

AGREEMENT ON DOUBLE MASTER'S DEGREE PROGRAM IN
SCIENCE AND TECHNOLOGY
BETWEEN
DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY,
GRADUATE SCHOOL OF ENGINEERING,
NAGAOKA UNIVERSITY OF TECHNOLOGY
AND
DEPARTMENT OF MATERIALS SCIENCE,
FACULTY OF SCIENCE,
CHULALONGKORN UNIVERSITY

This Agreement on Double Degree Program is established between

**Department of Materials Science and Technology,
Graduate School of Engineering,
Nagaoka University of Technology**
1603-1 Kamitomioka, Nagaoka
Niigata, 940-2188, Japan
Designated as "NUT"

And

**Department of Materials Science,
Faculty of Science,
Chulalongkorn University**
254 Phayathai Rd. Patumwan
Bangkok, Thailand
Designated as "CU"

This agreement describes the academic and administrative conditions concerning the Double Degree Program (hereinafter referred to as the Program) established between the two universities. The Program supports education of master's students under the close cooperation between the two universities and enables master's students to earn degrees from both universities.

1. FIELD OF STUDY

The field of study of the Program at NUT shall be Materials Science and Technology. The fields of study of the Program at CU shall be Ceramic Technology, as well as Applied Polymer and Textile Technology.

2. SELECTION OF STUDENTS

Both universities guarantee the quality of students participating in this program. To enter the Program, students must meet all the qualifications set by the home and host universities. The home university will select potential participants according to their academic, personal and linguistic qualifications. The host university will then evaluate the selected students for approval.

3. STUDENTSHIP

The students participating in the Program shall be registered as a regular student simultaneously in both universities. Each enrollment will be based on the student admission policy set by the individual universities.

4. ACADEMIC ADVISOR

Students in this Program will have two academic advisors, one in the home university, and the other in the host university. The advisors will be chosen from faculty members and approved by each university. To promote the education and research exchanges, the academic advisor of the home university may be invited as a visiting faculty and researcher to the host university.

5. RECOGNITION OF CREDITS

The students participating in the Program should obtain the required credits in accordance with the regulation of each university. The home university will recognize the credits earned at the host university under the credit transfer system.

6. THESIS COMMITTEE

The members of each Thesis Committee shall be selected under the regulation of each university. The Chair of each Committee shall be appointed from the members of Thesis Committee. Each Thesis Committee will prepare a review report countersigned by all members of the Thesis Committee.

7. THESIS AND REVIEW

The two independent theses in related fields for host and home universities should be written in English. The student will also be required to submit the abstract written in the languages allowed in each university. With appropriate responses to the critiques raised by the committee in the thesis, the student will then be allowed to have a thesis defense. The copyright of the thesis for fulfilling the university requirement for graduation will be granted to the corresponding university which awards the degree.

8. AWARD OF DEGREE

The two universities will independently evaluate and award a master's degree. After successful completions of the academic requirement and thesis defense in each university, the student will

be respectively awarded a master's degree from each university.

9. DURATION OF THE MASTER'S STUDIES

The expected duration of the master's studies shall be determined in accordance with the regulation of each university.

10. FINANCIAL SUPPORT

Neither university will charge the screening fee on applicants to the Program at the time of admission. The accepted students will be responsible for the admission fee and the tuition to the home university. The tuition and admission fees will be exempted at host university.

11. INTELLECTUAL PROPERTY RIGHT

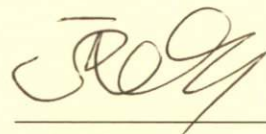
Intellectual property rights that arise from any invention or discoveries developed by the Program students during their stay in the Program shall be processed by each university according to its regulation. The partner universities shall consult with each other in the event that any conflict may arise in the process of intellectual property right.

12. TERM OF THE AGREEMENT

This agreement shall become effective on the date of signing by the representatives of the two universities and be valid for 5 years. Any amendment and modification, as well as extension or termination of the Agreement may be made by the mutual agreement of the two universities. This Agreement will apply to all the students enrolled in the Program for the entire duration of their studies.

SIGNATURES

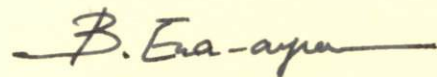
Nagaoka University of Technology



Nobuhiko Azuma
President

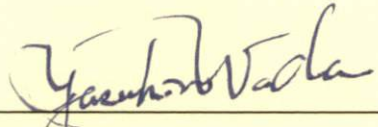
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Chulalongkorn University



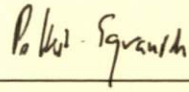
Bundhit Eua-arporn
President

Date. Mar. 20, 2020



Yasuhito Wada
Dean, Graduate School of Engineering

Date. MAR. - 3. 2020



Polkit Sangvanich
Dean of Faculty of Science

Date. Mar 12, 2020

THE ADDENDUM TO THE AGREEMENT ON DOUBLE MASTER'S
DEGREE PROGRAM
BETWEEN
DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY,
GRADUATE SCHOOL OF ENGINEERING,
NAGAOKA UNIVERSITY OF TECHNOLOGY
AND
DEPARTMENT OF MATERIALS SCIENCE,
FACULTY OF SCIENCE,
CHULALONGKORN UNIVERSITY

Department of Materials Science and Technology, Graduate School of Engineering, Nagaoka University of Technology (hereinafter referred to as NUT) and Department of Materials Science, Faculty of Science, Chulalongkorn University (hereinafter referred to as CU) hereby agree to establish an addendum to the double degree program (hereinafter referred to as DDP) under the Agreement on Double Master's Degree Program concluded on February 5, 2020, with the purpose of mutual understanding between two universities and contributing to the academic and educational development as well as to facilitate the supervision for student exchange between two universities.

1. NUT and CU shall inaugurate the DDP for their respective master's students.
2. The DDP is an academic program that will enable the students enrolled in the master's program at their home university to transfer to the master's program at the host university in order to obtain master's degrees from both universities upon completion of their master's courses.
3. To be eligible for the DDP, the DDP candidates must pass the DDP screening examination held by the respective host university.

The basic requirements for NUT student to enroll in CU are as follows;

NUT students must have obtained bachelor's degree in related fields with CU-TEP, TOEFL or IELTS scores of at least 30, 400 or 3.0, respectively. The admitted NUT students who have the CU-TEP, TOEFL or IELTS scores lower than 45, 450 or 4.0, respectively, are required to take English course(s) offered in CU according to the university English requirement.

4. The DDP candidates who have passed the DDP screening examination shall be notified by the host university. The DDP students shall enroll in the host university as a regular student.
5. The number of DDP students accepted on the basis of this Agreement will be limited to a few students per year.
6. Period of staying at the host university shall be at least one year.
7. CU students participating in DDP shall be accepted in NUT at the beginning of the second term

(September) *. NUT students participating in DDP shall be accepted in CU at the beginning of the first semester (August).

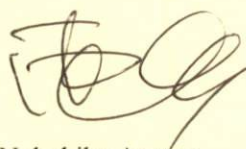
* April acceptances will be offered as limited exceptions for students participating under the auspices of the Global Academia-Industry Consortium for Collaboration Education (GAICCE) or under special conditions recognized or enumerated by NUT.

8. The DDP students shall be responsible for their own expenses including travel expenses, living expenses, accommodation, and textbooks as well as medical insurance, etc.
9. The home university will recognize the credits earned by the DDP students at the host university under the credit transfer system.
10. The related regulations of each home university shall be applied to the financial support and recognition of credits for the DDP students in case of withdrawal from DDP.
11. The DDP students should be able to conduct their daily lives in English and/or the language of the country of the host university.
12. The host university will make every effort to support the DDP students, such as making arrangements for accommodations.
13. Educational and research plans for each DDP student shall be decided upon by prior consultation between the academic advisor at the home university and the prospective academic advisor at the host university. Such plans will require the approval of the authorized committees at both universities. The academic advisor at the host university shall be determined by the approval of such committee under its regulation.
14. DDP Curricula shall be composed of lectures, which are required credits as compulsory and elective subjects in both universities, and research guidance, which fulfills required credits for research studies in CU.
15. Each university shall determine the study program for individual students.
16. The DDP students to be awarded the master's degrees shall be required to earn the required credits from each university, complete the master's theses, successfully pass the thesis defenses and complete presentation or publication requirement (if any). The DDP students should submit the master's theses to the respective host and home universities, and the thesis committee at each university should review the student's thesis.
17. The DDP students should satisfy the requirements for DDP completion within the required period of study by each university. The period of study at the home university shall be included in the required period of study at the host university.
18. Two thesis defenses must be conducted to fulfill requirement of each university. The members of each Thesis Committee shall be selected under the regulation of each university.
19. The DDP students who successfully pass the thesis defense will receive a Master of Engineering at NUT and a Master of Science at CU.

20. In order to resolve any issues in relation to DDP and to facilitate further developments in this regard, the academic advisors and the faculty in charge of the international exchange shall organize the meetings between the respective universities to discuss relevant matters when necessary.
21. In the event that either of the respective Graduate Schools is reorganized within the term of this Agreement as described in this Addendum, the newly-formed organization that is established in this reorganization and continues the educational task similar to the currently existing institution will be responsible for the DDP described herein.
22. This Addendum shall become effective upon signature by the representatives of both universities and shall remain valid until the expiration date of the Agreement on Double Master's Degree Program in Science and Technology between Department of Materials Science and Technology, Graduate School of Engineering, Nagaoka University of Technology and Faculty of Science, Chulalongkorn University. Any amendment and modification, as well as extension or termination of this Addendum may be made by the mutual agreement of the two universities.

SIGNATURES

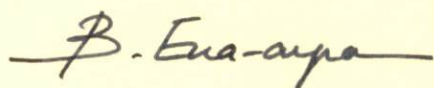
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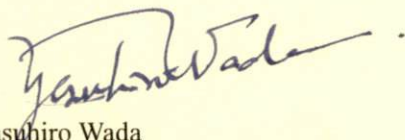
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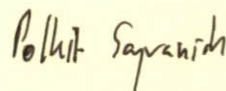
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