

# For entrants in FY 2020

Appended Form 1

## Specifications for Major Program

Name of School (Program) [School of Dentistry, Program of International Dentistry]

Program name (Japanese)	歯学プログラム
(English)	Program of Dentistry
1. Degree: Bachelor (Dentistry)	
2. Outline The School of Dentistry provides the "Program for International Dentistry" based on a foundational philosophy that aims to educate dental medical staff to acquire cross-disciplinary, general, creative, and international capabilities. To enable students to achieve the targets defined for this program, education is provided according to the contents described below: (1) Biodental education in the newly established academic framework that fuses life science and dental medicine and teaches the latest research methods, knowledge, and skills while respecting the existing academic frameworks of life science and dental medicine; (2) Education for developing dental medical staff who are able to collect and analyze required knowledge and information, update their thinking based on such knowledge and information in order to find comprehensive solutions to problems from a variety of points of view, and who possess a mindset that leads them to attempt to judge and act on their own responsibility and with deep humanity; and (3) Education that fosters expressiveness, comprehension, and a rich sensitivity for Japanese and foreign languages, and that develops capabilities for communication with and presentation to persons from different cultures and/or academic realms.	
3. Diploma policies (degree conferment policy & program attainment goals) The Program for International Dentistry will award a degree of Bachelor of Dentistry to students who, in addition to earning the required credits defined for the educational course, have acquired the capabilities described below: (1) Deep humanity, an understanding of the professional responsibilities of a dentist, and the fundamental knowledge, skills, and attitude required for putting such responsibilities into practice; (2) Recognition of the importance of research, as well as possession of a scientific intelligence and creativity; (3) The ability to think critically and solve problems, as well as the ability to study continuously throughout life; (4) The ability to communicate appropriately with patients, their families, and the other medical staff; (5) A capability for coping with change in society and progress in science related to dental medicine; and (6) The ability to deepen empathy and understanding toward different cultures and scientific realms, as well as a capability for convincingly representing personal opinions in an international society.	
4. Curriculum policies (policies for organizing & providing curricula) To enable students to achieve the targets that are defined for the Program for International Dentistry, the educational courses are organized and executed according to the following policies: (1) The liberal arts subjects are provided to enable students to establish the academic foundation required for the	

specialized education, acquire academic and general knowledge, methodology, and points of view, and develop a deep humanity based on a wide-ranging intelligence and the normative consciousness required for medical staff.

- (2) Students are allowed to improve their basic English ability by taking foreign language subjects in the liberal arts education and practical English subjects provided in the specialized education. In addition to this, they join specialized educational subjects that are provided in both Japanese and English (Dual Linguistic Education), and study with students on the International Dental Course and short-term international students, in order to enhance their empathy and understanding toward the cultures of various countries and improve their international communication abilities.
- (3) The specialized education subjects provide biodental education for practicing dental medicine based on life science in order to enable students to acquire the basic knowledge and skills in life science and the specialized knowledge and basic clinical skills required for dentists; to enhance their understanding of scientific literacy, research ethics, and medical ethics; and to develop their scientific thinking abilities and creativity through practical dentistry research and education.
- (4) Students are encouraged to enhance their awareness as future dental practitioners through the practical clinical experience gained in early stages of the course, and to recognize both the importance of the establishment of good human relationships with patients, their families, and other medical staff and the diversity of needs in dental medicine. In addition to this, they acquire the perspectives, knowledge, skills, and attitude required to provide the high-quality dental medicine that citizens require and to take positions of responsibility in local society.
- (5) Integrated dental medicine education is provided for whole the educational course by introducing Problem-based Learning (PBL) and the other educational methodologies as self-leading study methods to enable students to develop the professionalism required for medical staff; improve their problem solving abilities, critical thinking, and ability for lifelong study; and acquire the capabilities required for dental medicine based on the holistic philosophy and general competence required in an international society.

The achievement in education is evaluated based on the result of the common achievement test (Computer Based Testing (CBT) / Objective Structured Clinical Examination(OSCE)), conducted before starting practical clinical exercises, and the result of the common achievement test (Post-Clinical Clerkship Performance examination(Post-CC Px)), conducted during practical clinical exercises, in addition to the grade scores for the subjects in the Program for International Dentistry and evaluation of the achievement level against the target defined for this program, in order to develop dentists with the superior capabilities that are required in society and by citizens.

5 . Start of the program / Admission conditions

First year (at the time of admission)

6 . Qualification(s)

Qualification for the National Board Dental Examination (obtainable on graduation)

7. Class subjects and class content

\* See the Table of Registration Standards on Attached Sheet 1-1 and 1-2 for your class subjects.

\* See the syllabus announced in each fiscal year for class content.

8. Academic achievements

At the end of each semester, evaluation criteria will be shown with a clear indication of attainment levels according to the evaluation items for academic achievements.

Students' learning outcomes from admission to the current semester will be indicated as one of three levels: "Excellent," "Very Good," and "Good," based on evaluation criteria calculated by adding the weighted values to numerically converted evaluations of their academic achievements (S = 4, A = 3, B = 2, and C = 1) in each subject being evaluated.

Evaluation of academic achievement	Converted values
S (Excellent: 90 points or higher)	4
A (Superior: 80 – 89 points)	3
B (Good: 70 – 79 points)	2
C (Fair: 60 – 69 points)	1

Academic achievement	Evaluation criteria
Excellent	3.00 – 4.00
Very Good	2.00 – 2.99
Good	1.00 – 1.99

\* See the relationships between evaluation items and evaluation criteria on Attached Sheet 2.

\* See the relationships between evaluation items and class subjects on Attached Sheet 3.

\* See the Curriculum Map on Attached Sheet 4.

Academic achievements based on the Program (detailed knowledge, skills, and attitude)

○ Knowledge & understanding

1. Knowledge & understanding of liberal arts including the humanities and natural sciences
2. Knowledge of the principles of medicine
3. Knowledge regarding basic and clinical dental medicine
4. Knowledge regarding related areas of medicine
5. Knowledge of life sciences
6. Knowledge & understanding of foreign languages and foreign cultures

○ Abilities & skills

1. Basic skills for prevention, examination, inspection, diagnosis, and treatment of diseases in areas of dental medicine
2. Basic skills required for conducting experiments and presentations
3. Skills for appropriately collecting, selecting, organizing, and presenting information regarding life science and dental medicine

○ Comprehensive abilities

1. Rich humanity, understanding of professional responsibilities of a dentist, and general capabilities including basic knowledge, skills, and attitude required for putting such responsibilities into practice
2. Recognition of the importance of research, scientific intelligence, and creativity
3. Ability to think critically, solve problems, and engage in lifelong learning
4. Skills for appropriately communicating with patients, their families, and other medical staff
5. Ability for coping with change in society and progress in science related to dental medicine
6. Capabilities for coexisting and cooperating with persons from various cultures and regions, and for international communication

9. Graduation thesis (graduation research) (placement and method & time of assignment)

Students are not required to prepare a graduation theses.

10. Responsibility system

The dean room council and the faculty council of the School of Dentistry are engaged in planning for and execution of this course. For the processes of evaluation and action for improvement, the dean of the School of Dentistry consults with the dean room council and the faculty council of the School of Dentistry, and carries out the required actions while taking the results of the consultations into consideration.

Table of Registration Standards for Liberal Arts Education Subjects, School of Dentistry

<Program of Dentistry >

Type	Subject type		Required No. of credits	Class subjects, etc.	No. of credits	Type of course registration			
Liberal Arts Education Subjects	Peace Science Courses		2		2	Elective/required			
	Basic Courses in University Education	Introduction to University Education	2	Introduction to University Education	2	Required			
		Liberal Arts Education	2	Introductory Seminar for First-Year Students	2	Required			
	Common subjects	Area Courses		2	General Health and Oral Sciences I	2	Required		
				2	General Health and Oral Sciences II	2	Required		
				4	From Courses in Arts and Humanities/Social Sciences		Elective/required		
		Foreign Language Subjects	English	Communication I	2	Communication IA ----- Communication IB	1 1	Required (Note 1)	
					2	Communication IIA ----- Communication IIB	1 1		
				Initial Program Languages	2	Communication Seminar I ----- Communication Seminar II	1 1		
			4		From Basic Languages Subjects		Elective/required (Note 2)		
			Information and Data Sciences Subjects		2	Elements of Information Literacy	2		Required (Note 3)
			Health and Sports Subjects		2	Health and Sports Sciences	2		Elective/required
		Practicum in Sports				1			
	Basic Subjects		6	General Chemistry	2	Required			
				Cell Science	2				
				Development of International Collaboration in Medical Science	2				
			4	Basic Calculus	2	Elective/required			
				Basic Linear Algebra	2				
				Fundamental Physics I	2				
				Foundation physics for life science (Note 4)	2				
Foundation biology for life science (Note 4)				2					
Anatomy for understanding human being I	1								
Anatomy for understanding human being II	1								
Total		38							

Note 1 : You can substitute the credits which you have obtained by taking the "Field Research in the English-speaking World" based on shortterm language study abroad or other relevant program, or by taking the "Online English Course I, II & III" based on self-learning for English credits (6 credits) necessary for graduation. Also, there is a Credit Transfer System based on foreign language proficiency tests and language training.

Note 2 : You have to select one language from German, French and Chinese.

Note 3 : When failing to earn the credit for "Introduction to Information and Data Sciences" is it allowed to take the subject from courses in Information and Data Sciences Subjects.

Note 4 : The subjects for which the credit is required to be earned are specified in the School of Dentistry. The credit for any subject that is not specified is not accepted as the credit required for graduation.





## <Program of Dentistry >

Subject type	Class Subject	Minimum No. of credits required	A number of necessary credits by year and semester													
			1		2		3		4		5		6			
			1	2	3	4	5	6	7	8	9	10	11	12		
Advanced subjects	⊙ English for Clinical Bio-Dentistry	1											1			
	⊙ International Future Dentistry with the Outcomes of Researches	1											1			
	⊙ Advanced Course in Functional and Regenerative Oral Medicine	1											1			
	⊙ Advanced Course in Applied Oral Biology and Medicine	1											1			
	⊙ Advanced Course in Oral and Maxillofacial Medicine	1											1			
	⊙ Advanced Course in Growth and Development of Occlusion	1											1			
	⊙ General Seminar on Clinical Dentistry	2											2			
	⊙ General Dentistry II	1											1			
	⊙ General Dentistry III	1											1			
	⊙ General Seminar on Clinical Dentistry	4											4			
	⊙ Cancer Biology	1											1			
	⊙ Emergency and Critical Care Medicine	1												1		
⊙ Dental Research Practices	8									2	4	2				
Subjects of clinical practice	⊙ Early Clinical Exposure	4			1			2				1				
	⊙ Clinical Practice	39													39	
<b>Total</b>			2	4	24	27	26	30	34	22		18	40			
		227	6		51		56		56				58			

⊙ indicates required subjects

### Necessary credits for graduation : 265 credits

#### Liberal Arts Education Subjects

Peace Science Courses	2 credits
Basic Courses in University Education	4 credits
Common subjects	
Area Courses	8 credits
Foreign Languages	
English	6 credits
Non-English Foreign Languages	4 credits
Information and Data sciences Subjects	2 credits
Health and Sports Courses	2 credits
Foundation Courses	10 credits

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Liberal Arts Education Subjects 38 credits

#### Specialized Education Subjects

##### Fundamental subjects

Basic Specialized Courses	12 credits
Subjects of life sciences	54 credits
Medical subjects	12 credits
Subjects of interdisciplinary dentistry	74 credits
Community dentistry	4 credits
Subjects of Dental research	4 credits

##### Advanced subjects

Subjects of clinical practice	
Early Clinical Exposure	4 credits
Subjects of clinical practice	39 credits

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Specialized Education Subjects 227 credits



Academic achievements of Program of Dentistry

Relationships between the evaluation items and evaluation criteria

Academic achievements		Evaluation criteria		
Evaluation items		Excellent	Very Good	Good
Knowledge and Understanding	(1) Knowledge & understanding of liberal arts including the humanities and natural sciences	Being able to correctly explain all contents of each subject, and develop them deepening the learning.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.
	(2) Knowledge of the principles of medicine	Being able to correctly explain all contents of each subject, and develop them deepening the learning.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.
	(3) Knowledge regarding basic and clinical dental medicine	Being able to correctly explain all contents of each subject, and develop them deepening the learning.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.
	(4) Knowledge regarding related areas of medicine	Being able to correctly explain all contents of each subject, and develop them deepening the learning.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.
	(5) Knowledge of life sciences	Being able to correctly explain all contents of each subject, and develop them deepening the learning.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.
	(6) Knowledge & understanding of foreign languages and foreign cultures	Being able to correctly explain all contents of each subject, and develop them deepening the learning.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.
Abilities and Skills	(1) Basic skills for prevention, examination, inspection, diagnosis, and treatment of diseases in areas of dental medicine	To attend hands-on training and other exercises with basic knowledge which is learned ahead of time. Also, participate proactively in these activities, intending to further develop studies. In addition, with regard to reports, to be able to consider phenomenon objectively and to have the ability to objectively assess future tasks.	To attend hands-on training with good attitudes. Also, to further develop what students learn in the training based on principles. In addition, to be able to consider phenomena subjectively in reports.	To be able to develop what students learn in hands-on training. Also, to attend these activities with good attitudes. Also, to be able to describe phenomena subjectively.
	(2) Basic skills required for conducting experiments and presentations	To attend hands-on training and other exercises with basic knowledge which is learned ahead of time. Also, participate proactively in these activities, intending to further develop studies. In addition, with regard to reports, to be able to consider phenomenon objectively and to have the ability to objectively assess future tasks.	To attend hands-on training with good attitudes. Also, to further develop what students learn in the training based on principles. In addition, to be able to consider phenomena subjectively in reports.	To be able to develop what students learn in hands-on training. Also, to attend these activities with good attitudes. Also, to be able to describe phenomena subjectively.
	(3) Skills for appropriately collecting, selecting, organizing, and presenting information regarding life science and dental medicine	Has sufficient capabilities, and finding and studying by himself/herself problems that need to be solved.	Has sufficient capabilities.	Has capabilities.
Comprehensive Abilities	(1) Rich humanity, understanding of professional responsibilities of a dentist, and general capabilities including basic knowledge, skills, and attitude required for putting such responsibilities into practice	Has sufficient capabilities for providing appropriate medical care as a dentist under supervision of a clinical instructor, and finding and studying by himself/herself problems that need to be solved.	Has sufficient capabilities for providing appropriate medical care as a dentist under supervision of a clinical instructor.	Has capabilities for providing appropriate medical care as a dentist under supervision of a clinical instructor.
	(2) Recognition of the importance of research, scientific intelligence, and creativity	Is capable of finding a problem related to life science that needs to be solved, and solving it using scientific methodologies.	Is capable of finding a problem related to life science that needs to be solved, and sufficiently explaining its importance and the process needed to solve it using scientific methodology.	Is capable of finding a problem related to life science that needs to be solved, and explaining its importance and the process needed to solve it using scientific methodology.
	(3) Ability to think critically, solve problems, and engage in lifelong learning	Is able to select and study an appropriate dental treatment by himself/herself based on scientific evidence.	Is able to sufficiently explain the importance and process of selecting and studying an appropriate dental treatment by himself/herself based on scientific evidence.	Is able to explain the importance and process of selecting and studying an appropriate dental treatment by himself/herself based on scientific evidence.
	(4) Skills for appropriately communicating with patients, their families, and other medical staff	Is capable of holistically communicating in a dignified manner with a patient and his/her family, and collaborating with medical staff, to establish an appropriate relationship of trust as a dentist.	Is sufficiently capable of holistically communicating in a dignified manner with a patient and his/her family, and collaborating with medical staff.	Is capable of holistically communicating in a dignified manner with a patient and his/her family, and collaborating with medical staff.
	(5) Ability for coping with change in society and progress in science related to dental medicine	Has wide-ranging intelligence and adaptability, and is able to cope with change in social conditions and innovation in medical technologies.	Has wide-ranging intelligence and adaptability, and is able to sufficiently explain the necessity of coping with change in social conditions and innovation in medical technologies.	Has wide-ranging intelligence and adaptability, and is able to explain the necessity of coping with change in social conditions and innovation in medical technologies.
	(6) Capabilities for coexisting and cooperating with persons from various cultures and regions, and for international communication	Sufficiently understands and has empathy toward various cultures and regions, and is capable of convincingly representing his/her own opinion in an international society.	Understands and has empathy toward various cultures and regions, and is capable of convincingly representing his/her own opinion in an international society.	Understands and has empathy toward various cultures and regions, and is capable of taking part in an international society.

Placement of the Liberal Arts Education in the Major Program

In this Program, students will create the academic foundation required for a specialized education, acquire knowledge through wide-ranging studies in the Humanities, Social Sciences, and Languages, and cultivate intellectual curiosity and the ability to take intelligent actions. They will develop the foundation as a medical expert, by acquiring communication skills and learning cooperation, the ability to collect information, and ideas on bioethics and dignity.







Subject type	Class Subject	No. of credits	Type of course registration	Semesters	Evaluation items																											Total weighted values of evaluation items in the subject									
					Knowledge and Understanding												Abilities and Skills						Comprehensive Abilities																		
					(1)		(2)		(3)		(4)		(5)		(6)		(1)		(2)		(3)		(1)			(2)			(3)				(4)			(5)			(6)		
					Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject		Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject	Weighted values of evaluation items in the subject					
Specialized Education	Social Dentistry	1	Required	6					30	1				30	1								40	1										100							
Specialized Education	Social Welfare	1	Required	6					30	1				30	1								40	1										100							
Specialized Education	Research Start-Up	1	Required	4					30	1				30	1										40	1								100							
Specialized Education	Topics in Dental Research I	1	Required	5					30	1				30	1										40	1								100							
Specialized Education	Topics in Dental Research II	2	Required	5					30	1				30	1										40	1								100							
Specialized Education	English for Clinical Bio-Dentistry	1	Required	9									30	1			30	1														40	1	100							
Specialized Education	International Future Dentistry with the Outcomes of Researches	1	Required	9					30	1				30	1																	40	1	100							
Specialized Education	Advanced Course in Functional and Regenerative Oral Medicine	1	Required	9					30	1				30	1								40	1										100							
Specialized Education	Advanced Course in Applied Oral Biology and Medicine	1	Required	9					30	1				30	1								40	1										100							
Specialized Education	Advanced Course in Oral and Maxillofacial Medicine	1	Required	9					30	1				30	1								40	1										100							
Specialized Education	Advanced Course in Growth and Development of Occlusion	1	Required	9					30	1				30	1								40	1										100							
Specialized Education	General Seminar on Clinical Dentistry	2	Required	9					30	1				30	1								40	1										100							
Specialized Education	General Dentistry II	1	Required	9													30	1					30	1								40	1	100							
Specialized Education	General Dentistry III	1	Required	9													30	1					30	1								40	1	100							
Specialized Education	General Seminar on Clinical Dentistry	4	Required	9			15	1	15	1	15	1	15	1								20	1				20	1						100							
Specialized Education	Cancer Biology	1	Required	9					30	1				30	1								30	1											100						
Specialized Education	Emergency and Critical Care Medicine	1	Required	10							30	1	30	1									40	1											100						
Specialized Education	Dental Research Practices	8	Required	7-9					15	1				15	1				15	1					20	1		20	1						100						
Specialized Education Subjects(Subjects of clinical practice)	Early Clinical Exposure	4	Required	3, 6, 9			25	1	25	1							25	1					25	1											100						
Specialized Education Subjects(Subjects of clinical practice)	Clinical Practice	39	Required	9-12													10	1					10	1		15	1		10	1		15	1	15	1	10	1	100			



Curriculum Map of Program of Dentistry

Academic achievements	1st grade		2nd grade		3rd grade		4th grade		5th grade		6th grade		
	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester	9th semester	10th semester	11th semester	12th semester	
Abilities and Skills	Basic skills for prevention, examination, inspection, diagnosis, and treatment of diseases in areas of dental medicine			Early Clinical Exposure (Ⓢ)			Basic Seminar of Oral Radiology (Ⓢ)	Practice of General Health and Dental Health I (Ⓢ)	General Dentistry II (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	
							Basic Seminar of Dental Anesthesiology (Ⓢ)	Practice of General Health and Dental Health II (Ⓢ)	General Dentistry III (Ⓢ)				
							Early Clinical Exposure (Ⓢ)	Basic Practice of Periodontics I (Ⓢ)	Practice of Dental Prosthesis I (Ⓢ)	Early Clinical Exposure (Ⓢ)			
								Basic Practice of Periodontics II (Ⓢ)	Practice of Dental Prosthesis II (Ⓢ)	Clinical Practice (Ⓢ)			
								Basic Practice of Functional and Regenerative Oral Medicine I (Ⓢ)	Practice of Prosthodontic Treatment for Partial Edentulous Patients I (Ⓢ)				
								Basic Practice of Functional and Regenerative Oral Medicine II (Ⓢ)	Practice of Prosthodontic Treatment for Partial Edentulous Patients II (Ⓢ)				
								Practice of Prosthodontic Treatment for Edentulous Patients I (Ⓢ)	Basic Practice of Oral and Maxillofacial Medicine I (Ⓢ)				
								Practice of Prosthodontic Treatment for Edentulous Patients II (Ⓢ)	Basic Practice of Oral and Maxillofacial Medicine II (Ⓢ)				
									Basic Practice of Oral and Maxillofacial Medicine III (Ⓢ)				
									Basic Practice of Oral and Maxillofacial Medicine IV (Ⓢ)				
Basic skills required for conducting experiments and presentations		Basic Practice of Anatomy I (Ⓢ)	Basic Practice of Histology I (Ⓢ)	Practice of Oral Biochemistry (Ⓢ)	Basic technique for microbiology & immunology (Ⓢ)		Dental Research Practices (Ⓢ)	Dental Research Practices (Ⓢ)	English for Clinical Bio-Dentistry (Ⓢ)				
		Basic Practice of Anatomy II (Ⓢ)	Basic Practice of Histology II (Ⓢ)	Practice of Oral Physiology (Ⓢ)	Practice of Pharmacology (Ⓢ)				Dental Research Practices (Ⓢ)				
			Technical Training for Tooth Carving (Ⓢ)	Dental Materials and Devices Practice I (Ⓢ)	Slide Practice for Oral Pathology I (Ⓢ)								
				Dental Materials and Devices Practice II (Ⓢ)	Slide Practice for Oral Pathology II (Ⓢ)								
Skills for appropriately collecting, selecting, organizing, and presenting information regarding life science and dental medicine	Introduction to University Education (Ⓢ)			Medical Informatics (Ⓢ)			Dental Research Practices (Ⓢ)	Dental Research Practices (Ⓢ)	Dental Research Practices (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	
									Clinical Practice (Ⓢ)				
Rich humanity, understanding of professional responsibilities of a dentist, and general capabilities including basic knowledge, skills, and attitude required for putting such responsibilities into practice	Area Courses (Ⓢ)	Area Courses (Ⓢ)	Peace Science Courses (Ⓢ)	Medical Informatics (Ⓢ)	Basic technique for microbiology & immunology (Ⓢ)	Special Subject (Ⓢ)	Quality and Safety Management in Dentistry (Ⓢ)	Disaster Dentistry and Forensic Odontology (Ⓢ)	Advanced Course in Functional and Regenerative Oral Medicine (Ⓢ)	Emergency and Critical Care Medicine (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	
	Health and Sports Subjects (Ⓢ)	Health and Sports Subjects (Ⓢ)	Medical Ethics (Ⓢ)	Practice of Oral Biochemistry (Ⓢ)	Practice of Pharmacology (Ⓢ)	Oral Radiology II (Ⓢ)	Basic Practice of Endodontics and Operative Dentistry I (Ⓢ)	Practice of General Health and Dental Health I (Ⓢ)	Advanced Course in Applied Oral Biology and Medicine (Ⓢ)	Clinical Practice (Ⓢ)			
	Basic Subjects (Ⓢ)	Basic Subjects (Ⓢ)	Embryology (Ⓢ)	Practice of Oral Physiology (Ⓢ)	Slide Practice for Oral Pathology I (Ⓢ)	Basic Seminar of Oral Radiology (Ⓢ)	Basic Practice of Endodontics and Operative Dentistry II (Ⓢ)	Practice of General Health and Dental Health II (Ⓢ)	Advanced Course in Oral and Maxillofacial Medicine (Ⓢ)				
	Gross Anatomy (Ⓢ)	Basic Practice of Anatomy I (Ⓢ)	Oral Histology (Ⓢ)	Dental Materials and Devices Practice I (Ⓢ)	Slide Practice for Oral Pathology II (Ⓢ)	Examination and Diagnosis (Ⓢ)	Basic Practice of Periodontics I (Ⓢ)	Basic Practice of Dental Prosthesis I (Ⓢ)	Advanced Course in Growth and Development of Occlusion (Ⓢ)				
		Basic Practice of Anatomy II (Ⓢ)	Basic Practice of Histology I (Ⓢ)	Dental Materials and Devices Practice II (Ⓢ)	Radiation Biology & Radiation Health Risk Sciences (Ⓢ)	Dental Health (Ⓢ)	Basic Practice of Periodontics II (Ⓢ)	Basic Practice of Dental Prosthesis II (Ⓢ)	General Seminar on Clinical Dentistry (Ⓢ)				
			Basic Practice of Histology II (Ⓢ)	Microbiology I (Ⓢ)	Internal Medicine I (Ⓢ)	Dental Anesthesiology (Ⓢ)	Oral Implantology (Ⓢ)	Practice of Prosthodontic Treatment for Partial Edentulous Patients I (Ⓢ)	General Dentistry II (Ⓢ)				
			Tooth Morphology (Ⓢ)	Microbiology II (Ⓢ)	Internal Medicine II (Ⓢ)	Basic Seminar of Dental Anesthesiology (Ⓢ)	Basic Practice of Functional and Regenerative Oral Medicine I (Ⓢ)	Practice of Prosthodontic Treatment for Partial Edentulous Patients II (Ⓢ)	General Dentistry III (Ⓢ)				
			Technical Training for Tooth Carving (Ⓢ)	Immunology (Ⓢ)	Surgery I (Ⓢ)	Endodontics (Ⓢ)	Basic Practice of Functional and Regenerative Oral Medicine II (Ⓢ)	Basic Practice of Oral and Maxillofacial Medicine I (Ⓢ)	General Seminar on Clinical Dentistry (Ⓢ)				
			Human genetics (Ⓢ)	Dental Pharmacology I (Ⓢ)	Surgery II (Ⓢ)	Operative Dentistry (Ⓢ)	Practice of Prosthodontic Treatment for Edentulous Patients I (Ⓢ)	Basic Practice of Oral and Maxillofacial Medicine II (Ⓢ)	Cancer Biology (Ⓢ)				
			Oral biochemistry I (Ⓢ)	Dental Pharmacology II (Ⓢ)	Ophthalmology (Ⓢ)	Periodontology I (Ⓢ)	Practice of Prosthodontic Treatment for Edentulous Patients II (Ⓢ)	Basic Practice of Oral and Maxillofacial Medicine III (Ⓢ)	Early Clinical Exposure (Ⓢ)				
Recognition of the importance of research, scientific intelligence, and creativity													
Ability to think critically, solve problems, and engage in lifelong learning	Introduction to University Education (Ⓢ)						Dental Research Practices (Ⓢ)	Dental Research Practices (Ⓢ)	General Seminar on Clinical Dentistry (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	
									Dental Research Practices (Ⓢ)				
									Clinical Practice (Ⓢ)				
Skills for appropriately communicating with patients, their families, and other medical staff				Interpersonal Communication (Ⓢ)	Clinical Psychology (Ⓢ)				General Dentistry II (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	
				Health & Medical Communication (Ⓢ)	Team Care for Oral Health (Ⓢ)				General Dentistry III (Ⓢ)				
									Clinical Practice (Ⓢ)				
Ability for coping with change in society and progress in science related to dental medicine	Information and Data Sciences Subjects (Ⓢ)	Information and Data Sciences Subjects (Ⓢ)							Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	
Capabilities for coexisting and cooperating with persons from various cultures and regions, and for international communication	Foreign Language Subjects (Ⓢ)	Foreign Language Subjects (Ⓢ)							English for Clinical Bio-Dentistry (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	Clinical Practice (Ⓢ)	
									International Future Dentistry with the Outcomes of Researches (Ⓢ)				
									Clinical Practice (Ⓢ)				

Basic Specialized Courses    Subjects of life sciences    Medical subjects    Subjects of interdisciplinary dentistry    Community dentistry    Subjects of Dental research    Advanced subjects    Subjects of clinical practice    (Ⓢ)Required    (Ⓢ)Elective/required    (Ⓢ)Free elective

Program member list of Program of Dentistry

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Name	Position	Laboratory name	Mail
YOSHIKO YUJI	Professor	Calcified Tissue Biology	yyuji
KHARAGHANI DAVOOD	Assistant Professor	Calcified Tissue Biology	davood
KONO SHOHEI	Assistant Professor	Calcified Tissue Biology	kohnos
MINAMIZAKI TOMOKO	Assistant Professor	Calcified Tissue Biology	tatsu3
TERAYAMA RYUJI	Professor	Maxillofacial Anatomy and Neuroscience	ryujit
UCHIBE KENTA	Associate Professor	Maxillofacial Anatomy and Neuroscience	uchibek
SUGITA MAKOTO	Professor	Physiology and Oral Physiology	sugisan
KITAGAWA MITINORI	Assistant Professor	Physiology and Oral Physiology	ktgw
SAKAYORI NOBUYUKI	Assistant Professor	Physiology and Oral Physiology	sakayori
SHUKUNAMI CHISA	Professor	Molecular Biology and Biochemistry	shukunam
FUJIMOTO KATSUMI	Assistant Professor	Molecular Biology and Biochemistry	kfujimo
MIYAUCHI MUTSUMI	Professor	Oral and Maxillofacial Pathobiology	mmyia
FURUSHO HISAKO	Assistant Professor	Oral and Maxillofacial Pathobiology	furusyou-1217
KOMATSUZAWA HITOSHI	Professor	Bacteriology	komatsuz
MATSUO MIKI	Associate Professor	Bacteriology	mmatsuo
AGO YUKIO	Professor	Cellular and Molecular Pharmacology	yukioago
ASANO SATOSHI	Assistant Professor	Cellular and Molecular Pharmacology	sasano
KATO KOICHI	Professor	Biomaterials	kokato
HIRATA ISAO	Assistant Professor	Biomaterials	isao
TAKAHASHI ICHIRO	Professor	Mucosal Immunology	snatum
TOBIUME KEI	Associate Professor	Mucosal Immunology	tobi5651
FUJII MAKIKO	Professor	Genomic Oncology and Oral Medicine	fujjim
OUHARA KAZUHISA	Assistant Professor	Periodontal Medicine	kouhara
OKANOBU AI	Assistant Professor	Periodontal Medicine	aokanobu
KAJIYA MIKIHITO	Assistant Professor	Periodontal Medicine	mkajiya
SASAKI SHINYA	Assistant Professor	Periodontal Medicine	sdf6936
TORATANI SHIGEAKI	Associate Professor	Molecular Oral Medicine & Maxillofacial Surgery	tora
KOIZUMI KOUICHI	Assistant Professor	Molecular Oral Medicine & Maxillofacial Surgery	kkoizumi
SUMI KENSAKU	Assistant Professor	Molecular Oral Medicine & Maxillofacial Surgery	ksumi
HAMANA TOMOAKI	Assistant Professor	Molecular Oral Medicine & Maxillofacial Surgery	tomoh57
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TADA MISATO	Assistant Professor	Oral and Maxillofacial Surgery	misatot
NARUSE TAKAKO	Assistant Professor	Oral and Maxillofacial Surgery	naruset
MIZUTA KUNIKO	Assistant Professor	Oral and Maxillofacial Surgery	mihta
TSUGA KAZUHIRO	Professor	Advanced Prosthodontics	tsuga
ABE YASUHIKO	Associate Professor	Advanced Prosthodontics	abey
YOSHIKAWA MINEKA	Associate Professor	Advanced Prosthodontics	mineka
YOSHIDA MITSUYOSHI	Associate Professor	Advanced Prosthodontics	mitsu
OUE HIROSHI	Assistant Professor	Advanced Prosthodontics	hiroshi-o
OKI YOSHIFUMI	Assistant Professor	Advanced Prosthodontics	yos-oki14
DOI KAZUYA	Assistant Professor	Advanced Prosthodontics	kazuya17
MAKIHARA YUUSUKE	Assistant Professor	Advanced Prosthodontics	yusuke0318
TANIMOTO KOTARO	Professor	Orthodontics and Craniofacial Developmental Biology	tkotaro
UEDA HIROSHI	Associate Professor	Orthodontics and Craniofacial Developmental Biology	milm
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NAGASAKI TOSHIKAZU	Assistant Professor	Oral and Maxillofacial Radiology	or1ymda
VERDONSHOT RINUS GERARDUS	Assistant Professor	Oral and Maxillofacial Radiology	rinus
SHIBA HIDEKI	Professor	Biological Endodontics	bashihi
AKUTAGAWA KEIICHI	Assistant Professor	Biological Endodontics	keiichi
TSUCHIYA SHIZU	Assistant Professor	Biological Endodontics	shtsuchiya
YOSHIDA KAZUMA	Assistant Professor	Biological Endodontics	kayoshida
KOZAI KATSUYUKI	Professor	Pediatric Dentistry	kozai
MITSUHATA CHIEKO	Associate Professor	Pediatric Dentistry	chiekom
IRIE YASUMASA	Assistant Professor	Pediatric Dentistry	yasu-irie-21
IWAMOTO YUKO	Assistant Professor	Pediatric Dentistry	yuko-tulip
NIZATO NORIKO	Assistant Professor	Pediatric Dentistry	mium
IRIFUNE MASAHIRO	Professor	Dental Anesthesiology	mirifun
SHIMIZU YOSHITAKA	Assistant Professor	Dental Anesthesiology	yshimizu
DOI MITURU	Assistant Professor	Dental Anesthesiology	doi326
MUKAI AKARI	Assistant Professor	Dental Anesthesiology	armukai
KATO FUMINORI	Assistant Professor		fkyato
HAYASHI IKUE	Assistant Professor		ikue
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KAWAGUCHI HIROYUKI	Professor	Division of General Dentistry	hkawarp
OBAYASHI TAJI	Assistant Professor	Division of General Dentistry	taiji
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MUNENAGA SYUICHI	Assistant Professor	Division of General Dentistry	syu-munenaga
SUEI YOSHIKAZU	Associate Professor or Lecturer	Division of Oral and Maxillofacial Surgery and Oral Medicine	suei
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KONISHI MASARU	Assistant Professor	Division of Oral and Maxillofacial Surgery and Oral Medicine	mkonishi
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TANI RYOUJI	Assistant Professor	Division of Oral and Maxillofacial Surgery and Oral Medicine	ryouji
NAKAGAWA TAKAYUKI	Assistant Professor	Division of Oral and Maxillofacial Surgery and Oral Medicine	tnakaga
NINOMIYA YOSHIAKI	Assistant Professor	Division of Oral and Maxillofacial Surgery and Oral Medicine	yn
FUKUI AKIKO	Assistant Professor	Division of Oral and Maxillofacial Surgery and Oral Medicine	fukuko-fukufuku
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ODA YUKI	Associate Professor or Lecturer	Division of Oral Health and Development	ykado
TACHIKAKE MEIKO	Assistant Professor	Division of Oral Health and Development	meikosan
TSUKA YUJI	Assistant Professor	Division of Oral Health and Development	tsuka1
NAKANO MASASHI	Assistant Professor	Division of Oral Health and Development	masashinakano
YOSHIMI YUKI	Assistant Professor	Division of Oral Health and Development	yukimihsoy
KITAGAWA MASAE	Assistant Professor	Center for Oral Clinical Examination	mhiraoka
SHINTANI TOMOAKI	Assistant Professor	Center for Oral Clinical Examination	tshintan
TANAKA TAKESHI	Assistant Professor		tanakat