

【Name of project】(Adopted year: FY2016, (Type A-② CAMPUS Asia))

Cooperative Educational Program for Fostering Human Resources to Lead Development of Sustainable Urban and Architectural Environment in Asia

【Summary of Project】

Development of Sustainable Urban Architecture and Environment in Asia

Nurturing human resources in the field of urban architectural environment

Internationalize urban architectural environment education

Ability to develop practical solutions

Cultivate broad knowledge of urban and architectural environment of Asian Cities, and ability to develop practical solutions for urban environmental issues with the understanding of social and cultural backgrounds.

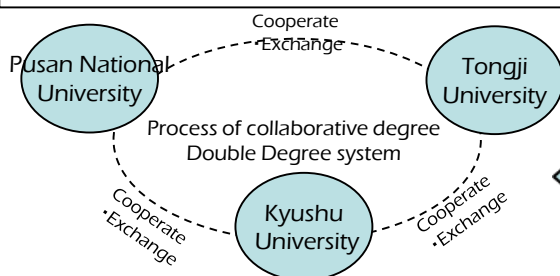
1. Collaborative education program, based on architectural and urban environment education model of Kyushu University.
2. International standardized education model.
3. Educational management WEB system to support international standardized model.
4. A portal site to promote international public relations.
5. The authentication system that guarantees the quality of architectural environment education.

Broad perspective

International leadership

Internationalized standard Education Model

Management System to ensure the quality



*Establishment of Education WEB system*

- Academic information management (Syllabus, enrolled students, academic achievement)
- Students' questionnaires

*Education Advisory Committee*

- Teaching Materials
- Lesson Plans
- Organize syllabus
- Evaluation
- Transferring Credits
- Certification

## Summary of Exchange program

Rapid urbanization and economic development in Asia have increased the demand for energy, and deteriorated the urban and architectural environment. While various technologies are being developed in recent years, we are lacking specialists who can find practical solutions for complex urban environmental issues. Therefore, developing specialists with an understanding of social and cultural background, and a practical knowledge of technologies has become vital. The proposed exchange program allow students to experience environmental issues first hand and learn solutions through practice.

## Features of the project

1. Developing a new education system that promote active learning, and problem solving.
2. Building an international academic network in Asia and nurture specialists through international internships and lectures.
3. Promoting the findings and results of this education process through international workshops.
4. Establishing a double-degree program.

<TypeA-②>

Student Exchange Figures

	2016	2017	2018	2019	2020
Accepted number in Japan	C 0	C 10	C 10	C 10	C 15
	K 0	K 10	K 10	K 15	K 10
Accepted number in China	J 0	J 10	J 10	J 15	J 15
	K 0	K 10	K 10	K 15	K 15
Accepted number in Korea	J 5	J 10	J 10	J 15	J 15
	C 0	C 10	C 10	C 15	C 15

# 1. FY2016 Progress

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## ■ Exchange Programs

### 1. Education Advisory Committee(Three Universities Meeting)

An Education Advisory Committee was formed at the Kick-off Meeting held at Pusan National University on January to promote this program. The Second and Third committee meetings were held at Tongji University and at Kyushu University later.

### 2. Short-Term Exchange and Pusan Winter Workshop

Five students were sent to China and Busan for short-term exchanges. Twelve students have joined the Pusan Winter Workshop in February 2017. Students from all three universities gathered during these exchanges and shared their experiences.



Three Universities Meeting in Shanghai

## Student-Mobility

○ **Outbound** Fourteen students were sent to Pusan National University and three students were sent to Tongji University in early 2017. Twenty students will be sent to partner universities from FY2017

○ **Inbound** Kyushu University will receive 15 students for the Summer School 2017. Five students will be accepted for the 2017-2018 Semester Exchange Program. Fifteen students for short-term exchange program and 10 students for Semester Exchange Program will be accepted from April 2019.

<TypeA—②>

	2016
Accepted number in Japan	C 0 K 0
Accepted number in China	J 3 K 0
Accepted number in Korea	J 14 C 22

## ■ The University Network For Quality Assurance

**Establishment of Academic results management system, recognition of credits, and Double-degree program**

Education Advisory Committee was responsible for managing academic activities and coordinating credit recognition and credit transfer. This committee has studied course hours, credit calculation in all three universities and English courses which is offered by each University. Furthermore, we have discussed the academic credit transfer formalities in order to promote double-degree system. To sign the student exchange agreement and double-degree agreement by FY2017, we are consulting closely among partner universities.

## ■ Improved Student-Mobility Environment

**Accepting International Students** The 2017 Summer School will start from 6th August at Kyushu University. We have employed dedicated staff to support students and started planning for the Summer School. The help system for international students was enhanced to help registering for courses and recognition of credits.

**Sending students** We have started offering counseling for students participating study abroad programs. The Education Web system which was installed and started operating will allow us to support educational needs of students during their study abroad period. A seminar will be organized to help them improve their English before going abroad. We will check each universities' lectures and class curriculums to help students to find relevant courses.



Pusan Winter Workshop in 2017

## ■ Internationalization of the university, Information Dissemination

**Opening the Website and dissemination of information** Opening of the project's Website (Japanese / English) allow us to introduce our project and share the information with international partner universities and companies. We will further develop this website and regularly update with up-to-date information.

**Publication of leaflet** We have printed a leaflet in Japanese and English that introduces this project. The leaflet was distributed among universities to promote the program. It will be sent to companies and related organizations around the world to promote this program internationally.

**Establishment of Education management Web system** We have opened an Education Management Web system to maintain syllabuses and academic achievements and to conduct students' questionnaire and external evaluations.

## ■ Good Practices

The Pusan Winter Workshop which was held on February 2017 was a huge step as a preparation for Semester Exchange Program and Summer School. For students, taking part in an international workshop gave participants an opportunity to widen their view. Additionally, we are going to publish the outcome of this workshop, and also prepare to hold a debrief session in FY 2017.

## 2. FY2017 Progress

### 【Cooperative Educational Program for Fostering Human Resources to Lead Development of Sustainable Urban and Architectural Environment in Asia】

(Adopted year: (Adopted year: FY2016, (Type A-② CAMPUS Asia ))

#### ■ Exchange Programs



〈 2017/8/25 SUAE Asia Forum 2017 〉

The exchange program conducted with the collaboration of Pusan National University and Tongji University in 2017 was a great success, and 114 students from three universities participated in international workshops. Especially, 21 students from three universities participated the Summer School 2017. It offered a great opportunity for students from three universities to gather in Fukuoka and present their unique Urban Design proposal. Furthermore, the SUAE Asia Forum 2017 and a symposium was held during this summer school to exchanged the experience of internationalization of education such as student-mobility, promoting students to study abroad and credits transfer system among universities.

#### <TypeA-②>

Number of Students Received	2017
Japan	C 11 K 11
China	J 14 K 12
Korea	J 23 C 43

#### ■ Student-Mobility

○ **Outbound:** 23 students were sent to Pusan National University, and 14 students were sent to Tongji University. In total, 37 students from Kyushu University participated international workshops and studied abroad.

○ **Inbound** During Summer School in August 2017, 7 Pusan National University students and 8 Tongji University students participated and studied in Japan. From September 2017, four students from Pusan National University and three Tongji University students participated in the semester exchange program. Total of 22 students from partner universities studied at Kyushu University in 2017.

#### ■ Forming the University Network with Quality Assurance

Education committee formed by Three University Consortium gathered regularly and discussed the international standard model of educational program and process of the double-degree system. Pusan National University and Kyushu University signed the double-degree agreement In February 2018.

The Accreditation Committee was held on August 25<sup>th</sup>, and the committee members have joined from other universities. We set 6 criteria to evaluate the program in order to assure the quality. We earned "A" rating for almost all of the evaluation criteria.



〈 2017/8/25 Accreditation Committee 〉

#### ■ Promotion of Student-Mobility Environment

【Accepting International students】 Before the summer school and the beginning of the semester, student orientation is held in English to introduce courses and registration method etc.. In order to support them, each international student was placed in a laboratory and under a professor who becomes their supervisor during their stay. In Summer School, Core courses and Practical courses are provided with teaching assistants to help them and to make their learning experience effective.

【Sending students】 Before sending students an orientation was organized to provide them enough information that makes their study abroad experience safer and productive. In addition, 23 students who were planning to study abroad participated two months English seminar to improve their English skills and presentation skills.

#### ■ Internationalization of the university / Information disclosure and Publication of outcome

To publicize our updating information, we have been posting upcoming events and progresses on our Web site regularly. We also published a flyer (in Japanese and English) to add more information about the double-degree program and distributed to partner university's professors and students and among universities who are committed to the internationalization of education. Moreover, implementation report and Summer School outcome were published to disclose information and outcomes.

#### ■ Good Practices

Sustainable Design Camp was an effective platform to understand each other and it gave a chance to study urban planning and design by collaborating with other students who have learned architecture in different countries. It also provided an opportunity to learn urban issues in Asia including their own cities. By using education management Web system actively, we support professors and students through the program. It allows students to learn about the assignments by sharing the materials before the program starts and keep working together with other countries' students even after the program finished.

### 3. FY2018 Progress

【Kyushu University】

【Cooperative Educational Program for Fostering Human Resources to Lead Development of Sustainable Urban and Architectural Environment in Asia】(2016: (Adopted year: FY2016, (Type A-②) CAMPUS Asia)

#### ■ Exchange Programs

From 2018, two students from Pusan National University (PNU) have studied at Kyushu University (KYU) as Double Degree Program (DDP) participants. And KYU also sent two students to PNU and Tongji University (TJU) as DDP students.

On December, thesis presentation was carried out for DDP students with partner university by using Web meeting system. To make DDP students accomplish their degree, master’s thesis assessment was made by CA committee formed by three universities. In addition, 14 lectures now open for international students will be provided in English and Japanese.



< Summer School 2018 in Busan >

#### Student-Mobility

##### ○ Outbound

22 students were sent to Summer School in PNU. And 9 students were sent to International Construction Festival and Short-term program at TJU. In addition, 13 students participated in International conference in Korea and China in order to present their research. Total 44 students studied abroad in 2018.

##### ○ Inbound

6 students from TJU and 7 students from PNU participated in SDC (Sustainable Design Camp) held at KYU. Moreover, two students from PNU has participated in DDP which was started in 2018, As Non-DDP students, we accepted 5 students from PNU and TJU.

<TypeA-②>

	2018
Accepted number in Japan	C 8 K 12
Accepted number in China	J 20 K 12
Accepted number in Korea	J 24 C 79

#### ■ Forming the University Network with Quality Assurance

We built the process to confer a degree by confirming the academic conditions for each university. Utilizing Education Web system makes us to keep managing students results and data under the strict management.

On Intermediate Evaluation in October and Monitoring in February, we were evaluated implementation and good practices of our program by interviewing professors and students who were involved. The results will be utilized to make improvements on our program.

#### ■ Promotion of Student-Mobility Environment

Orientation was held for students coming and going abroad before each program begins in order to support them to start new life in different countries without any worry. At KYU, each lecture has Teaching assistants (TA) students who have good language skills such as English, Chinese and Korean for supporting. And English seminar is provided to Japanese students to improve their language skills before they start studying abroad.

#### ■ Internationalization of the university / Information disclosure and Publication of outcome

International conference ARCP was held in Korea in November 2018, and IASUR in China in March. 13 KYU students participated these conferences to get chance to present their research on global stage. To disclose our outcome and promote this program, report session was held in November at KYU.

#### ■ Good Practices

Summer School, Cooperative education program was held in Busan in August. KYU also held Sustainable Design Camp and it provided opportunity to interact with other international students. They could get many chances to communicate with others in English by participating these design studio classes.



< Double Degree students >

# 4. FY2019 Progress

【Kyushu University】

【Cooperative Educational Program for Fostering Human Resources to Lead Development of Sustainable Urban and Architectural Environment in Asia】(2016: (Adopted year: FY2016, (Type A-②) CAMPUS Asia)

## ■ Exchange Programs



< 2019 Summer School at Tongji University >

We received 6 students and sent 3 students for the Double Degree Program since April 2018. Tongji University organized the Summer School in August 2019. Lectures and design workshops of the Summer School were organized as intensive courses to reduce the burden on students. Six students joined the Construction Festival at TJU annually in June. And 11 students participated in BIADW in July. We received 13 students for SDC. Kyushu University organized the SDC with the participation of 63 students from 7 universities in August.

## ■ Student-Mobility

### ○ Outbound

11 students were sent for the Summer Program and 2 students participated the Double Degree Program at PNU(Korea). In addition to this, 6 students joined Construction festival, 7 students were sent to Summer School and 1 students participated in Double Degree Program at TJU (China).

### ○ Inbound

13 students (TJU 6, PNU 7) participated the Design Camp and studied at Kyushu University. We received 6 (TJU 3, PNU 3) students for the Double Degree Program.

<TypeA-②>

	2019
Number received in Japan	C 9 K 10
Number received in China	J 14 K 17
Number received in Korea	J 13 C 15

## ■ Forming the University Network with Quality Assurance

Accreditation committee was held in Seoul and receiving an external evaluation to assure the quality on 2nd November. We have improved our program based on the result of this evaluation and student questionnaire. We have promoted the collaborative educational program and disclosed the progress by publishing reports and uploading them to our portal site regularly. We also held an international forum to extend academic networks in the December.

## ■ Promotion of Student-Mobility Environment

All international students are assigned to their desired laboratory to evaluate their admission and to guide during their stay. Additionally, we provided English orientation to on the course registrations and required credits. The orientation also helped them to have safe and comfortable student life. By utilizing our educational web system, students stay connected with their supervisor at home university on regular basis.



< 2019 Double Degree Program >

## ■ Internationalization of the university

### Information disclosure and Publication of outcome

An international forum was organized at Kyushu University on the 19th and 20th of December. The discussion mainly focused on the results of the Sustainable Design Camp held in the Summer. We invited international specialists and professors to discuss the output of Design Camp and share their knowledge and experience.

## ■ Good Practices

Partner universities have organized the Summer School every August since 2017. And 21 students from each university have participated in the Summer School at Tongji University (Shanghai) this year. Participants were recruited openly from graduate students including DDP students. With the 2019 summer school, every partner university has organized one Summer School and established the system for organizing and supporting for DDP students.

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### Exchange Programs



〈 Sustainable Design Camp 2020 〉

All the programs have been conducted online, due to the spread of the Covid-19. We accepted 9 Double Degree Program participants and provided online lectures. In terms of Summer School, we shifted each program date and divided it into three parts. And we also accepted 11 students for the short-term program. Four Kyushu University participated in the only online program organized by Pusan National university this year.

### Student-Mobility

#### ○ Outbound

Most of the program had been postponed. Four students participated in Pusan Winter School online. Universities from Austria and Italy also joined this winter school online.

#### ○ Inbound

We accepted 11 students; 4 students from Tongji University(TJU), and 7 students from Pusan National University(PNU). Out of that 9 participants (5 PNU students and 4 TJU students) joined the Double Degree Program and took part in online lectures.

### <TypeA-②>

	2020
Accepted number in Japan	C 8 K 12
Accepted number in China	J 0 K 1
Accepted number in Korea	J 4 C 18

### Forming the University Network with Quality Assurance

Double Degree Program students will gain the certification from each University when they complete the master course. In addition to this, Certificate of Completion of was issued to the participants who has completed the Double Degree Program.



〈 Double Degree Certification 〉

### Promotion of Student-Mobility Environment

Annual program, Sustainable Design Camp was held online. Students group consists 2 or 3 students from each university. Instead of taking students site tour, we shoot the video of site visiting and shared them with other universities students to help them discover the area.

In terms of supporting Japanese students' language skills, English seminar was provided and total 13 students joined this seminar. First two months seminar was held online and the rest of classes were face to face class for more effective English learning.

An orientation program was organized to guide the students who are participating in both semester and double degree programs. This orientation program was streamlined to prepare students for effective participation in classes and research.

### Internationalization of the university, Information disclosure and Publication of outcome

An online Debrief Meeting was organized on March 26th and presented the outcome of this program. The alumni association of the program participants was established under the leadership of former students during the debrief session. The alumni association is expected to enhance future networking among program participants.

### Good Practices

The program that was introduced to promote the double degree program among three universities is demonstrating progress. An online thesis presentation was held with the attendance of professors from all three universities in December 2020. The CA committee which consists of professors from three universities has reviewed the presented masters' thesis and 3 students obtain a masters' degree in Double Degree Program.