

Course Number	06035
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2006 「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Courses for International Students～

【1. Profile of the University】

①University	Kyoto University		
Department	Graduate School of Engineering,		
②President	OIKE Kazuo		
③Address (Headquarters)	〒606-8501 Yoshida-Honmachi, Sakyo-ku, Kyoto		
④Contact	Division	Foreign Student Division	
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	TEL/FAX Number	+81-75-753-2489(TEL), +81-75-753-2562(FAX)	
⑤Web-Address	http://www.kyoto-u.ac.jp/		
⑥Enrollment (only Graduate School)	1,020 (include MEXT's Scholarship Students:446)		

【2. Outline of the Course】

①Course	International Doctoral Program in Engineering
②Degree	Doctoral degree, Three years
③Graduate Course, Department	Graduate School of Engineering, Department of Civil and Earth Resources Engineering (Address) Kyoto-Daigaku-Katsura, Nishikyo-ku, Kyoto 615-8530, JAPAN
④Collaboration (Universities, Graduate courses, Departments)	Urban Management Dept., Urban and Environmental Eng. Dept., Architecture and Architectural Eng. Dept., Mechanical Eng. and Science Dept., Micro-Eng. Dept., Aeronautics and Astronautics Dept., Nuclear Eng. Dept., Materials Science and Eng. Dept., Electrical Eng. Dept., Electronic Science and Eng. Dept., Material Chemistry Dept., Energy and Hydrocarbon Chemistry Dept., Molecular Eng. Dept., Polymer Chemistry Dept., Synthetic Chemistry and Biological Chemistry Dept., Chemical Eng. Dept.
⑤Quota	21 (include MEXT's Scholarship Students: 15) (include Japanese :)
⑥Faculties	284 (Full-time(only for this course):257 Full-time(at the department offering this course):4 Part time: 23)
⑦Representative of the Course	Job Title Dean of the Graduate School of Engineering Name NISHIMOTO Sei-ichi

【3. Contents of the Course】

1. Mission Statement

The objective of the International Doctoral Program in Engineering is to attract the most talented and motivated candidates from around the world and nurture international people who can contribute to the global development of scientific techniques with their pioneering research, education and teaching skills, by cultivating their capabilities in the world's highest level environment for education and research.

In particular, we are looking to nurture “Total Engineering” researchers who will combine their individual expertise of the world's highest research standard, with a broad knowledge across all fields of engineering.

Moreover, in coordination with other programs to substantiate graduate education in the School, we will establish a system where talented researchers will be trained and supported strategically so that they will be able to contribute to the formation of international “human resource”, while building a collaboration of skills and research between Japan and their country of origin.

2. Program Contents

A wide-ranging curriculum is offered to candidates, who will receive individual guidance to aid in their doctoral thesis on leading-edge research topics, as well as specific guidance in various research fields including a broad cross-section of engineering fields outside of the candidate's immediate specialty area. In order to assist in obtaining a degree within the standard course period, a rigorous guidance program is made available to the candidate from the time of admission, and a substantial graduate education program is provided. Furthermore, in addition to this type of curriculum, measures have been put in place by the Graduate School of Engineering to strengthen the support offered to international students during both the period of their studies and even following graduation.

3. Program Features

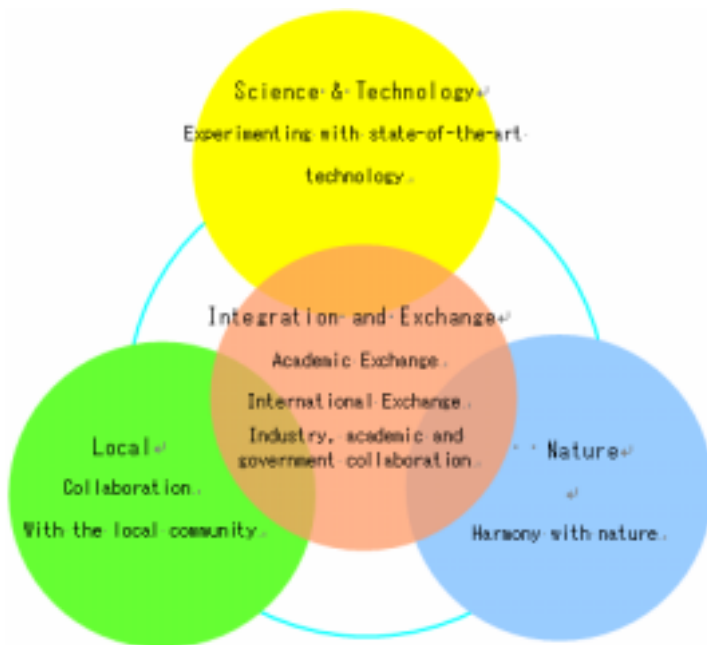
(1) World-leading centre for cutting-edge science and technology research

This graduate school has a strong international track-record, and comprises 17 departments which cover almost all fields of Engineering. Furthermore, at Katsura Campus a barrier free environment has been created to promote exchange between academic fields, foster international exchange with universities around the world, and to cultivate joint research with industrial and government research bodies and the community in general. Katsura Campus has developed into a research center for providing the community with the fruits of creative and cutting-edge technology, centered on the aforementioned international amalgamated creative centers and Katsura In'tech Center, and aided by partnerships with the Kyodai Katsura Venture Plaza and Innovation Plaza Kyoto located in the neighboring Katsura Innovation Park.

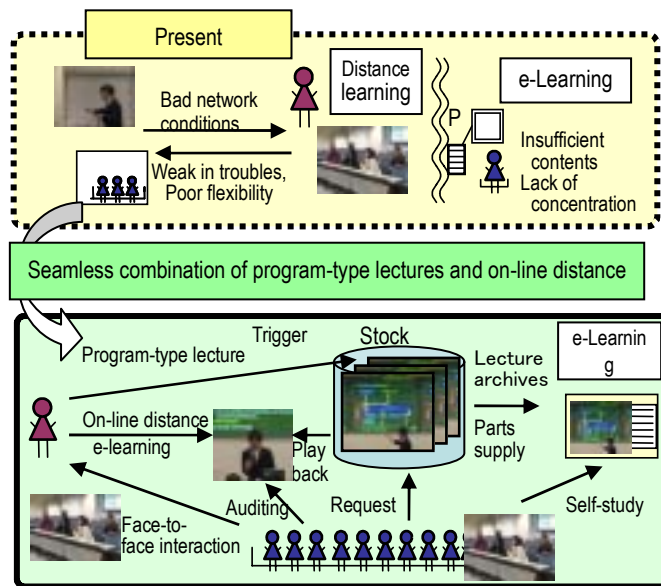
A variety of exceptional International students are sought from countries around the world including both developed and developing countries.

(2) Historical Environment

Possessing a vast array of cultural and historical national icons, Kyoto provides an unparalleled environment for hosting international students. Students can experience the history and culture of Japan on a day-to-day basis, allowing for a rich international exchange experience.



(3) Excellent track record with exchange



Concept of the hybrid e-Learning system

The Graduate School of Engineering currently has research exchange agreements with engineering bodies at 33 universities, and this number is likely to increase in the future. Many exchange agreements have also been concluded at the department level, with exchange promoted not only between academics, but also between students. In addition to this, Core University Program exchanges with Malaysia (JSPS-VCC) and China (JSPS-MOE) have been established, and programs such as the JSPS Core-to-Core Program, E-learning lectures between the University of Malaya, Tsinghua University and Kyoto University Graduate School of Engineering, and activities of the donated university course established at Tsinghua University's Shenzhen Campus as an educational core, have been undertaken.

4. Education and Research Guidance

(1) Guidance

Immediately following admission, students are assigned to a research laboratory to learn technical procedures and fundamental knowledge related to their specific field, and to carry out research toward their doctoral thesis. Through the guidance of a supervisor and other laboratory staff, and together with various specialty lectures, comprehensive leading-edge research supervision is provided to assist students in carrying out their individual specialized research. Furthermore, individual counseling and orientation is provided for students through the assistance of dedicated educational staff at the Graduate School of Engineering.

(2) Curriculum

The Graduate School of Engineering offers 9 lecture courses (18 units of credit) taught in English covering multidisciplinary Engineering topics. Therefore, students can complete the 6 units of credit required to satisfy the lecture component of their doctoral course by attending only English lectures should they wish to do so. Furthermore, the Graduate School of Engineering, with a wide range of Engineering-related research fields, and staffed by world-leading academics with backgrounds in multiple disciplines, also offers unique lectures that transverse multiple fields.

In addition to the Japanese language courses offered by the Kyoto University International Center, the Graduate School of Engineering offers its own Japanese language courses (elementary course, upper elementary course) as part of the International Doctoral Program in Engineering.

Furthermore, study tours are offered to international students in order to provide a deepened understanding of Japanese technology and culture, and with a view to motivating students in their Engineering studies and research. Exchange events are also held at the department level to promote friendship amongst international students as well as between international and Japanese students.

5. Language

English (Thesis supervision will be provided in English)

6. Application and Selection Process

(1) Application Process

Information regarding research and courses, as well as application materials can be obtained via the Graduate School's website: (<http://interex.kuee.kyoto-u.ac.jp/IntC/ic-doctor.html>). In addition to document-based advertising for candidates, promotion of the course is also carried out overseas via the Graduate School of Engineering's international exchange activities, overseas offices, and through the personal networks of staff members.

The deadline for preliminary application is the end of November, 2006, and the deadline for full applications is the 12th of January 2007.

(2) Selection Process

A rigorous selection process is carried out by the Committee for the International Doctoral Program in Engineering considering each candidate's background academic ability, language skills, field-specific experience and past performance, based on undergraduate and graduate academic transcripts, master thesis and research plan provided with the application.