



Tokyo Medical and Dental University and Chulalongkorn University  
International Joint Degree Doctor of Philosophy Program in Orthodontics

# Self-assessment report

<Term for evaluation: August 2022- July2023>

## Contents

<b>1. Mechanism for implementation of JD Program</b> .....	2
1-1. Joint implementation structure .....	2
1-1-1. Joint committees.....	2
1-1-2. Communication method .....	4
1-2. Policies .....	6
1-2-1. Diploma Policy.....	6
1-2-2. Curriculum Policy .....	7
1-2-3. Admission Policy .....	9
1-3. Quality assurance system .....	12
1-3-1. Self-assessment.....	12
1-3-2. External assessment.....	13
1-3-3. Feedback of assessment results .....	14
1-3-4. Information publication.....	15
<b>2. Operation of JD Program</b> .....	17
2-1. Progress of JD Program operation .....	17
2-2. Fulfillment of student capacity .....	19
2-3. Syllabuses.....	21
2-4. Evaluation method and criteria .....	23
<b>3. Student Support</b> .....	25
3-1. Student support system .....	25
3-1-1. Accommodation .....	25
3-1-2. Research environment .....	26
3-1-3. Financial support.....	27

# 1. Mechanism for implementation of JD Program

## 1-1. Joint implementation structure

### 1-1-1. Joint committees

#### *Evaluation indicator*

Appropriate committees for discussing important matters of education activities and examining curricula and educational methods are organized and active.

#### *Plan*

Tokyo Medical and Dental University (hereafter referred to as TMDU) and Chulalongkorn University (hereafter referred to as CU) will jointly conduct appropriate committee meetings to discuss important matters of education and research and to examine curricula and educational methods.

#### *Current situation*

As some committees having similar matters for deliberation were merged in the academic year 2016, 3 committees, the Liaison Council, Course Administrative Committee, and University Quality Assurance System have been presently active based on the rules described in the next page.

The meeting of the Liaison Council was held in January 2023, and the result of external assessment was shared.

The Course Administrative Committee meeting has been conducted basically once a month and discussed various things regarding education, program operation and research, thesis defense and things are progressing as expected so far.

<Committee rules>

(1) Liaison Council

Frequency of meetings: at least once a year

Deliberation matters:

The Liaison Council oversees administration of the program, conducts self-assessment, and deliberates the following matters:

- A) Organization of curricula
- B) Formulation of educational organization
- C) Selection of entrants and conferment of degrees
- D) Management of enrollment and student safety
- E) Financial support, welfare and guidance for students
- F) Evaluation of educational and research activities

(2) Course Administrative Committee (named JD committee before)

Frequency of meetings: once a month as a general rule

Deliberation matters:

The Course Administrative Committee deliberates the following matters:

- A) Selection of entrants
- B) Student registration and records
- C) Student guidance
- D) Syllabus planning and course registration
- E) Formulation of educational organization
- F) Educational policies and methods
- G) Promotion and course completion certification
- H) Thesis defense
- I) Evaluation of educational and research activities
- J) Other necessary matters relating to education and research

(3) University Quality Assurance System

The University Quality Assurance System consists of external reviewers and holds a meeting once a year. The System conducts external assessment based on the self-assessment report. The rules of the System have not been agreed upon by TMDU and CU.

<Past committee meetings>

(1) Liaison Council

TMDU and CU conducted the Liaison Council meeting on January 12, 2023. In this meeting,

TMDU and CU reviewed the matters discussed and settled during August 2021 to July 2022 and approved the self-assessment results. Also, TMDU and CU exchanged opinions for improving the program.

(2) Course Administrative Committee

TMDU and CU have conducted the Course Administrative Committee meeting once a month, regularly.

(Table 1)

Date	
September 13, 2022	68th meeting
October 25, 2022	69th meeting
November 15, 2022	70th meeting
December 21, 2022	71st meeting
January 31, 2023	72nd meeting
March 7, 2023	73rd meeting
May 9, 2023	74th meeting
July 11, 2023	75th meeting

Reference: Minutes of the Course Administrative Committee (Attachment 1)

### 1-1-2. Communication method

<table border="1"> <tr> <td>Evaluation indicator</td> </tr> </table> <p>Appropriate communication method is established.</p>	Evaluation indicator
Evaluation indicator	

#### Plan

- The CU-TMDU Research and Education Collaboration Center in Thailand, which TMDU has established in the Faculty of Dentistry of CU, and the video conferencing system in TMDU will be utilized for communications with each other.
- One faculty member will be assigned as a coordinator to achieve better cooperation between TMDU and CU.

### Current situation

There have been three means of communication between CU and TMDU.

Firstly, the video conferencing systems, which were installed in TMDU and CU, have been used not only for meetings called by the 3 committees mentioned above, but also for joint interviews in the entrance examination.

Secondly, the CU-TMDU Research and Education Collaboration Center in Thailand, equipped with a computer, copy machine, tables and chairs and a video conferencing system, has been used for entrance examination preparations, meetings before and after the entrance examination and sending answer sheets to TMDU by e-mail. It is also used for meetings with TMDU members and students when TMDU members visit CU. Furthermore, the JDP coordinator has used the Center's room for her paperwork. One of the equipment in this center was renewed.

Furthermore, TMDU and CU jointly conducted faculty development and meeting so that representatives of committees could share common understanding of problems occurring during each year.

### Evaluation of 1-1. Joint implementation structure

Assessment criteria		2017	2018	2019	2020	2021	2022	2023
IV	Achieved more than was planned.							
III	Plan was achieved.	✓	✓	✓	✓	✓	✓	✓
II	Plan was not achieved sufficiently.							
I	Plan was not achieved.							

#### ➤ Evaluation of current situation

- The joint implementation structure was revised to be the well-designed one. Usual communications between the two universities have been well carried out regularly once a month.

#### ➤ Proposals for improvement

- There is no proposal to improve the joint implementation structure.
- The online document tool is being used to the collaboration jobs such as the making of

the self-assessment report.

## 1-2. Policies

### 1-2-1. Diploma Policy

#### Evaluation indicator

Diploma Policy is determined based on the educational objectives and published, and completion of the program is approved in a fair and strict manner.

#### Plan

Establish Diploma Policy in the light of the Human Resources Development Goals of this program and confer degrees.

#### <Human Resources Development Goals>

The program is devoted to developing researchers who are well-versed in specialized knowledge that spans the life sciences, especially orthodontics, and who act as global leaders and cooperate closely with their counterparts in other fields; educators who are rich in spirit and have highly developed expertise in devising and implementing effective educational strategies; highly specialized medical professionals who have uncompromising ethical views and passionate interest in research; and opinion leaders who will act as pioneers in a new and more progressive era.

#### Current situation

The Diploma Policy was determined as below based on the Human Resources Development Goals, with the mutual consent of TMDU and CU.

#### <Diploma Policy>

The program confers the degree of Doctor of Philosophy on students who attain the required credits and pass the dissertation defense and final examinations. Degree recipients must also fulfill the following requirements.

- (1) Ability to acquire technical knowledge in English as a common language, and communicate smoothly in English.

- (2) Ability to continue learning in one's specialty field for life.
- (3) Ability to understand and speak on current issues in the fields of dentistry, especially orthodontics, not only in Japan and Thailand but also in Southeast Asia; prioritize critical problems; plan research and formulate proposals needed to solve such problems.
- (4) Ability to be a leader in research, education and dental treatment, coordinating with the respective people overseas in the fields of medical and dental sciences, especially orthodontics.

The Diploma Policy is usually explained by TMDU and CU faculty members in guidance for new students. For this year, there is no new students in this program, but TMDU and CU have reached a decision to confer a doctoral degree on one student in December 2022 and two students in July 2023.

## 1-2-2. Curriculum Policy

### Evaluation indicator

- Curriculum Policy is clearly indicated and published based on the educational objectives.
- Academic curricula are organized and implemented based on Curriculum Policy.

### Plan

Establish the Curriculum Policy to provide an environment for students to acquire essential knowledge, skills, experience and leadership for their degree and to become highly specialized medical professionals and formulate curriculum.

### Current situation

The Curriculum Policy has been established as follows with the mutual consent of TMDU and CU. TMDU and CU add a Curriculum Policy (7).

### <Curriculum Policy>

The curriculum has been designed based on the following policies in order to create an

environment in which students can acquire the knowledge, skills, experience and leadership abilities necessary to obtain a degree and become a highly specialized medical professional.

- (1) Establish basic and special subjects related to orthodontics to foster professionals with strong capabilities in research, in-depth specialized knowledge, thinking skills and high standards of ethics, who can contribute to the world through research.
- (2) Establish clinical subjects that enable students to acquire expert knowledge and skills in clinical orthodontics.
- (3) Organize presentation-style participatory seminars to enable students to acquire fundamental capabilities in orthodontics.
- (4) Organize special lectures on special subjects that enable students to define problems in various situations which can be objects of study, scientifically analyze them, create science-based solutions for them, and evaluate the results of solving them.
- (5) Establish Practice of Research as a special subject to enable students to plan and carry out research which contributes to the world, and establish Experimentation and Thesis Writing as a subject to aid writing dissertations with the essential content.
- (6) Evaluate student academic performance based on formative and summative criteria, as described in the syllabus, in order to achieve educational goals.
- (7) Evaluate thesis/dissertation strictly based on diploma policy, and conduct thesis/dissertation defense and final examination appropriately.

5-year academic curricula were formulated and implemented based on the Curriculum Policy (Table 2). The Curriculum Policy is publicly available on websites.

(Table 2)

Field	Subject	Credits
(1) Basic subjects	• Bone Biology	2
	• General Orthodontics	1
	• Essential Orthodontics	2
	• Seminar in Basic Orthodontics	1
(2) Special subjects	• Doctoral Dissertation Seminar	24
	• Orthodontic Sciences special lecture	6
	• Orthodontic Sciences research practice	8
	• Orthodontic Sciences Experimentation and Thesis Writing	10
	• Maxillofacial Orthognathics special lecture	6
	• Maxillofacial Orthognathics research practice	8
	• Maxillofacial Orthognathics Experimentation and Thesis Writing	10
(3) Clinical subjects	• Orthodontic Techniques	3
	• Multidisciplinary Treatment Procedures	2



•Orthodontic Practical Exercise	1
•Seminar in Advanced Orthodontics	1
•Orthodontic Clinical Training I	2
•Orthodontic Clinical Training II	1
•Orthodontic Clinical Training III	4
•Advanced Orthodontic Clinical Training I	1
•Advanced Orthodontic Clinical Training II	3
•Advanced Orthodontic Clinical Training III	1
•Photography and Computer in Orthodontics	1
•Skill in Orthodontic Teaching	1
•Writing a Research Proposal in Dentistry	1
•Writing a Research Report in Dentistry	1

### 1-2-3. Admission Policy

#### Evaluation indicator

Clear Admissions Policy is established and entrance examination is conducted in accordance with the policy.

#### Plan

Establish the Admission Policy in the light of Human Resources Development Goals (refer to item 1-2-1), and conduct entrance examinations.

#### Current situation

The Admissions Policy was established as follows with the mutual consent of TMDU and CU. TMDU and CU add Basic Entrance Examination Policies on Admission Policy.

#### <Admissions Policy>

#### 《What We Expect of Our Students》

This program aims to foster highly skilled experts as well as global leaders who possess a wealth of knowledge and techniques in the field of dentistry, especially orthodontics, not only in Japan and Thailand but also in Southeast Asia. Qualified applicants who meet any of the following criteria are therefore highly encouraged to apply for our program.

- (1) Eager to acquire advanced clinical abilities, basic knowledge and techniques in the field of orthodontics, or understanding grounded in the latest research in the field of orthodontic sciences and maxillofacial orthognathics.
- (2) Eager to be an independent basic-clinical researcher in the fields of orthodontics with the capacity to take the lead in national/international clinical research projects or clinical education upon completion of course.

#### 《Basic Entrance Examination Policies》

Applicants are evaluated in a comprehensive manner through various examinations, including a written examination to appraise basic knowledge and essay ability required for research in specialized fields, a practical examination to evaluate basic technical capabilities, and an oral examination and application document to assess aptitude and motivation.

TMDU and CU conduct entrance examination in accordance with the policy. The policy and details of the entrance examinations have been clarified in the Student Application Guide and on TMDU and CU websites.

Entrance examination subjects were set to meet the Admissions Policy. The entrance examinations consist of a written examination on orthodontics, wire-bending test, essay examination and joint interview. The written examination and wire-bending test are to determine if a candidate possesses basic knowledge and techniques in the field of orthodontics. The essay examination and joint interview determine if a candidate is eager to acquire high-level clinical abilities, knowledge and techniques in the field of orthodontics, or understanding of orthodontic sciences and maxillofacial orthognathics based on the latest research in these fields, and has the potential to be an independent basic clinical researcher in the field of orthodontics with the capacity to take the lead in national/international clinical research projects or clinical education.

All entrance examinations were conducted in accordance with the Admissions Policy, and three candidates passed in each exam.

## ***Evaluation for 1-2. Policies***

Assessment criteria		2017	2018	2019	2020	2021	2022	2023
IV	Achieved more than was planned.							
III	Plan was achieved.	✓	✓	✓	✓	✓	✓	✓
II	Plan was not achieved sufficiently.							
I	Plan was not achieved.							

### ➤ **Evaluation of current situation**

The current policies, both diploma, and curriculum are performed very well. The Diploma Policy, Curriculum Policy, and Admissions Policy have been well applied and conducted. Some high conditions such as the high score of English proficiency was adjusted to the sufficient level to recruit more candidates.

### ➤ **Proposals for improvement**

The recruitment for the future Ph.D. candidates should be announced earlier and be more persuasive in order to get a bigger number of eligible and excellent applicants. Although the firm diplomas have been established, it is important to advertise the JDP by using social media to recruit more promising students.

## 1-3. Quality assurance system

### 1-3-1. Self-assessment

#### Evaluation indicator

Self-assessment is implemented and the results are published, and reflected in the educational and research activities.

#### Plan

TMDU and CU will evaluate the educational and research activities of this program, and write self-assessment reports.

#### Current situation

To write self-assessment, program evaluation by the students will be implemented. The result of this evaluation will be shared with TMDU and CU faculty members and utilize for writing a self-assessment report. The report is jointly written by both universities based on the evaluation categories, providing an evaluation of the current situation and proposals for improvement. This report will be published in the universities' websites and also reviewed in the Course Administrative Committee for improvement of the JDP.

#### <History of self-assessment>

	Term for evaluation	Implementation
1 <sup>st</sup> self-assessment	August 2016-July 2017	January 2018
2 <sup>nd</sup> self-assessment	August 2017-July 2018	January 2019
3 <sup>rd</sup> self-assessment	August 2018-July 2019	January 2020
4 <sup>th</sup> self-assessment	August 2019-July 2020	January 2021
5 <sup>th</sup> self-assessment	August 2020-July 2021	December 2021
6 <sup>th</sup> self-assessment	August 2021-July 2022	September 2022
7 <sup>th</sup> self-assessment	August 2022-July 2023	September 2023

Regarding external assessment, please refer to the next item, 1-3-2.

## 1-3-2. External assessment

### Evaluation indicator

After carrying out the external assessment, the results are published and reflected in educational and research activities.

### Plan

TMDU and CU will undergo an external evaluation by the University Quality Assurance System based on the self-assessment report. External evaluators will consist of outsourcing veterans and professors from other universities, which have doctoral programs in relevant fields and experience in granting doctoral degrees.

### Current situation

External assessments have been implemented by two external assessors based on the self-assessment report, and each assessment will be combined into one assessment report. The report will be published in both universities' websites, and also fed back to TMDU and CU faculty members for improvement of educational and research activities. Since 6<sup>th</sup> external assessment, TMDU offered a new external assessor to write external assessment report so that getting evaluated from a new perspective.

#### <History of external assessment>

	Term for evaluation	Implementation
1 <sup>st</sup> external assessment	August 2016-July 2017	February 2018
2 <sup>nd</sup> external assessment	August 2017-July 2018	February 2019
3 <sup>rd</sup> external assessment	August 2018-July 2019	February 2020
4 <sup>th</sup> external assessment	August 2019-July 2020	February 2021
5 <sup>th</sup> external assessment	August 2020-July 2021	February 2022
6 <sup>th</sup> external assessment	August 2021-July 2022	December 2022
7 <sup>th</sup> external assessment	August 2022-July 2023	December 2023

In the previous external assessment, generally good ratings are received, but both external assessor pointed out declining the number of candidates.

In accordance with this, TMDU and CU actively recruited students. As a result of the recruitment, there were 3 applicants and 2 were expected to be admitted.

### 1-3-3. Feedback of assessment results

#### Evaluation indicator

- Opinions of university members (students and faculty members) obtained in order to ensure proper use of the results in concrete, sustainable improvement of educational quality.
- Opinions of external parties are utilized properly toward concrete, sustainable improvement of educational quality
- Faculty development is properly managed, and leads to improvement of educational quality and coursework.

#### Plan

In this program, students will be asked to complete questionnaires on the subjects. Also, supervisors will listen to students' opinions via the video conferencing system. Questionnaire results and opinions will be fed back to faculty members, and utilized for improvement of educational quality. The Liaison Council will examine educational effectiveness, and reflect the findings in the curriculum, supervising method and entrance examination.

In order to develop faculty members' educational skills, TMDU and CU plan to conduct faculty development seminars to exchange relevant information such as on curriculum planning and making teaching materials.

#### Current situation

CU administered a questionnaire to students and supervisors. The results are presented and examined at a meeting called by the Course Administrative Committee. Furthermore, TMDU and CU conduct a video workshop on faculty development seminars jointly with Mahidol University and University of Chile which also manage Joint Degree Programs with TMDU. In concrete terms, we shared information on improving faculty members' teaching skills (especially online) as well as the classes.

#### <History of Faculty Development Seminar>

	Implementation
1 <sup>st</sup> Faculty Development Seminar	February-March 2018
2 <sup>nd</sup> Faculty Development Seminar	February-March 2019
3 <sup>rd</sup> Faculty Development Seminar	February-March 2020
4 <sup>th</sup> Faculty Development Seminar	February-March 2021
5 <sup>th</sup> Faculty Development Seminar	February-March 2022
6 <sup>th</sup> Faculty Development Seminar	February-March 2023

## 1-3-4. Information publication

### Evaluation indicator

Information such as that on educational activities (including the items defined in paragraph 2, article 172 of the Enforcement regulations of the school education Law, MEXT) will be publicized.

### Plan

The Public Relations Section of TMDU will carry out planning of publicity, provide an overview of TMDU and issue PR brochures. They will provide information on industry-academia-government collaboration, educational and research activities and TMDU activities that contribute to society. CU will also provide information proactively. Once the JD program is established, information on the program will be provided to students and the public in English.

### Current situation

Through cooperation between TMDU and CU, information on educational and research activities is available on the university websites in Japanese, Thai and English. TMDU has completely revamped its website (English and Japanese) (\*1).

Moreover, newsletters have been regularly published to inform the public about the current situation of the JD program operation. TMDU and CU have been considering types of publicity such as admission guidance for graduate school.

Website URL:

<https://www.tmd.ac.jp/cmn/jdp/tmdcu.html>

(\*1) Information on educational and research activities provided on the JDP website

- University's educational objectives
- Basic organization for education and research
- Faculty members' information
- Number of admissions, admission quota, number of enrolled students
- Subjects' details, teaching method, curriculum
- Facilities, research environment
- Tuition fees, admission fees

## ***Evaluation for 1-3. Quality assurance system***

Assessment criteria	2017	2018	2019	2020	2021	2022	2023
IV   Achieved more than was planned.							
III   Plan was achieved.	✓	✓	✓	✓	✓	✓	✓
II   Plan was not achieved sufficiently.							
I   Plan was not achieved.							

### ➤ **Evaluation of current situation**

- The program has had the complete quality assurance system comprising self-assessment, external assessment, feedback of assessment result and publication as the following timeline. Self-assessment was undergone in September 2022, and external assessment was undergone from October 2022. The complete external assessment report was reported in December 2022. The feedback of external assessment was being publicized and shared with faculty members through faculty development. Information about the program was publicized on the website.
- The quality assurance system is going to be performed during the first quarter of 2023 according to the schedule of the previous one.

### ➤ **Proposals for improvement**

- All the comments from the external reviewers and stakeholders have been carefully considered. The plan for improvement is immediately established and implemented using the feedbacks. The information of the assessment results was distributed to all the associate faculty members.



## **2. Operation of JD Program**

### 2-1. Progress of JD Program operation

Evaluation indicator
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Program is operated properly as planned.
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#### **Plan**

TMDU and CU will jointly conduct the entrance examination. After successful applicants have matriculated in the program, both universities will give the students appropriate guidance, confirm the completion of course registration and assign research supervisors to them. At the end of each semester, credits for subjects will be recognized upon approval by the Course Administrative Committee. The students will develop their own research projects, receive advice from their supervisors and present their dissertation proposal to the Course Administrative Committee. The students have to pass the qualifying examination by the end of the 2<sup>nd</sup> academic year and the dissertation proposal by the end of the 3<sup>rd</sup> academic year. TMDU will prepare for accepting students so that they can start their research at TMDU in June.

#### **Current situation**

Entrance examinations were jointly conducted, and two or three students matriculated for this program constantly as described in the page 21 of this report.

After new students enrolled in this program, guidance is provided to the students by TMDU and CU faculty members. In it, CU explains the following matters: JDP history, MOU, Diploma Policy, course structure, tuition fees and payment method, subjects and TMDU's dormitory. After the guidance, the students register for subjects for the first semester. TMDU explains the orthodontic science and maxillofacial orthognathic laboratories, conducts interviews with students, and discusses students' research plans with them.

Based on the discussions with the students, one TMDU supervisor and one CU supervisor are assigned to each student. As steps to the conferring diploma, the supervisors interview students in the qualifying examination at the end of the first year and Thesis/Dissertation Proposal Exam by the end of the third year, and give them advice on their research progress.

All students have acquired credits of the compulsory subjects so far. This year, one

student who matriculated in 2016 and two students who matriculated in 2018 have eventually passed the dissertation defense and completed this JD program.

The third-year students who arrived in Japan in March 2022 completed their studies at TMDU and returned to Thailand in June 2023 even though their arrival was delayed than planned because of COVID-19. They took a Thesis / Dissertation Proposal Examination in November at TMDU and passed the exam.

Although it was behind the original schedule, the second-year students arrived in Japan and started their research at TMDU in December 2022. They are expected to complete their studies at TMDU by February 2024.

- Scholarships

To support students financially, students applied for university scholarships from CU and were provided budgets for attending academic meetings. TMDU successfully applied for JASSO (Japan Student Services Organization) scholarships for all 3 students to receive scholarships.

- Housing

TMDU provided three rooms at TMDU Ichikawa Dormitory. TMDU administrative staff and the coordinator helped students to complete the moving-in procedure and gave them a tour of the dormitory.

- Others

TMDU staff supported students, by helping them with resident registration, opening bank accounts, and signing up for health insurance.

### ***Evaluation for 2-1. Progress of JD Program operation***

Assessment criteria		2017	2018	2019	2020	2021	2022	2023
IV	Achieved more than was planned.							
III	Plan was achieved.	✓	✓	✓	✓	✓	✓	✓
II	Plan was not achieved sufficiently.							
I	Plan was not achieved.							

#### ➤ **Evaluation of current situation**

- Written examination, wire-bending examination, and essay examination were conducted

at CU. The subsequent joint interview was conducted through a video conferencing system.

- CU and TMDU jointly conducted the entrance examination 2023, and there were 3 applicants and 2 of them will matriculate to this JDP.
- Qualifying Examination and Thesis/Dissertation proposal examination which is compulsory for graduation have been conducted and all students have passed the exams so far.
- Dissertation defense has been conducted and all two students who matriculated in 2018 have passed it. The remaining one student who matriculated in 2016 complete the JD program in December 2022. CU and TMDU have produced eight graduates through this JD program in total.

### ➤ **Proposals for improvement**

TMDU professors restart to visit CU for student guidance. The students should have the opportunity to visit TMDU to see the laboratories because this would be informative and beneficial to their research. CU tries to provide scholarships to students as early as possible. The feedback from self-assessment from staff, students and external evaluators will be considered for improvement of program operation. TMDU professors should take the preparatory action to facilitate to file the ethical approval before the research is started, if necessary.

## 2-2. Fulfillment of student capacity

### Evaluation indicator

- Admissions Policy, Curriculum Policy and Diploma Policy are properly publicized and disseminated.
- Number of enrollments versus admissions quota is appropriate.

### Plan

- Information such as on awarded degree, requirements for completion, curriculum, academic calendar, fees, hours per credit, scholarships and student welfare and student support will be notified in the Admission Guide and on the website.
- The admission quota for this program will be three, and it is expected that 1 - 2 Japanese and Thai candidates will apply.

### Current situation

Both universities publicize important information, such as that regarding Admissions Policy, Curriculum Policy and Diploma Policy on their websites. All fresh necessary information is also available in the Application Guide and on websites as follows in both Japanese and English.

- Awarded diploma
- Completion requirements
- Content and method of education
- Academic calendar
- Tuition fees
- Credit hours
- Student support (scholarships, student benefits)

Number of admissions versus admissions quota has been appropriate (Table 3).

(Table 3) +Admissions quota = 3

Year	Period of exam	Number of applications	Number of Successful applicants
2016	May-June	9	3
2017	April-May	6	3
2018	April-May	7	3
2019	March-April	5	3
2020	April-May	5	3
2021	February-March	4	2
2022	April-May	0	0
2023	April-June	3	2

### Evaluation for 2-2. Fulfillment of student capacity

Assessment criteria		2017	2018	2019	2020	2021	2022	2023
IV	Achieved more than was planned.							
III	Plan was achieved.	✓	✓	✓	✓	✓		✓
II	Plan was not achieved sufficiently.						✓	
I	Plan was not achieved.							

### ➤ **Evaluation of current situation**

- The ratios of successful admission/number of applicants were 3/9 in 2016, 3/6 in 2017, 3/7 in 2018, 3/5 in 2019, 3/5 in 2020, 2/4 in 2021, 0/0 in 2022 and 2/3 in 2023. Student capacity fulfilled in 2016, 2017, 2018, 2019 and 2020. There will be one vacancy in 2021, three vacancies in 2022 and one vacancy in 2023.
- For increasing the number of applicants, one of the application qualifications about English ability test was modified from “CU-TEP 80 or more” into “CU-TEP 75 or more”, and this modification was applied to the entrance examination in 2020.
- Information on the curriculum is easily assessed on the first page of CU’s website. Applicants can find more details on the graduate school office website when they start the application process.
- For publicizing the JDP in the international level, the brochure introducing the JDP will be distributed at the international conference.

### ➤ **Proposals for improvement**

- Recruitment of international students is still the subject to make challenge. However, the multimedia clip for publicizing the JDP in the international level was successfully produced and is going to be distributed and posted online in several social platforms.

## 2-3. Syllabuses

### Evaluation indicator

Appropriate syllabuses have been prepared and are in operation.

### Plan

Syllabuses which include important information such as that on Admissions Policy, Curriculum Policy, Diploma Policy and assessment will be publicized on the website. Syllabuses will be written in both Japanese and English.

### Current situation

The syllabuses in Japanese and English are available on both universities’ websites. The

syllabus includes Human resource developing goal, Admission Policy, Curriculum Policy, Diploma Policy, Course registration, Assessment, and Information for students. The syllabus is checked and revised every year.

<Syllabus in the TMDU website>

<https://www.tmd.ac.jp/cm/jdp/tmdcu/syllabus.html>

<Syllabus in the CU website>

EN: <http://www.dent.chula.ac.th/en/programs/48012/>

TH: <http://www.dent.chula.ac.th/programs/17217/>

### ***Evaluation for 2-3. Syllabuses***

Assessment criteria		2017	2018	2019	2020	2021	2022	2023
IV	Achieved more than was planned.							
III	Plan was achieved.	✓	✓	✓	✓	✓	✓	✓
II	Plan was not achieved sufficiently.							
I	Plan was not achieved.							

#### ➤ **Evaluation of current situation**

- The syllabuses for JDP have been published and updated every year on CU website both in English and Thai and on TMDU website both in English and Japanese.

#### ➤ **Proposals for improvement**

- Self-assessment and external assessment on the contents of syllabuses could be performed to improve the program.

## 2-4. Evaluation method and criteria

(Grading, recognizing credits and completion of the course)

### Evaluation indicator

Evaluation methods and criteria (grading, recognition of credits, and completion of the course) are established for each subject. They are being conducted properly in a fair manner, and have been disclosed to students.

### Plan

- Credit recognition will be examined and approved through deliberation by both universities' faculty members in the Course Administrative Committee.
- The performance of each student in courses at TMDU will be graded on a 6-point scale, as follows, in order to make each student's level of attainment more visible. This is based on the TMDU Graduate School Regulations, paragraph 19.
  - 4.0=A+, 3.5=A, 3.0=B, 2.0=C, 1.0=D, 0.0=F
  - Grade 2.0 (=C) will be deemed to be the minimum pass grade.
  - In English, grades are fixed as A+= Superior, A= Excellent, B=Good, C=Fair, D and F= Failing.
- The performance of each student in courses at CU will be graded on an 8-point scale, as follows, to make each student's level of attainment more visible.
  - 4.0=A, 3.5=B+, 3.0=B, 2.5=C+, 2.0=C, 1.5=D+, 1.0=D, 0.0=F
  - Grade 2.0 (=C) will be deemed to be the minimum pass grade.
  - In English, grades are fixed as A=Excellent, B+=Very Good, B=Good, C+=Fairly Good, C=Fair, D+=Poor, D=Very Poor, and F=Failing.
- Standards for Specific Behavioral Objectives (SBOs) are set as follows (Table 4).
- The Performance of each student for the subjects evaluated as S (Satisfactory) or U (Unsatisfactory) shall be calculated based on the criteria in Table 5, notwithstanding the provision of the above.
- Both universities will record students' performances after converting their grades using the conversion table.
- Standards for Specific Behavioral Objectives will be indicated in the syllabuses, and also posted on the websites of the universities.

### Current situation

Grades for each subject are assigned by the university which established the subject, and the grades are approved at Course Administrative Committee meetings jointly conducted by

TMDU and CU. After approval, the grades of TMDU and CU are converted to the other party's grades based on the grade conversion Table 4 and Table 5.

Regarding recognition of credits, the Course Administrative Committee calls a meeting to confirm assessments, and when the assessment is better than the C grade of TMDU and CU, credits for the subject are recognized.

Evaluation standards and the evaluation method are explained to students on websites.

(Table 4)

TMDU			CU			Standards for Specific Behavioral Objectives (SBOs)
GP	Grade		GP	Grade		
4.0	A+	Superior	4	A	Excellent	All SBOs were achieved beyond expectation.
			3.5	B+	Very Good	
3.5	A	Excellent	3	B	Good	All SBOs were achieved.
3.0	B	Good	2.5	C+	Fairly Good	Most SBOs were achieved.
2.0	C	Fair	2	C	Fair	The minimum SBOs necessary were achieved.
1.0	D	Failing	1.5	D+	Poor	The minimum SBOs necessary were not achieved.
			1	D	Very Poor	
0.0	F		0	F	Failing	Unable to evaluate based on insufficient SBOs.

(Table 5)

TMDU			CU		
GP	Grade		GP	Grade	
NA	S	Satisfactory	NA	S	Satisfactory
NA	U	Unsatisfactory	NA	U	Unsatisfactory

### ***Evaluation for 2-4. Evaluation method and criteria***

Assessment criteria		2017	2018	2019	2020	2021	2022	2023
IV	Achieved more than was planned.							



III	Plan was achieved.	✓	✓	✓	✓	✓	✓	✓
II	Plan was not achieved sufficiently.							
I	Plan was not achieved.							

➤ **Evaluation of current situation**

- The grading system has been used effectively. A comparison table for grade conversion has also been practically applied.

➤ **Proposals for improvement**

- Until now, there is no issue to propose for improvement.

## **3. Student Support**

### 3-1. Student support system

#### 3-1-1. Accommodation

Evaluation indicator

Appropriate housing support for students is ensured.

**Plan**

Accommodation will be provided to students from both TMDU and CU.

**Current situation**

TMDU provides rooms in the TMDU Ichikawa Dormitory to students while they conduct research in Japan. Both TMDU and CU provide the necessary support for students to begin their new lives in Japan through cooperation between coordinators and administrative staff. The support includes the introduction to the dormitory, helping students to fill out the registration

forms, providing consultation on dormitory life, providing necessary items such as bedclothes and explanation of the Wi-Fi service.

Although the third-year student's travel date was delayed and the travel date period overlapped for half of a year with that of the next year's student, TMDU could provide rooms for all JDP students.

### 3-1-2. Research environment

#### Evaluation indicator

Educational environment that provides education according to instruction goals is established.

#### Plan

- One supervisor from each university will be assigned to each student before starting courses so that the student can receive research guidance from both universities.
- Both universities will make available their respective facilities and properties, such as TMDU's Yushima campus and CU's Faculty of Dentistry campus. Thus, the necessary environment for graduate education and research under JDP will be established, which will enable multifaceted instruction and research to be conducted.

#### Current situation

- Students' research work has progressed smoothly by assigning one supervisor from each university to each student. While the students conduct their research at TMDU, TMDU faculty members supervise them utilizing cutting-edge equipment, and give chances to join some seminars both inside and outside of the university. The students are provided desks in the Common Research Room to help them conduct their research more effectively. For 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> year students, TMDU and CU have interviews with the students and grasp their research progress and give appropriate advice.
- While the students conduct research at CU, TMDU supervisors contact students about once a month to discuss students' work progress via e-mails or video conferences.

### 3-1-3. Financial support

#### Evaluation indicator

Adequate financial support for students is ensured.

#### Plan

- In order to support JDP students who matriculated at TMDU financially, TMDU plans to award scholarships from the TMDU fund to students with outstanding research performance.
- For those who matriculated at CU, TMDU plans to provide financial support from the TMDU fund.

#### Current situation

- Before students who matriculated at CU started their 1-year research activities at TMDU, TMDU applied for JASSO scholarships (80,000JPY/month) for them and they were granted. Even if the students extend their stay in Japan for a few months, they were able to grant the JASSO scholarships.
- TMDU and CU continue to look for more means of financial support, such as through private scholarships or the Student Exchange Support Program (Scholarships for Short-term Study in Japan).

#### Evaluation for 3-1. Student support system

Assessment criteria		2017	2018	2019	2020	2021	2022	2023
IV	Achieved more than was planned.	✓	✓	✓	✓	✓	✓	✓
III	Plan was achieved.							
II	Plan was not achieved sufficiently.							
I	Plan was not achieved.							

### ➤ **Evaluation of current situation**

- All 5<sup>th</sup>-year, 4<sup>th</sup>-year and two 3<sup>rd</sup>-year JDP students have received the scholarship called “100th Anniversary Chulalongkorn University Fund for Doctoral Scholarship”. One 3<sup>rd</sup>-year student did not received the scholarship. Fortunately, he has the financial support from his workplace (School of Dentistry, Mae Fah Luang University) as a faculty. Since 2021, the “100th Anniversary Chulalongkorn University Fund for Doctoral Scholarship” had been stopped. Therefore, the 2<sup>nd</sup>-year students could not get this scholarship. However, one student still has received the support from Chulalongkorn University to waive her tuition fee. The other 2<sup>nd</sup>-year student has the financial support from her workplace (Institute of Dentistry, Suranaree University of Technology) as a faculty. There is no 1<sup>st</sup>-year student during this term of assessment.
- The 4<sup>th</sup> year students were arranged to attend the publication camp, held by Office of Research Affairs, Faculty of Dentistry, CU, to prepare their research manuscripts and get the language editing from the native English professors.
- While JDP students stay in Japan, TMDU were flexible about scholarships and accommodations depending on the number of students and length of their stay.

### ➤ **Proposals for improvement**

- CU and TMDU should continue to cooperate more in gaining scholarships to support students from their governments or other organizations.
- The advisor and co-advisor for each research project should continue to share information on the progress of students’ research project frequently, so that the occurred problem can be promptly resolved.