

**Global Program in Dentistry and Dental
Medicine in India and ASEAN**

Program Guideline

Curriculum

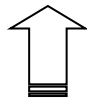


Tokyo Medical and Dental University
Graduate School of Medical and Dental Sciences

Overview of Global Program in Dentistry and Dental Medicine in India and ASEAN

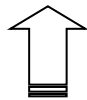
Diploma Policy (PhD in Dentistry/Science)

This course is devoted to developing researchers who have a high level of specialized knowledge in dentistry 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 dental professionals who have uncompromising ethical views and a passionate interest in research; and opinion leaders who will act as pioneers in a new and more progressive era.



Curriculum Policy (four-year course; matriculation in October; graduation in September)

This course is based on a well-balanced combination of coursework and research. Students will take various courses mainly in their first and second years, and will also be able to take seminars, special lectures and other programs geared for graduate students according to their interests (please see the description of subjects in the course work section). In order to attain comprehensive clinical knowledge and skills, students can also take clinical practice sessions offered by clinical sections. Students will engage in research work within the framework of a multiple-mentor system, which will enable them to get advice from instructors with different academic backgrounds. Progress meetings will be held every six months as students work toward the goals of making presentations at international academic meetings and publishing papers in peer-reviewed international journals.



Admission Policy

Applicants to this program are expected to have broad knowledge and skills in dentistry and a habit of learning independently. English is the primary language of instruction in this program. High-level English language ability in reading, listening, speaking and writing contexts, is thus required. Above all, applicants should have a strong, inquiring mind, passion, and patience for conducting research.

Scope

In recent decades, the dental divisions of the Graduate School of Medical and Dental Sciences have been engaged in the establishment of a network of dental educators/researchers in dental sciences in Southeast Asia. From 1996 to 2005, in close coordination with the Faculty of Dentistry, Chulalongkorn University in Thailand, the Faculty of Dentistry TMDU promoted exchange of researchers and collaborative research in various dental science fields through the Core University Program in Dentistry offered by the Japan Society for the Promotion of Science (JSPS).

In 1998, we started to accept international students, mainly from Asia, in a 4-year English-language program entitled “*Graduate Dental Program for International Students (1998-2005)*,” the first course whose academic calendar started in October and ended in September at TMDU. Each of the 43 graduates from this program (28 of whom were Japanese Government Scholarship scholars) succeeded in obtaining a PhD degree. In 2006, based on the experience of the above-mentioned program, a new program entitled “*Advanced Oral Health Sciences Course (2006-2012)*” was initiated and produced additional PhD degree recipients. In the process of screening applicants in both programs, we carefully considered the possibility of each applicant’s contribution to the development of oral health in his/her country of origin and toward the maintenance of a long-lasting relationship with our university.

The third program, entitled “*Global Leader Program in Dental Sciences*,” was conceived to reinforce the network of dental educators /researchers in dental sciences in Southeast Asia and to give the network a new dimension: beyond Asia to the world. Concerning the educational contents, the program focused more on industry-academia cooperation and a deeper understanding of the Japanese dental care system and dental industries in order that graduates of this program will be able to play a key role in collaborating with the Japanese dental community.

“*Fostering Human Resources Program for Expanding TMDU Dental Sciences Global Network*,” the fourth program, was launched in 2017. This program aimed at expanding the previous programs to foster the multinational human resources for disseminating and further developing TMDU-model of sciences research and educational system globally.

The fifth program named “*Global Leadership Campus in Dental Sciences*.” was implemented in 2020. The program accepted applicants, especially from countries of the Middle East and Africa, who would like to obtain the state-of-the-art skills and knowledge, and applied expertise in the data sciences, necessary for becoming global leaders in the international dental community in the new era.

Now, we are ready to open the door to the prospective students from India and ASEAN countries, who aim to pursue the global leaders training at TMDU that has superb reputation in the world university ranking in dentistry to co-study with Japanese students. This program fosters global leaders who will

play a central role in their respective career paths to promote mutual understanding and intellectual contributions with Japan and other countries, and strengthen and expand global human networks, which will be increasingly required in the near future.

Application for Degree (PhD)

1. Dissertation submission qualifications

A student in this PhD program who has been in the Doctor's Course for at least three years and has acquired, as a rule, at least 30 units of credit, is qualified to apply for submission of a dissertation.

2. Dissertation

In principle, a dissertation should be written by a single author and be published. As an exception, if your work is either co-authored and/or is not published, it can be regarded as a dissertation if it is written in English and satisfies Article 3 of the Tokyo Medical and Dental University Graduate School Rules.

In addition, applicants must have published the content of the dissertation by giving a presentation or poster session.

3. Exception for the final judgment at committee

In principle, a final judgment by the Graduate School (Dentistry) Committee is based on an offprint of the dissertation. However, a final judgment can be held on a copy of the dissertation galley proof or on a copy of an electronically published dissertation, with the supervising professor's attestation.

4. Graduation Date

If the PhD application is approved by a final judgment of the Graduate School (Dentistry) Committee by the designated date, the graduation date will be 30th September in the fourth year following matriculation.

PhD Degree (Graduation by the end of the third year)

1. Dissertation submission qualifications

- Student: Must have been in the PhD program Doctoral course for at least three years and have acquired, as a rule, at least 30 units.

- Dissertation: Must have been accepted for publication or have already been published in an academic journal with the student as a first author. In addition, the dissertation must satisfy the stated criteria in (2) below.

2. Criteria for dissertation

- (1) The dissertation should be accepted (with a letter of acceptance) by a journal listed in the Scientific Citation Index (SCI).
- (2) The journal in (1) above must have an impact factor of at least 3.0.

* Students can add the impact factor of another paper. (The student must be the first author of the other paper.)

3. Certification of excellent researcher

- (1) Certification of Excellent Researcher is made by a decision of the Graduate School (Dentistry) Committee after discussion by the Committee on Dissertations.
- (2) The head professor of the candidate's major must explain that a candidate can be deemed an Excellent Researcher via documents or by a presentation to the Graduate School (Dentistry) Committee.

Description of Subjects in Coursework

Four Featured Elective Basic Courses

➤ **Clinical Dental Training Course**

Students will develop further clinical skills under the supervision of certified clinicians in the dental hospital. The patients are mainly foreigners living in Japan. Those who can communicate in Japanese can treat Japanese patients.

➤ **Dental Alliance Training Course**

Students will complete an internship at a private dental clinic or a dental company to deepen their understanding of dentistry and dental care in Japan.

➤ **Community Dental Health Training Course**

Students will participate in oral health care activities at health centers, schools, and facilities for the elderly to understand the overall oral health care system in Japan.

➤ **Dental Education Training Course**

Students in this program are expected to become a leader in dental education in each country. Students will experience teaching Japanese undergraduate dental students as teaching assistant to learn about various teaching methods in dental education. Exchange of information and opinion with other international students from different countries as well as with Japanese instructors will be conducive to their future role as a leader in dental education.

Two Applied Elective Courses

➤ **Global Clinical Expert Course**

Students will participate in a short-term intensive lectures, observation, and hands-on practice by up-and-coming young faculty members in multiple specialties such as prosthetics, cariology/preventive dentistry, and orthodontics. Support for students to step up to become specialists after returning to their home countries and provide career paths as comprehensive leaders in cross-specialty clinical education, research, and practice.

➤ **Global Dental Data Sciences Course**

Students will learn to analyze big data specific to dentistry in an integrated manner and analyze the data to respond to the new biomedical era that may become a reality in the near future on an international scale.