

Course Number	09008
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2009 「The International Priority Graduate Programs (PGP)」

~Advanced Graduate Courses for International Students~

【1. Profile of the University】

①University Department	The University of Tokyo, Graduate School of Engineering		
②President	HAMADA Junichi		
③Address (Headquarters)	〒113-8656 7-3-1, Hongo, Bunkyo-ku, Tokyo		
④Contact	Division	Professor, Graduate School of Engineering	
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⑤Web-Address	http://www.n.t.u-tokyo.ac.jp/		
⑥Enrollment (only GraduateSchool)	806 (include MEXT's Sholorship Students: 355)		

【2. Outline of the Course】

①Course	Special graduate program in international research and education of nuclear engineering
②Degree	Master for 2 years and Doctor for 3 years
③Form	Offered by single university
④Graduate Course, Department	Department of Nuclear Engineering and Management, Graduate School of Engineering
	(Address) 〒113-8656 7-3-1, Hongo, Bunkyo-ku, Tokyo
⑤Collaboration (Universities, Graduate courses, Departments)	
⑥Quota	7 (4 for Master, 3 for Doctor) (include MEXT's Schlorship Students: 2 for Master, 1 for Doctor) (include Japanese : 0)
⑦Faculties	37 (Fulltime:10 Fuiitime(other department): 11 Parttime: 16)
⑧Representative of the Course	Job Title: Dean
	Name: HOTATE Kazuo

【3. Contens of the Course】

1. Principle and feature of the Course

In Japan, development and utilization of nuclear energy are the basic energy policy as one of the most realistic solution for environmental protection and energy security. In overseas countries, also, advantages of nuclear energy have recently been re-recognized, that is so-called “Nuclear Renaissance”. The nuclear industries have been reorganized worldwide. Japanese industries are expected to play an important role in realizing the “Nuclear Renaissance” inside and outside Japan due to their high-level manufacturing technologies. Worldwide collaborations are also needed in regulations and guidelines to help the countries that newly install nuclear power plants.

To meet the needs and requirements above, sociological educations and communication skill are important as well as ordinary fields of nuclear engineering. The department of nuclear engineering and management prepares the lectures of nuclear sociology. This department has a substantial education program given by English and is establishing a global educational network as the central department of the Global COE program “Nuclear Education and Research Initiative”.

The aim of this course is to raise “international” human resources that have the knowledge of nuclear sociology and communication skill as well as create frontier of professional fields that are advanced nuclear systems and radiation applications etc. The graduates of this course are expected to be researchers in universities, research institutes or industries, technical managers for policy making, technical experts in international organizations, consultants or analysts etc.

2. Education system and feature of curriculum

High-level education for frontier of each field is provided by the department of nuclear engineering and management and the nuclear professional school that join this course.

Research fields

	Advanced nuclear energy systems	Nuclear socio-engineering	Radiation science and medical physics
Department of nuclear engineering and management	◎	◎	○
Nuclear professional school	◎	○	◎

Substantial amount of lectures by English, especially those for the “core curriculum” are prepared in order that overseas students can earn all the credits required for diploma. Practical education through internships is also important as well as the education in the university. Each overseas student as well as Japanese student belong to a research group and engage in the frontier of each field for their master or PhD theses under the guidance by the supervisor(s).

3. Offering procedure, target countries and admission procedure

The memorandums for offering and the guides to the program are sent to the universities that have an academic exchange agreement with the school of engineering, past records of research exchange, or sent students to the department of nuclear engineering and management, as well as the leading universities in Asian countries. Potential applicants are also actively recruited through the worldwide network among the students of the University of Tokyo including the graduates.

The faculty member(s) of the University of Tokyo visits partnership universities for an interview of the applicants from these universities. The applicants from other universities, including those who have passed the preliminary selection in each university, are selected first by the department of nuclear engineering and management through a draw-up of short lists on the basis of the documents. Then, they will accept an interview through e-mail.

4. Management system

The “steering committee of the special graduate program in international research and education of nuclear engineering” is established where important matters on this program are discussed and decided. The program is continuously and systematically checked and reviewed by the faculty members themselves, external organizations and students for further improvement. A full-time staff officer is arranged at the office of the department of nuclear engineering and management in order to manage the program and support the students.

The school of engineering has the “Office of International Cooperation and Exchange” (OICE) and the “Committee of International Cooperation and Exchange” that substantially manage the education system of oversea students. The OICE has exclusive faculty members and supports the oversea students.

5. Support system

The school of engineering supports the daily life of oversea students as well as their studies.

(1) Japanese classes

Oversea students can attend the lectures on the basis of Japanese language and Japanese culture. Three courses are provided according to the capabilities and needs of the students.

Japanese classes

Class	Hours/Day	Days/Week	Period
Beginner's class	3.5	4	October – March
Intermediate class	3.5	3	April – July
Special class for JLPT	2	1	September – December

※JLPT: Japanese Language Proficiency Test

These courses accept additional participants such as the students in other departments, researchers and their family when there is allowance in the capacity. It is considered to newly establish the advanced class in order to support job hunting for the students who wish to find a job in Japan.

(2) Housing services

The school of engineering has been supporting oversea students for application to the university lodgings. Also, the school of engineering started in 2005 to rent private apartments and cheaply rent out the rooms to oversea students. A new lodging house for oversea students is under construction near the main campus in Hongo. The international center of the University of Tokyo provides various housing information.

Those services can be accessed through the web pages.

(3) Tutor system

A Japanese graduate student in the same research group as that of an oversea student is employed by the school of engineering as a tutor and supports his or her learning environment.

(4) Introduction of domestic job offer

The oversea students who wish to find a job in Japan are substantially provided information, training and recommendation by the department of nuclear engineering and management to do that. Also, opportunity for information exchange among students and graduates is offered through the seminars held by the alumni association.

(5) Support for cultural exchange

The school of engineering has been operating visits to companies twice a year in order to introduce Japanese cultures and industries, and holding parties for cultural exchange. A host family system by Japanese senior graduates is independently prepared by this special graduate program.