

Course Number	06038
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2006 「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Courses for International Students～

【1. Profile of the University】

①University Department	Osaka University		
②President	MIYAHARA Hideo		
③Address (Headquarters)	1-1 Yamadaoka, Suita, Osaka 565-0871, Japan		
④Contact	Division	Graduate School of Engineering; Professor	
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⑤Web-Address	http://www.naoe.eng.osaka-u.ac.jp/eng/info_course/special_course.html		
⑥Enrollment (only GraduateSchool)	689 (include MEXT's Scholarship Students: 238)		

【2. Outline of the Course】

①Course	International Course of Naval Architecture and Ocean Engineering
②Degree	Master and Doctor degrees (5 years)
③Graduate Course, Department	Graduate School of Engineering, Department of Global Architecture
	(Address) 2-1 Yasmadaoka, Suita, Osaka 565-0871, Japan
④Collaboration (Universities, Graduate courses, Departments)	None
⑤Quota	5 (include MEXT's Scholarship Students: 3) (include Japanese : 0)
⑥Faculties	21 (Full-time(only for this course):18 Full-time(at the department offering this course):3 Part-time:0)
⑦Representative of the Course	Job Title: Dean of Graduate School of Engineering
	Name: TOYODA Masao

【3. Contents of the Course】

(1) Generals

“International Course of Naval Architecture and Ocean Engineering” was established in 2004 for foreign students. The official language in this course is English. To promote cooperation with this International Course, it has began to give lectures in English also in the usual course of Naval Architecture and Ocean Engineering, and all the lectures shall be given in English from 2007. So, both foreign and Japanese students can take the same lectures in English, which allows foreign students to take International top-level education without learning Japanese language.

Also from 2007, the Monbukagakusho (Japanese government) scholarships shall be granted to three students. Owing to this new situation, excellent foreign students are expected to join this course, and the education in the graduate course using English shall be improved and fixed. The education and research are on the basis of Naval Architecture and Ocean Engineering of an international level, which have academically supported Japanese shipbuilding industry. The establishment of this course shall also help Osaka University to win in the international competition.

(2) Specialties

The Japanese shipbuilding industry has been at the top level of the world during the last fifty years. The Naval Architecture and Ocean Engineering Course in the Department of Global Architecture has successively supplied excellent persons to shipbuilding industry as one of few universities which lead the education and research in Naval Architecture and Ocean Engineering with many achievements and accumulated results. Because of this, many people in neighboring countries are very much interested in studying at this course. However, those who wish to study at this course were required to have good command of Japanese. In general, foreign people do not have such command, and this has been a big barrier to study in this course for the foreign students.



In 2005, the International Course of which official language is English has been established, and scholarship is going to be granted to three foreign students in this course from 2007. This enables the course students to concentrate their efforts on taking lectures and performing research works without thinking how to manage daily lives and without taking extra time to learn Japanese. Another merit is that they can have lectures and engage in research activities of the world top level in an international atmosphere together with students from other countries including Japan.

(3) Contents

In the Master Course, lectures are given of the Fundamental and Advanced Naval Architecture and Ocean Engineering during the first two semesters. In addition to this, through Seminars, the students can broaden their views in the field of Naval Architecture and Ocean Engineering and are trained for planning and executing the research program in this field. In the remaining two semesters, students are required to conduct advanced research for graduation and Master degree, of which subjects are selected by themselves.

In the Doctor Course, the students can select their supervisors. Then, the supervisor and the vice-supervisors shall determine the research subject on the basis of the outcome from the Master Thesis and the interests of the students. The discussion on the research shall be done in English. Supervision is so conducted to complete doctoral thesis of a higher level during the specified period of three years or less after passing the review on the thesis.

There are fundamentally seven research fields, which are Ship Design, Strength of Ship and Offshore Structures, Hull Form Design, Ocean Systems Engineering, Ocean Space Development Engineering, Marine Mechanical Systems Engineering and Mathematical Modelling and Analysis.

(4) Supporting System

Staffs in the faculty office are linguistically well trained and most of them have experiences to have been lived in foreign countries for a certain period. So, they have good command of English and can support the foreign students who cannot speak Japanese. The International Student Center of Osaka University offers special programs to learn Japanese, to exchange information among foreign students, etc., and provides counseling system for including psychological/health problems as well as daily lives.

Also at the Advisory Division for International Students at Graduate School of Engineering, the foreign students can get information regarding various events and housing besides counseling. The students can use Chinese, Spanish, Portuguese as well as English and Japanese in this division. There is a tutor system that a specified student takes care of individual foreign student for studying and daily lives as a tutor.



(5) Selection

The documents for announcements and application of the International Course of Naval Architecture and Ocean Engineering shall be sent to Universities and Institutes, which may be related to Naval Architecture and Ocean Engineering. These can be found also at the homepage of the department.



The Graduate School of Engineering, Osaka University, will select matriculates from the applicants by reviewing the application materials and documents submitted by the applicants. The successful applicants shall be notified by mail to the address specified in the application form.