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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 >

A Program of Honors								
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	1	Required (Note 1)
					Communication IB	1		
				Communication II	2	Communication IIA	1	
					Communication IIB	1		
				2	Communication Seminar I	1		
				Communication Seminar II	1			
		Initial Program Languages		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.

Table of Registration Standards for Specialized Education Subjects, School of Dentistry

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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
Subjects of interdisciplinary dentistry	Basic Specialized Courses	⊙ Medical Ethics	1			1									
		⊙ Interpersonal Communication	1				1								
		⊙ Health and Medical Communication	1				1								
		⊙ Medical Informatics	2				2								
		⊙ Clinical Psychology	1					1							
		⊙ Team Care for Oral Health	1					1							
		⊙ Biodental English	2					2							
		⊙ Special Subject	1						1						
		⊙ Quality and Safety Management in Dentistry	1							1					
		⊙ Disaster Dentistry and Forensic Odontology	1								1				
	Subjects of life sciences	⊙ Gross Anatomy	2	2											
		⊙ Basic Practice of Anatomy I	2		2										
		⊙ Basic Practice of Anatomy II	2		2										
		⊙ Embryology	2			2									
		⊙ Oral Histology	2			2									
		⊙ Basic Practice of Histology I	1			1									
		⊙ Basic Practice of Histology II	1			1									
		⊙ Tooth Morphology	1			1									
		⊙ Technical Training for Tooth Carving	1			1									
		⊙ Human genetics	2			2									
		⊙ Oral Biochemistry I	2			2									
		⊙ Oral Biochemistry II	2			2									
		⊙ Practice of Oral Biochemistry	1				1								
		⊙ Oral Physiology I	2			2									
		⊙ Oral Physiology II	2			2									
		⊙ Practice of Oral Physiology	1				1								
		⊙ Dental Materials and Devices I	1			1									
		⊙ Dental Materials and Devices II	2			2									
		⊙ Dental Materials and Devices Practice I	1				1								
		⊙ Dental Materials and Devices Practice II	1				1								
		⊙ Microbiology I	2				2								
		⊙ Microbiology II	2				2								
		⊙ Immunology	2				2								
		⊙ Basic Technique for Microbiology and Immunology	1					1							
		⊙ Dental Pharmacology I	2				2								
		⊙ Dental Pharmacology II	2				2								
		⊙ Practice of Pharmacology	1					1							
		⊙ Basic Oral Pathology I	2				2								
		⊙ Basic Oral Pathology II	2				2								
		⊙ Slide Practice for Oral Pathology I	1					1							
		⊙ Slide Practice for Oral Pathology II	1					1							
		⊙ Molecular Biology in Medicine	1				1								
		⊙ Radiation Biology and Radiation Health Risk Sciences	2					2							
		⊙ Genomic Medicine	2				2								
	Medical subjects	⊙ Internal Medicine I	2					2							
		⊙ Internal MedicineII	2					2							
		⊙ Surgery I	2					2							
		⊙ Surgery II	1					1							
		⊙ Ophthalmology	1					1							
		⊙ Otorhinology	1					1							
		⊙ Dermatology	1					1							
		⊙ Psychiatry	1					1							
		⊙ Pediatrics	1					1							

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		1	2	3	4	5	6	7	8	9	10	11	12
◎ Oral Radiology I	1					1							
◎ Oral Radiology II	2						2						
◎ Basic Seminar of Oral Radiology	1						1						
◎ Examination and Diagnosis	2						2						
◎ Dental Health	2						2						
◎ Practice of General Health and Dental Health I	1								1				
◎ Practice of General Health and Dental Health II	1								1				
◎ Dental Anesthesiology	2						2						
◎ Basic Seminar of Dental Anesthesiology	1						1						
◎ Endodontics	2						2						
◎ Operative Dentistry	2						2						
◎ Basic Practice of Endodontics and Operative Dentistry I	1							1					
◎ Basic Practice of Endodontics and Operative Dentistry II	1							1					
◎ Periodontology I	1						1						
◎ Periodontology II	2						2						
◎ Basic Practice of Periodontics I	1							1					
◎ Basic Practice of Periodontics II	1							1					
◎ Stomatognathic Function	2						2						
◎ Prosthetic Dentistry I	1						1						
◎ Prosthetic Dentistry II	2						2						
◎ Removable Prosthodontics I	2						2						
◎ Removable Prosthodontics II	1						1						
◎ Oral Implantology	2							2					
◎ Basic Practice of Functional and Regenerative Oral Medicine I	1							1					
◎ Basic Practice of Functional and Regenerative Oral Medicine II	1							1					
◎ Basic Practice of Dental Prosthesis I	1								1				
◎ Basic Practice of Dental Prosthesis II	1								1				
◎ Practice of Prosthodontic Treatment for Edentulous Patients I	1							1					
◎ Practice of Prosthodontic Treatment for Edentulous Patients II	1							1					
◎ Practice of Prosthodontic Treatment for Partial Edentulous Patients I	1								1				
◎ Practice of Prosthodontic Treatment for Partial Edentulous Patients II	1								1				
◎ Oral and Maxillofacial Surgery I	2							2					
◎ Oral and Maxillofacial Surgery II	2							2					
◎ Oral and Maxillofacial Surgery I	2							2					
◎ Oral and Maxillofacial Surgery II	2							2					
◎ Basic Practice of Oral and Maxillofacial Medicine I	1								1				
◎ Basic Practice of Oral and Maxillofacial Medicine II	1								1				
◎ Basic Practice of Oral and Maxillofacial Medicine III	1								1				
◎ Basic Practice of Oral and Maxillofacial Medicine IV	1								1				
◎ Orthodontics I	2							2					
◎ Orthodontics II	2							2					
◎ Basic Practice of Orthodontics I	1								1				
◎ Basic Practice of Orthodontics II	1								1				
◎ Pediatric Dentistry I	2							2					
◎ Pediatric Dentistry II	2							2					
◎ Basic Practice of Pediatric Dentistry I	1								1				
◎ Basic Practice of Pediatric Dentistry II	1								1				
◎ Dentistry for Persons with Disabilities	2							2					
◎ Lifestyle-related Dentistry and Geriatric Dentistry	2							2					
◎ Dysphagia Rehabilitation	1							1					
◎ Oral and Maxillofacial Topographic Anatomy I	1								1				
◎ Oral and Maxillofacial Topographic Anatomy II	1								1				
◎ General Dentistry I													
◎													

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Sheet 1-2

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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	
Total		227	2	4	24	27	26	30	34	22	18	40		
			6		51		56		56			58		

⊙ indicates required subjects

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

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	24 credits
Subjects of clinical practice	
Early Clinical Exposure	4 credits
Subjects of clinical practice	39 credits
Specialized Education Subjects	227 credits

on items and evaluation criteria

	Evaluation criteria		
	Excellent	Very Good	Good
Being able to correctly explain all contents of each subject, and develop them deepening the training.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.	
Being able to correctly explain all contents of each subject, and develop them deepening the training.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.	
Being able to correctly explain all contents of each subject, and develop them deepening the training.	Being able to correctly explain all contents of each subject.	Being able to explain almost all contents of each subject.	
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.	
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.	

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	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject			
Liberal Arts Education	Peace Science Courses	2	Required	3	50	1																	50	1										100	
Liberal Arts Education	Basic Courses in University Education	4	Required	1																	50	1					50	1						100	
Liberal Arts Education	Area Courses	8	Required	1,2					30	1			30	1									40	1										100	
Liberal Arts Education	Foreign Language Subjects	10	Required	1,2											50	1															50	1		100	
Liberal Arts Education	Information and Data Sciences Subjects	4	Required	1,2	50	1																								50	1			100	
Liberal Arts Education	Health and Sports Subjects	2	Required	1,2	50	1																50	1											100	
Liberal Arts Education	Basic Subjects	10	Required	1,2	50	1																	50	1										100	
Specialized Education	Medical Ethics	1	Required	3			50	1															50	1										100	
Specialized Education	Interpersonal Communication	1	Required	4																								100	1					100	
Specialized Education	Health and Medical Communication	1	Required	4																								100	1					100	
Specialized Education	Medical Informatics	2	Required	4			30	1											30	1	40	1												100	
Specialized Education	Clinical Psychology	1	Required	5			30	1					30	1													40	1						100	
Specialized Education	Team Care for Oral Health	1	Required	5			50	1																				50	1					100	
Specialized Education	Biodental English	2	Required	5											50	1																50	1	100	
Specialized Education	Special Subject	1	Required	6			50	1															50	1										100	
Specialized Education	Quality and Safety Management in Dentistry	1	Required	7			50	1															50	1										100	
Specialized Education	Disaster Dentistry and Forensic Odontology	1	Required	8			50	1															50	1										100	
Specialized Education	Gross Anatomy	2	Required	1				30	1				30	1									40	1										100	
Specialized Education	Basic Practice of Anatomy I	2	Required	2				25	1				25	1					25	1			25	1										100	
Specialized Education	Basic Practice of Anatomy II	2	Required	2				25	1				25	1					25	1			25	1										100	
Specialized Education	Embryology	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Oral Histology	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Basic Practice of Histology I	1	Required	3				25	1				25	1					25	1			25	1										100	
Specialized Education	Basic Practice of Histology II	1	Required	3				25	1				25	1					25	1			25	1										100	
Specialized Education	Tooth Morphology	1	Required	3				30	1				30	1									40	1										100	
Specialized Education	Technical Training for Tooth Carving	1	Required	3				25	1				25	1					25	1			25	1										100	
Specialized Education	Human genetics	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Oral Biochemistry I	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Oral Biochemistry II	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Practice of Oral Biochemistry	1	Required	4				25	1				25	1					25	1			25	1										100	
Specialized Education	Oral Physiology I	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Oral Physiology II	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Practice of Oral Physiology	1	Required	4				25	1				25	1					25	1			25	1										100	
Specialized Education	Dental Materials and Devices I	1	Required	3				30	1				30	1									40	1										100	
Specialized Education	Dental Materials and Devices II	2	Required	3				30	1				30	1									40	1										100	
Specialized Education	Dental Materials and Devices Practice I	1	Required	4				25	1				25	1					25	1			25	1										100	
Specialized Education	Dental Materials and Devices Practice II	1	Required	4				25	1				25	1					25	1			25	1										100	
								30	1				30	1									40	1										100	

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)		
Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject			
Specialized Education	Immunology	2	Required	4					30	1			30	1									40	1									100
Specialized Education	Basic Technique for Microbiology and Immunology	1	Required	5					25	1			25	1					25	1			25	1									100
Specialized Education	Dental Pharmacology I	2	Required	4					30	1			30	1									40	1									100
Specialized Education	Dental Pharmacology II	2	Required	4					30	1			30	1									40	1									100
Specialized Education	Practice of Pharmacology	1	Required	5					25	1			25	1					25	1			25	1									100
Specialized Education	Basic Oral Pathology I	2	Required	4					30	1			30	1									40	1									100
Specialized Education	Basic Oral Pathology II	2	Required	4					30	1			30	1									40	1									100
Specialized Education	Slide Practice for Oral Pathology I	1	Required	5					25	1			25	1					25	1			25	1									100
Specialized Education	Slide Practice for Oral Pathology II	1	Required	5					25	1			25	1					25	1			25	1									100
Specialized Education	Molecular Biology in Medicine	1	Required	4					30	1			30	1									40	1									100
Specialized Education	Radiation Biology and Radiation Health Risk Sciences	2	Required	5							30	1	30	1									40	1									100
Specialized Education	Genomic Medicine	2	Required	4					30	1			30	1									40	1									100
Specialized Education	Internal Medicine I	2	Required	5							30	1	30	1									40	1									100
Specialized Education	Internal MedicineII	2	Required	5							30	1	30	1									40	1									100
Specialized Education	Surgery I	2	Required	5							30	1	30	1									40	1									100
Specialized Education	Surgery II	1	Required	5							30	1	30	1									40	1									100
Specialized Education	Ophthalmology	1	Required	5							30	1	30	1									40	1									100
Specialized Education	Otorhinology	1	Required	5							30	1	30	1									40	1									100
Specialized Education	Dermatology	1	Required	5							30	1	30	1									40	1									100
Specialized Education	Psychiatry	1	Required	5							30	1	30	1									40	1									100
Specialized Education	Pediatrics	1	Required	5							30	1	30	1									40	1									100
Specialized Education	Oral Radiology I	1	Required	5					30	1			30	1									40	1									100
Specialized Education	Oral Radiology II	2	Required	6					30	1			30	1									40	1									100
Specialized Education	Basic Seminar of Oral Radiology	1	Required	6					25	1			25	1			25	1					25	1									100
Specialized Education	Examination and Diagnosis	2	Required	6					30	1			30	1									40	1									100
Specialized Education	Dental Health	2	Required	6					30	1			30	1									40	1									100
Specialized Education	Practice of General Health and Dental Health I	1	Required	8					25	1			25	1			25	1					25	1									100
Specialized Education	Practice of General Health and Dental Health II	1	Required	8					25	1			25	1			25	1					25	1									100
Specialized Education	Dental Anesthesiology	2	Required	6					30	1			30	1									40	1									100
Specialized Education	Basic Seminar of Dental Anesthesiology	1	Required	6					25	1			25	1			25	1					25	1									100
Specialized Education	Endodontics	2	Required	6					30	1			30	1									40	1									100
Specialized Education	Operative Dentistry	2	Required	6					30	1			30	1									40	1									100
Specialized Education	Basic Practice of Endodontics and Operative Dentistry I	1	Required	7					25	1			25	1			25	1					25	1									100
Specialized Education	Basic Practice of Endodontics and Operative Dentistry II	1	Required	7					25	1			25	1			25	1					25	1									100
Specialized Education	Periodontorogy I	1	Required	6					30	1			30	1									40	1									100
Specialized Education	Periodontorogy II	2	Required	6					30	1			30	1									40	1									100
Specialized Education	Basic Practice of Periodontics I	1	Required	7					25	1			25	1			25	1					25	1									100
Specialized Education	Basic Practice of Periodontics II	1	Required	7					25	1			25	1			25	1					25	1									100
Specialized Education	Stomatognathic Function	2	Required	6					30	1			30	1									40	1									100

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	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items		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	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	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	
Evaluation items		1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester	9th semester	10th semester	11th semester	12th semester
Ablities 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 (◎) Basic Seminar of Dental Anesthesiology (◎)	Basic Practice of Endodontics and Operative Dentistry I (◎) Basic Practice of Endodontics and Operative Dentistry II (◎)	Practice of General Health and Dental Health I (◎) Practice of General Health and Dental Health II (◎)	General Dentistry II (◎) General Dentistry III (◎)	Clinical Practice (◎)	Clinical Practice (◎)	Clinical Practice (◎)
							Early Clinical Exposure (◎)	Basic Practice of Periodontics I (◎) Basic Practice of Periodontics II (◎) Basic Practice of Functional and Regenerative Oral Medicine I (◎) Basic Practice of Functional and Regenerative Oral Medicine II (◎) Practice of Prosthodontic Treatment for Edentulous Patients I (◎) Practice of Prosthodontic Treatment for Edentulous Patients II (◎)	Basic Practice of Dental Prosthesis I (◎) Basic Practice of Dental Prosthesis II (◎) Practice of Prosthodontic Treatment for Partial Edentulous Patients I (◎) Practice of Prosthodontic Treatment for Partial Edentulous Patients II (◎) Basic Practice of Oral and Maxillofacial Medicine I (◎) 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 Practice of Orthodontics I (◎) Basic Practice of Orthodontics II (◎) Basic Practice of Pediatric Dentistry I (◎) Basic Practice of Pediatric Dentistry II (◎) Oral and Maxillofacial Topographic Anatomy I (◎) Oral and Maxillofacial Topographic Anatomy II (◎)	Early Clinical Exposure (◎) Clinical Practice (◎)			
	Basic skills required for conducting experiments and presentations		Basic Practice of Anatomy I (◎) Basic Practice of Anatomy II (◎)	Basic Practice of Histology I (◎) Basic Practice of Histology II (◎) Technical Training for Tooth Carving (◎)	Practice of Oral Biochemistry (◎) Practice of Oral Physiology (◎) Dental Materials and Devices Practice I (◎) Dental Materials and Devices Practice II (◎)	Basic technique for microbiology & immunology (◎) Practice of Pharmacology (◎) Slide Practice for Oral Pathology I (◎) Slide Practice for Oral Pathology II (◎)		Dental Research Practices (◎)	Dental Research Practices (◎)	English for Clinical Bio-Dentistry (◎) Dental Research Practices (◎)			
	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 (◎)
Comprehensive Abilities	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 (◎) Advanced Course in Applied Oral Biology and Medicine (◎)	Emergency and Critical Care Medicine (◎) Clinical Practice (◎)	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 (◎)				
		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 (◎)			
				Oral biochemistry II (◎)	Basic Oral Pathology I (◎)	Otorhinology (◎)	Periodontology II (◎)	Oral Surgery I (◎)	Basic Practice of Oral and Maxillofacial Medicine IV (◎)	Clinical Practice (◎)			
				Oral Physiology I (◎)	Basic Oral Pathology II (◎)	Dermatology (◎)	Stomatognathic Function (◎)	Oral Surgery II (◎)	Basic Practice of Orthodontics I (◎)				
				Oral Physiology II (◎)	Molecular Biology in Medicine (◎)	Psychiatry (◎)	Prosthetic Dentistry I (◎)	Maxillofacial Surgery I (◎)	Basic Practice of Orthodontics II (◎)				
				Dental Materials and Devices I (◎)	Genomic Medicine (◎)	Pediatrics (◎)	Prosthetic Dentistry II (◎)	Maxillofacial Surgery II (◎)	Basic Practice of Pediatric Dentistry I (◎)				
				Dental Materials and Devices II (◎)	Environmental and Public Health (◎)	Oral Radiology I (◎)	Removable Prosthodontics I (◎)	Orthodontics I (◎)	Basic Practice of Pediatric Dentistry II (◎)				
				Public Health Administration (◎)			Removable Prosthodontics II (◎)	Orthodontics II (◎)	Oral and Maxillofacial Topographic Anatomy I (◎)				
				Early Clinical Exposure (◎)			Social Dentistry (◎)	Pediatric Dentistry I (◎)	Oral and Maxillofacial Topographic Anatomy II (◎)				
							Social Welfare (◎)	Pediatric Dentistry II (◎)	General Dentistry I (◎)				
							Early Clinical Exposure (◎)	Dentistry for Persons with Disabilities (◎) Lifestyle-related Dentistry Geriatric Dentistry (◎) Dysphagia Rehabilitation (◎)					
	Recognition of the importance of research, scientific intelligence, and creativity				Research Start-Up (◎)	Topics in Dental Research I (◎)		Dental Research Practices (◎)	Dental Research Practices (◎)	Dental Research Practices (◎)	Clinical Practice (◎)	Clinical Practice (◎)	Clinical Practice (◎)
						Topics in Dental Research II (◎)				Clinical Practice (◎)			
	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 (◎) Dental Research Practices (◎) Clinical Practice (◎)	Clinical Practice (◎)	Clinical Practice (◎)	Clinical Practice (◎)
	Skills for appropriately communicating with patients, their families, and other medical staff				Interpersonal Communication (◎) Health & Medical Communication (◎)	Clinical Psychology (◎) Team Care for Oral Health (◎)				General Dentistry II (◎) General Dentistry III (◎) Clinical Practice (◎)	Clinical Practice (◎)	Clinical Practice (◎)	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 (◎)			Biodental English (◎)				English for Clinical Bio-Dentistry (◎) International Future Dentistry with the Outcomes of Researches (◎) Clinical Practice (◎)	Clinical Practice (◎)	Clinical Practice (◎)	Clinical Practice (◎)

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04/01/2020

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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
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TERAYAMA RYUJI	Professor	Maxillofacial Anatomy and Neuroscience	ryujit
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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
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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
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OUHARA KAZUHISA	Assistant Professor	Periodontal Medicine	kouhara
OKANOBU AI	Assistant Professor	Periodontal Medicine	aokanobu
KAJIYA MIKIHITO	Assistant Professor	Periodontal Medicine	mkajiya
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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
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