keihanna-Graduate School-alliance" has been started. Kyoto University, Osaka University, Nara University have been associated with local companies in Keihanna area such as NTT communication, NICT, and ATR. Students are encouraged to have their advisors from this alliance.

(5)Seminars for the improvement of strategic communication skills

It is increasingly important for young scholars in the ICT field to have not only the abilities of research development but also, the skills that allow them to communicate with people smoothly. Therefore, in this program, we encourage young scholars to gain communication abilities in both Japanese and English by offering "Seminars for the improvement of strategic communication skills" for both Japanese students and international students, supported by Berlitz and NHK.

〈Language used in this program〉

English and Japanese (We mainly use English for those students who do not have enough abilities to follow Japanese)

〈The way of recruitments, object countries, the way of selection of students, etc.〉

We recruit students who have already graduated or expected to graduate from their Master's program.

The selection committee makes a decision in the selection of students based on several materials such as recommendations from professors at their graduate universities, the list of achievements, papers, the list of academic records, the record of ongoing research, and the plans for Doctoral Program. Also, if necessary, we have an interview with applicants through either a web camera or an e-mail.

By cooperating with the system of acceptance of international students in Doctoral Program, supported by the Global COE, we also start selecting students even before the application period to save talented international students as early as possible.

〈Future courses and achievements after the completion of the program and the follow-up system.〉

After they receive doctoral degree (Ph.D.), they contribute to research as top researchers in their countries. They also play a significant role as an educator and a researcher who provide sophisticated education to their students.

In addition, it is highly expected that they dedicate themselves into contributing to research institutions as a researcher in Japan.

Especially, if desired, brilliant international researchers can continue their research at the Global COE as a post doctor for a certain period.

A possible accomplishment that they can expect after the COE program is that they can become global researchers with excellent communication skills, who can succeed in many other countries. As a result, this is their way of collaborating with our laboratory in order for the institution to send out our work to all over the world.

They also play a part in the promotion of a global network of researchers and international research cooperation.

As the follow-up system, they become the members of the alumni association and we provide them the information about the progress of our laboratory and international symposiums to develop a global human network even after they go back to their countries as well.

As one of our programs, we will build many new institutions in other places such as Silicon Valley in the United States, Bangkok in Thai,and Beijing in China. In the future, they have an opportunity to stay at those institutions. This will help them to determine their future plans and support their academic careers.