

Inter-University Exchange Project (Selected in FY2016)

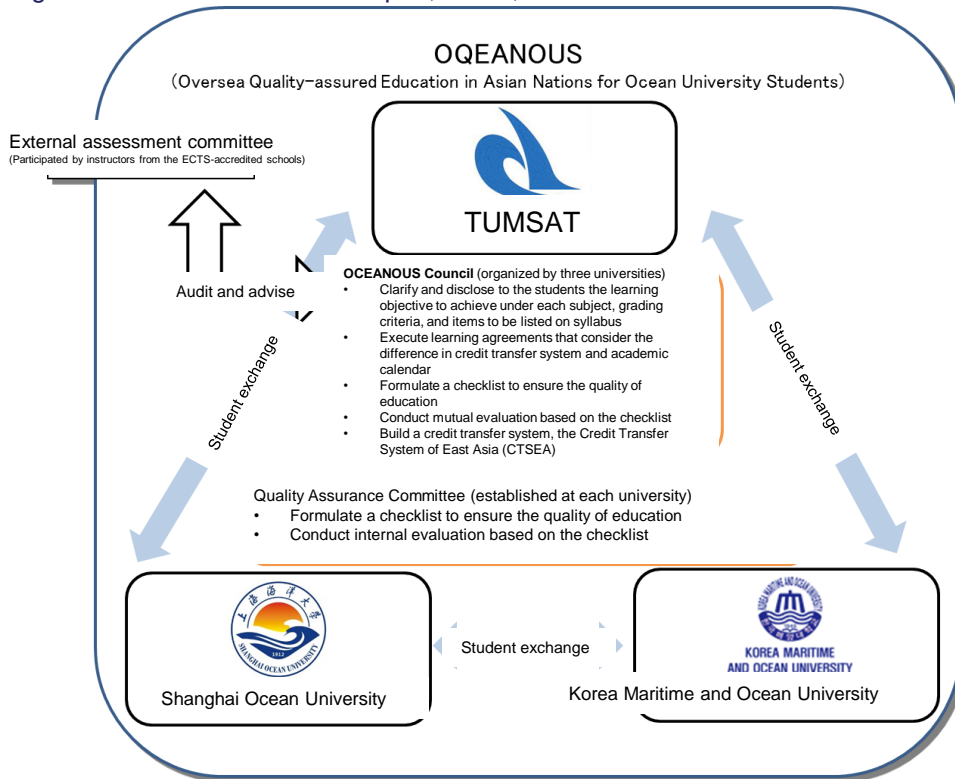
Tokyo University of Marine Science and Technology Project Overview

Support for the Formation of Collaborative Programs with Universities in Asia

[Name of the Project] (Year selected: FY2016 (Type A-2) CAMPUS Asia)
 Collaborative international education program based on the Japan-China-South Korea version of the Erasmus at Tokyo University of Marine Science and Technology (TUMSAT)

[Overview of the Project]

By enabling student exchange at the graduate school level while assuring the same quality as the internationally-recognized credit transfer system (the Bologna Process), develop advanced expert professionals at TUMSAT and promote exchanges between universities in Japan, China, and South Korea.



[Overview of the Exchange Program]

An STP (research internship program) is established as a program to send college seniors who are planning to advance to a master's program to overseas for one month so that they can obtain credits by taking available graduate courses in advance, conduct research, and complete a short-term internship at the destination university. In addition, as this application's central program for students in the master's program, an IJP (collaborative international education program in the field of oceanography) and a DDP (joint degree program in the field of oceanography) are established.

With the IJP, a student will stay at a participating school other than his/her own for one semester or more based on the quality-assured credit transfer system to be worked in this application. During the stay, he/she is required to obtain six credits or more in the designated courses at the destination university and complete a long-term internship.

As for the DDP, a student will stay more than one year at his/her university as well as at other participating university. By conducting a master's thesis research and meeting the degree criteria at both universities, he/she can obtain a master's degree from both universities.

[Human resources to be developed in this project]

For the sustainable development and utilization of the ocean, we need individuals to make environmentally strategic decisions based on long-term views as independent professionals with a wide range of expertise to solve such problems. Through interdisciplinary curriculums conducted in the Japan-China-South Korea program and course offering and internships that are quality-assured by the credit transfer system which is to be newly developed, this program will enhance students' original, creative thinking abilities and fundamental research skills in the specialized field and develop highly-skilled international professionals who are capable of considering various approaches in the actual work and link advanced expertise to problem-solving.

[Planned Number of Exchange Students]

	2016	2017	2018	2019	2020
Acceptance in Japan (J)	C2 K1	C5 K5	C5 K5	C5 K5	C5 K5
Acceptance in China (C)	J2 K1	J5 K5	J5 K5	J5 K5	J5 K5
Acceptance in South Korea (K)	J1 C2	J5 C5	J5 C5	J5 C5	J5 C5

1. Progress with the Project Initiative (FY2016)

[TUMSAT]

[Name of the Project] (Year selected: FY2016 (Type A-2) CAMPUS Asia)

Collaborative international education program based on the Japan-China-South Korea version of the Erasmus at TUMSAT

■ Progress with the implementation of exchange programs



(Lab tour: Experiment in removing the otoliths of squid at Shanghai Ocean University)



(Experiencing Chinese class at Shanghai Ocean University)



(TUMSAT Museum of Marine Science toured by Korea Maritime and Ocean University)

Student Mobility under the Exchange Program

○ Placing Japanese students

8 students were sent to Shanghai Ocean University from March 21 (Tue) to March 23 (Thurs), 2017. To encourage the participants in this short-term placement program to participate in the DDP and IJP, they were allowed to visit the campus, interact with other students, and visit labs at the university, as well as experience local culture and study Chinese culture to improve cross-cultural communication through hands-on learning.

○ Accepting international students

9 graduate students from Korea Maritime and Ocean University visited our university from February 8 (Wed) to February 10 (Fri), 2017 and split to each campus based on the field of choice to take a mock Japanese class, see the wave tank and flowave tank, and visited labs.

	2016
Acceptance in Japan (J)	C0 K9
Acceptance in China (C)	J8 K5
Acceptance in South Korea (K)	J0 C0

■ Initiative to create a framework for quality-assured inter-university exchange

- The OQEANOUS Council (renamed from the planned "Erasmus Council"), which was established with faculties and administrative staff in charge of academic affairs at three universities including in Japan, China, and South Korea, was held two times in FY2016 (three times including the preparatory meetings). Referencing the method in the Erasmus Programme in Europe, the council discussed about a standardized credit transfer system that maintains the independence of each country's graduate school education, grading criteria, specific programs (STP, IJP, and DDP), etc.
- Faculty and staff members who are familiar with the ECTS (a credit transfer system for the European countries) were invited from Ege University, an ECTS accredited school in Turkey. After getting an overview of the ECTS and explanations on their initiatives at Ege University, a roundtable discussion was held.
- In order to interview about ECTS initiatives, we visited the University of Nord in Norway. After getting an overview of the ECTS and explanations as to why the University of Nord obtained the ECTS accreditation and what initiatives are currently underway, a roundtable discussion was held.



<Roundtable discussion with universities such as Ege University>

■ Establishment of environment to accept international students and send Japanese students

•The OQEANOUS Council had a discussion about matters such as financial support and dormitory offerings at each university in preparation for placing and accepting Japanese students under this project.

In preparation for the mutual implementation for placement and acceptance in this project, students who are interested in participating in this project were sent and accepted to the destination university in March 2017 to conduct mutual visits and provide information on the university for the students.

• Considerable administrative reforms were implemented in order to strengthen the support system for this project. Specifically, in addition to the new establishment of an international and teaching support section in the Academic Affairs Department and the assignment of specialized personnel in April 2017, a guideline for establishing an international exchange promotion office was formulated. Through this, a system was established to allow international affairs and international student-related affairs to be handled centrally.

■ State of globalization, information disclosure, and communication of the outcome of the university based on the implementation of the project

Brochures were created and distributed on and off campus for (Japanese) students at our university in order to communicate the benefits of this project and increase participants. Brochures will be distributed ongoing basis in the future at other events such as open campus to thoroughly communicate about this project.

A course catalog website for the central courses for this project will also be created to provide extensive information to exceed the contents of ECTS. (<https://www.g2.kaiyodai.ac.jp/oqeanous/>)

■ Best practice, etc.

In this project, a guideline was created for the Credit Transfer System in East Asia (CTSEA), which is a credit transfer system among three universities. Along with it, a scheme to execute a learning agreement with each student will be implemented. All of these information will be released on the university's website and, based on the results of this program, we will aim to expand the system in the future to other universities in Japan, China, and South Korea and develop it into student exchange with ECTS-accredited and ACTS-accredited schools.