## For entrants in FY 2019

Appended Form 1

## Specifications for Major Program

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

Program name	歯学プログラム
(Japanese)	
(English)	Program of Dentistry

#### 1. Degree: Bachelor (Dentistry)

#### 2. Outline

The School of Dentistry provides the "Program for 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, 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 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	Converted
achievement	values
S (Excellent: 90 points	4
or higher)	4
A (Superior: 80 – 89	0
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

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

<sup>\*</sup> See the relationships between evaluation items and evaluation criteria on Attached Sheet 2.

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

<sup>\*</sup> See the Curriculum Map on Attached Sheet 4.

#### oAbilities & 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.

## <Program of Dentistry>

Туре			Subject	type	Requ d No cred	o. of	Class Subject	No. of credits	course registrati	the subject is taken
		Ре	ace Scienc	ce Courses	2			2	Elective/ required	2nd grade 2 term
	ourses rersity ation	Ir	Edı	n to University	2	?	Introduction to University Education	2	Required	1 term
	Basic Courses in University Education	I	ntroductoi	ry Seminar for ar Students	2	?	Introductory Seminar for First-Year Students	2	Required	1 term
					4	:	More than 2 subjects and 4 credit from Courses in Arts and Humanities/Social	1or2	Elective/ required	1, 3 term
			Area	Courses	2	;	General Health and Oral Sciences I	2	Required	2 term
					2		General Health and Oral Sciences II	2	Required	4 term
				English	2		English Communication I	1	Dominod	1term
				Communication	2	4	English Communication II	1	Required	3term
	Co	For	English	Communication I	2	,	Communication IA	1	Required	1, 2 term
	mm	eig n	(※2)	Communication 1	2	'	Communication IB	1	Required	1, 2 term
s S	on Sub	Lan gua		Communication II	2	,	Communication IIA	1	Required	3, 4 term
bject	ject	ges			2	'	Communication IIB	1	Required	5, 4 term
Liberal Arts Education Subjects	S		I	nglish Foreign anguages	4		Foreign Languages: Basic Studies I,II	1	Elective/	1, 2term
atio				e 1 language from French Chinese)	4		Foreign Languages: Basic Studies III,IV	1	required	3, 4 term
Educ			Informat	tion Courses	2	,	Elements of Information Literacy	2	Elective/ required	1 term
rts]			Illiorina	non Courses		<u> </u>	Exercise in Information Literacy	2	( <b>%</b> 3)	3 term
ral A		Н	ealth and	Sports Courses	2	<u>.</u>	Health and Sports Sciences	2	Elective/	$1{\sim}4{ m term}$
Libe		11		Eports Courses			Practicum in Sports	1	required	1 1001111
							General Chemistry	2		2term
						6	Cell Science	2	Required	3term
							Development of International Collaboration in Medical Science	2		1term
							Foundation physics for life science(¾4)	2		2term
		F	oundation	n Courses	10		Foundation biology for life science(%4)	2		1term
		-		1 0041305	10		Anatomy for understanding human being I	1	T21 - 1: /	3term
						4	Anatomy for understanding human being II	1	Elective/ required	4term
							Basic Calculus	2		2term
							Basic Linear Algebra	2		4term
							Fundamental PhysicsI	2		3term
			Tota	al	38	8				

- \*1: If there is no annual statement in the table, you should take it in the first year. If they have failed to earn the credit in the term, it is allowed to take the subject after the term. It is required to confirm the semester in which the subject is provided in the class schedule for liberal arts education subjects that is published every academic year, because some subjects might be provided in a term other than that which is shown in this document.
- ※2: The credit for "Field Research in the English-speaking World" that is earned through such activities as a short-term study abroad, and that for "Online English Seminar I · II · III" that is earned through a program of self-study, are accepted as the credit for English required for graduation (8 credits). Achievement in a foreign language skill test and language training might be accepted as a credit. For the details, refer to the description regarding English subjects in liberal arts education and the item "Credit based on Achievement in Foreign Language Skill Test" in the Students Handbook.
- \*3: It is required to take the subject "Elements of Information Literacy" that is provided in the first semester of the first year. Only when failing to earn the credit for "Elements of Information Literacy" is it allowed to take the subject "Exercise in Information Literacy" that is provided in the second semester.
- \*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.

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		Lifestyle-related Dentistry /Geriatric Dentistry	2						8	2					
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bje of nic	○ Early Clinical Exposure	4			1			2			1			
Su cts clii	Clinical Practice	39										3	9	
	Total		2	4	24	24	28	30	34	22	18	40		
	Total	226	(	3		8	5	8		6		_	8	

 $<sup>\</sup>odot$  indicates required subjects

### Necessary credits for graduation :264credits

Liberal Arts Education Subjects		Specialized Education Subjects	
Peace Science Courses	2credits	Fundamental subjects	
Basic Courses in University Education	4credits	Basic Specialized Courses	12 credits
Common subjects		Subjects of life sciences	53 credits
Area Courses	8credits	Medical subjects	12 credits
Foreign Languages		Subjects of interdisciplinar	74 credits
English	6credits	Community dentistry	4 credits
Non-English Foreign Languages	4credits	Subjects of Dental research	4 credits
Information Courses	2credits	Advanced subjects	24 credits
Health and Sports Courses	2credits	Subjects of clinical practice	
Foundation Courses	10credits	Early Clinical Exposure	4 credits
		Subjects of clinical practic	39 credits

Liberal Arts Education Subjects 38credits

Specialized Education Subjects 226 credits

# Academic achievements of Program for School of Dentistry Relationships between the evaluation items and evaluation criteria

		Academic achievements		Evaluation criteria	
		Evaluation items	Excellent	Very Good	Good
		Knowledge & understanding of liberal arts including the humanities and	Being able to correctly explain all contents of each subject, and develop them deepening the learning.	Boing able to correctly explain all contents	Being able to explain almost all contents of each subject.
unding	(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.
Understanding	(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.
ledge and	(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.
Knowledge	(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.
		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.
lls	(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.
Abilities and Skills	(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.
	(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.
		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.		science that needs to be solved, and explaining its importance and the process
sive Abilities	(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 explain the importance and process of selecting and studying an appropriate dental treatment by himself/herself based on scientific evidence.
Comprehensive	(4)	communicating with patients, their	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.
		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.

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ubject type	Class Subject	No. of credits	course	emester	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight Weig	nt Weigh	t Weight	Weight	Weight Weight edvalue	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight W	Veight
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	Peace Science Courses	2	Required	3	items 50	items	items	items	items	items	items	items items	items	items	items	items items	items	items	items	items	items 50	items 1	items	items	items	items	items	items	items	items	items it	ems -
	Basic Courses in Universit		Required			1													50	1		1			50	1						
	Foreign Languages		Required											50	1				30	1					50	1					50	1
iberal Arts Education	Information Courses				50	1								50	1														50	1	50	1
Subjects			Required		50	1			90	1		0.0	1								40	1							50	1		
	Area Courses		Required						30	1		30	1								40	1										
	Health and Sports Course	+	Required		50	1											_				50	1										
	Foundation Courses	1	Required		50	1											_				50	1										
	Medical Ethics	1	Required	3			50	1													50	1										
	Interpersonal Communication	1	Required	4																							100	1				
	Health & Medical Communication	1	Required	4																							100	1				
	Medical Informatics	2	Required	4			30	1											30	1	40	1										
	Clinical Psychology	1	Required	5			30	1				30	1														40	1				
	Team Care for Oral Health	n 1	Required	5			50	1																			50	1				
	Practice of Biodental English	n 2	Required	5										50	1																50	1
	Special Subject	1	Required	6			50	1													50	1										
	Quality and Safety Management in Dentistry	1	Required	7			50	1													50	1										
	Disaster Dentistry and Forensic Odontology	1	Required	8			50	1													50	1										
	Gross Anatomy	2	Required	1					30	1		30	1								40	1										
	Basic Practice of Anatomy	2	Required	2					25	1		25	1				25	1			25	1										
	Basic Practice of Anatomy	2	Required	2					25	1		25	1				25	1			25	1										
	Embryology	2	Required						30	1		30									40	1										
	組織学・Oral Histology		Required						30	1		30	1								40	1										
	Basic Practice of Histology		Required						25	1		25					25	1			25	1										
	Basic Practice of Histology		Required						25	1		25					25	1			25	1										
	Oral Anatomy	1	Required						30	1		30									40	1										
	Practice on Oral Anatomy	1	Required						25	1		25					25	1			25	1										
	Human Genetics								30	1		30					20	1			40	1										
	Oral biochemistry	2	Required							1												1										
			Required						30	1		30									40	1										
	Oral biochemistry		Required						30	1		30					2-				40	1										
	Practice of Oral Biochemistry		Required						25	1		25					25	1			25	1										
	Oral Physiology		Required						30	1		30									40	1										
	Oral Physiology		Required						30	1		30									40	1										
	Laboratory Work in Oral Physiology		Required	4					25	1		25					25	1			25	1										
	Dental Materials and Devices		Required						30	1		30	1								40	1										
	Dental Materials and Devices	3 2	Required	3					30	1		30	1								40	1										
	Dental Materials and Devices Practice	e 1	Required	4					25	1		25	1				25	1			25	1										
	Dental Materials and Devices Practice	e 1	Required	4					25	1		25	1				25	1			25	1										
	Microbiology	2	Required	4	<u> </u>				30	1		30	1								40	1										
	Microbiology	2	Required	4					30	1		30	1								40	1										
	Immunology	2	Required	4					30	1		30	1								40	1										
	Basic technique for microbiology & immunology	1	Required	5					25	1		25	1				25	1			25	1										
	Dental Pharmacology	2	Required	4					30	1		30	1								40	1							<u> </u>			
	Dental Pharmacology	2	Required	4					30	1		30	1								40	1										
	Practice of Pharmacology	1	Required	5					25	1		25	1				25	1			25	1										
	Basic Oral Pathology	2	Required	4					30	1		30	1								40	1										
	Basic Oral Pathology	2	Required	4					30	1		30	1								40	1										
	Slide Practice for Oral Pathology	y 1	Required	5					25	1		25	1				25	1			25	1										
	Slide Practice for Oral Pathology		Required						25	1		25					25	1			25	1										
	Molecular Biology in Medicine		Required		<u> </u>				30	1		30									40	1										
	Radiation Biology &		Required		<del>                                     </del>						30	1 30									40	1										
	Radiation Health Risk Internal Medicine I		Required		<del>                                     </del>						30	1 30									40	1										
	Internal Medicine II	+	Required		<del>                                     </del>						30	1 30									40	1										
					-						30											1										
	Surgery II		Required		-							1 30									40	1										
	Surgery II		Required		<del>                                     </del>						30	1 30									40	1										
	Ophthalmology	1	Required	5							30	1 30	1								40	1										

Evaluation items weighte Knowledge and Understanding Comprehensive Abilities Abilities and Skills (1) (4) (6)(1) (2)(2)(3)(6) Type of (5)(1) 40 1 Dermatology Required Psychiatry Required Pediatrics Required Oral Radiology Required Oral Radiology Required Basic Seminar of Oral Required Examination and Diagnosis  $^{2}$ Required Dental Health Required ctice of General Health and Dental Heait Required ctice of General Health and Dental Heaitl Required Dental Anesthesiology Required Basic Seminar of Dental Anesthesi Required Endodontics Required Operative Dentistry Required Basic Practice of Required ndodontics and asic Practice of Required dodontics and PeriodontologyI Required PeriodontologyII Required Basic Practice of Required Periodontics Basic Practice of Required Periodontics comatognathic Function Required Prosthetic DentistryI Required Prosthetic DentistryII Required Removable ProsthodonticsI Required Removable ProsthodonticsII Required Oral Implantology Required Basic Practice of Required Functional and Basic Practice of Required Functional and Basic Practice of Dental Required Basic Practice of Dental Required Prosthesis
Practice of Prosthodontic Required Treatment for Edentulou Practice of Prosthodontic Required Treatment for Edentulou Practice of Prosthodontic Required Treatment for Partial Practice of Prosthodontic Required Treatment for Partial Oral & Maxillofacial Surgery I  $^{2}$ Required Oral & Maxillofacial Surgery I Required Oral & Maxillofacial Surgery II 2 Required 7 Required 7 40 1 Oral & Maxillofacial Surgery II Required 8 ic Practice of Oral and Maxillofacial Medicin sic Practice of Oral and Maxillofacial Medicine Required 8 Required 8 1 ic Practice of Oral and Maxillofacial Medicin Required 8 25 1 asic Practice of Oral and Maxillofacial Medicin 2 Required 7 Orthodontics 40 1 Required 7 OrthodonticsI Required 8 Basic Practice of Orthodontics 25 1 Required 8 Basic Practice of Orthodontics 2 Required 7 Pediatric Dentistry 2 Required 7 Pediatric DentistryI Required 8 Basic Practice of Pediatric Dentist Basic Practice of Pediatric Dentistry Required Required 7 40 1 ntistry for Persons with Disabilitie Required Required 7 Dysphagia Rehabilitation Required 8 al and Maxillofacial Topographic Anato Required 8 al and Maxillofacial Topographic Anato Required 8 30 1 40 1 General DentistryI Required 3 Public Health Administration Environmental and Public Health Required 4 Required 6 Social Dentistry Social Welfare Required

Specialized Education

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		Type of	(	(1)	(	2)		ge ana 3)	Unde		ung ({	5)	(	6)	(-	Abi 1)		and Sl 2)	X111S (5	3)	(1	1)	(2			renen 3)	sive A	<u> 4)</u>		5)	(	6)	–d va
Research Start-Up	1	Required 4					30	1			30	1			(-					3,	(2		40	1		<i>J</i> ,							V
Topics in Denral Research	1	Required 5					30	1			30	1											40	1									T
Topics in Denral Research	2	Required 5					30	1			30	1											40	1									
English for Clinical Bio- Dentistry	2	Required 9											30	1			30	1													40	1	
International Future Dentistry with the Outcomes of Researches	1	Required 9					30	1			30	1																			40	1	
Advanced Course in Functional and Regenerative Oral Medicine	1	Required 9					30	1			30	1									40	1											
Advanced Course in Applied Oral Biology and Medicine	1	Required 9					30	1			30	1									40	1											
Advanced Course in Oral and Maxillofacial Medicine	1	Required 9					30	1			30	1									40	1											
Advanced Course in Growth and Development of Occlusion	1	Required 9					30	1			30	1									40	1											
General Seminar on Clinical Dentistry	2	Required 9					30	1			30	1									40	1											Ī
General DentistryII	1	Required 9													30	1					30	1					40	1					
General DentistryIII	1	Required 9													30	1					30	1					40	1					
Integrated lecture of basic and clinical dentistry	4	Required 9			15	1	15	1	15	1	15	1									20	1			20	1							
Emergency and Critical Care Medicine	1	Required 5							30	1	30	1									40	1											
Dental Research Prac	8	Required 7-9					15	1			15	1					15	1	15	1			20	1	20	1							
Early Clinical Exposure	4	Required 3, 6, 9	)		25	1	25	1							25	1					25	1											
Clinical Practice	39	Required 9-12													10	1			10	1	15	1	10	1	15	1	15	1	15	1	10	1	

	rriculum Map of	Course of Dentistry					
_	cademic achievements	1 g	rade			grade	
	Evaluation items	1 term 2 term	3 term 4 term	1 term	2 term	3 term	4 term
	Knowledge &	Basic Courses in University Education( ©)			Peace Science Courses (O)		
	understanding of liberal						
	arts including the humanities and natural	Information (					
	sciences	Foundation C	our ses ( ( ( )				
-		For eign Lang	ulages (				
	nowledge of the	Development of International Collaboration in					
r	rinciples of medicine						
-	Knowl edge regarding			Medical Ethics (⊚)			Medical Informatics (⊚)
1	basic and clinical						
	dental medicine						
ρio		Gross Anatom	Basic Practice of Anato Basic Practice of Anato			M crobi ol ogy( ◎)	M crobi ol ogy( ⊚)
ndin							Dental Pharmacology(⊚)
Understandin					Oral biochemistry( (©) Basic Practice of Histology		Basic Oral Pathology( ©)
der				Oral biochemistry( ©) Basic Practice of Histology	( 向 ) Dental Materials and Devices		Immunology( ②) Dental Materials and Devices
Un	Knowledge regarding related areas of			(	( ( ( )   Public Health Administration	( ( ( ) Laboratory Work in Ural	Practice ( (1)
and	medicine				( ଲ) Practice on Cral Anatomy	Physi al agy ( @) Environmental and Public Health	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
lge 9				-	( (O) )	Interpersonal Communication	
vleċ					I	( 🔘)	
Knowledge and						Health & Medical Communication (◎)	
				Human Ger			Research Start-Up (⊚)
	Knowledge of life			Early Clinical E	xposure (⊚)		
	sci ences						
	Knowl edge &						
	ınderstanding of foreign	1					
	languages and foreign cultures						
	cui cui es						
							E
一	Basic skills for or evention, examination,		Basic Practice of Anato Basic Practice of Anato	Basic Practice of Histology (  )	Basic Practice of Histology (	Dental Materials and Devices Pra	Dental Materials and Devices Pra
	inspection, diagnosis,			Early Clinical E		Practice of Oral Biochemistry	Medical Informatics (©)
	and treatment of				Practice on Oral Anatomy (	Laboratory Work in Oral	
1	diseases in areas of						
$\mathbf{R}$	Basic skills required for conducting						
Skill	experiments and						
hu	presentati ons			Early Clinical E	Amagura (a)		
es a				Larry Clinical L	xposure (⊕) I		
iliti	Skills for appropriately collecting,	,					
Ab	collecting, selecting, organizing, and						
	presenting information						
	regarding life science and dental medicine						
	and dental nedicine						
	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						
l þ	lecognition of the						
i	mportance of research,						
	cientific intelligence, and reativity						
	I CALIVILV						
liti	ability to think critically,						
' . □   ↓	olve problems, and						
Ab			T				
Ab	ngage in lifelong learning	g					
Ab	ngage in lifelong learning						
Ab	ngage in lifelong learning  Skills for appropriately						
Ab	Skills for appropriately communicating with patients, their families, and other						
Ab	Skills for appropriately communicating with patients,						
Comprehensive Ab	Skills for appropriately communicating with patients, their families, and other medical staff						
Comprehensive Ab	Skills for appropriately communicating with patients, their families, and other						
Comprehensive Ab	Skills for appropriately communicating with patients, their families, and other medical staff  Ability for coping with hange in society and rogress in science related						
Comprehensive Ab	Skills for appropriately communicating with patients, their families, and other medical staff  Ability for coping with hange in society and						
Comprehensive Ab	Skills for appropriately communicating with patients, their families, and other medical staff  Ability for coping with hange in society and rogress in science related or dental medicine						
Comprehensive Ab	Skills for appropriately communicating with patients, their families, and other medical staff  ability for coping with hange in society and rogress in science related of dental medicine						

Curriculum Map of (

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Academic achievements			3 grade				grade	
Evaluation items	1 term	2 term	3 term	4 term	1 term	2 term	3 term	4 term
Knowledge &								
understanding of liberal								
arts including the								
humanities and natural						+		
sciences								
		D .: (B: 1 + 15 !:						
Karaladara & Har		Practice of Biodental Englis	sh (©)					
Knowledge of the principles of medicine								
principles of fledicine								
		Team Care for Oral Health	(⊙)	Special Subject (  )			Disaster Dentistry and Forensic Odontology (©)	
Knowledge regarding basic and clinical				1				
dental medicine								
1 001		Slide Practice for Oral Patho		Endodontics (  )	Orthodontics (  )	OrthodonticsI (  )	Practice of Prosthodontic Treatment for Par	
l nig	Basic technique for microbiology & in	n Team Care for Oral Health(◎)	Removable ProsthodonticsI (©)	Removable ProsthodonticsII (©)	Pediatric Dentistry (©)	Pediatric DentistryI (⊚)	Basic Practice of Dental Prosthesis (◎)	Practice of Prosthodontic Treatment for Parti
an	Slide Practice for Oral Pathology ( © )	) Oral Radiology (◎)	Prosthetic DentistryI (  )	Prosthetic DentistryII (◎)	Oral & Maxillofacial Surgery I (◎)	Oral & Maxillofacial Surgery I (©)	Basic Practice of Oral and Maxillofacial Medi	Basic Practice of Dental Prosthesis (©)
rst	Clinical Psychology (◎)		PeriodontologyI (◎)	PeriodontologyII (  )	Oral & Maxillofacial Surgery II (  )	Oral & Maxillofacial Surgery II (  )	Basic Practice of Oral and Maxillofacial Medi	Basic Practice of Oral and Maxillofacial Medic
lide iii			Basic Seminar of Oral Radiology (◎)	Basic Seminar of Dental Anesthesiology	2 2	e Basic Practice of Endodontics and Operative		Basic Practice of Oral and Maxillofacial Medic
$\stackrel{\square}{\vdash}$ Knowl edge regarding			Dental Anesthesiology (  )	Special Subject (©)		•		
related areas of medicine					_	iv Basic Practice of Functional and Regenerative	•	Basic Practice of Orthodontics (◎)
inedictifie			Stomatognathic Function (©)	Social Welfare ( ◎)	Practice of Prosthodontic Treatment for Ed	le Practice of Prosthodontic Treatment for Ede	Dyspnagia Renabilitation (©)	Basic Practice of Pediatric Dentistry (◎)
နိုင်ငံ			Dental Health (◎)		Basic Practice of Periodontics (◎)	Basic Practice of Periodontics (©)	Practice of General Health and Dental Heait	.h (◎)
wle								
no.			Oral Radiology (◎)		Oral Implantology (  )	Lifestyle-related Dentistry /Geriatric Dentist	Disaster Dentistry and Forensic Odontology(©)	Practice of General Health and Dental Health
X			Examination and Diagnosis (©)			ry Dentistry for Persons with Disabilities (③)		
	Radiation Biology & Radiation He			Exposure (©)	, and a second s	, , , , , , , , , , , , , , , , , , , ,		+
			Early Cliffical			_		
Knowledge of life	Molecular Biology in M			Social Dentistry (©)				
sci ences	Topics in Denral Research (◎)	Topics in Denral Research	<u>(</u>					
	Internal Medicine	eI(©)			Dental Research Practices (◎)	Dental Research Practices (◎)	Dental Research Practices (◎)	Dental Research Practices (©)
	Internal Medicine							
Kanada dan 8								
Knowledge & understanding of foreign	Surgery I							
languages and foreign	Definatology (@)	Surgery II (◎)						
cultures	Psychiatry (◎)	Pediatrics (◎)						
	Ophthalmology (⊚)	Otorhinology (⊚)						
	ergency and Critical Care Medicine (	0)						
			Farly Clinical	Exposure (©)	Dental Research Practices (©)	Dental Research Practices (◎)	Dental Research Practices (◎)	Dental Research Practices (  )
prevention, examination,	Practice of Pharmacology (  )		Larry Chilical	Exposure (⊜)	Dental Research Practices (@)	Derital Research Fractices (@)		
inspection, diagnosis,	Basic technique for microbiology & in						Oral and Maxilloracial Topographic Anatomy	Oral and Maxillofacial Topographic Anatomy
and treatment of	Slide Practice for Oral Pathology (©)	Slide Practice for Oral Patho	<mark>o</mark> logy (⊚)					
diseases in areas of								
Basic skills required								
1 92 1							Practice of General Health and Dental Healt	Practice of General Health and Dental Heaith
for conducting					Dental Research Practices (◎)	Dental Research Practices (◎)		Practice of General Health and Dental Health Dental Research Practices ( )
$  \overrightarrow{\omega}  $ experiments and					Dental Research Practices (◎)	Dental Research Practices (⊚)	Practice of General Health and Dental Healt Dental Research Practices (©)	Practice of General Health and Dental Health Dental Research Practices (©)
			Forty Clinical				Dental Research Practices (◎)	Dental Research Practices (◎)
experiments and			•	Exposure (©)	Basic Practice of Endodontics and Operative	e Basic Practice of Endodontics and Operative	Dental Research Practices (◎)  Practice of Prosthodontic Treatment for Par	Dental Research Practices (  Practice of Prosthodontic Treatment for Partice Of Partice Of Prosthodontic Treatment for Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partic
experiments and presentations			Early Clinical Basic Seminar of Oral Radiology (  )	Exposure (©)  Basic Seminar of Dental Anesthesiology	Basic Practice of Endodontics and Operative (Basic Practice of Functional and Regenerati	e Basic Practice of Endodontics and Operative iv Basic Practice of Functional and Regenerative	Dental Research Practices (©)  Practice of Prosthodontic Treatment for Par  Basic Practice of Dental Prosthesis (©)	Dental Research Practices (③)  t Practice of Prosthodontic Treatment for Parti Basic Practice of Dental Prosthesis (③)
experiments and presentations  Skills for appropriately			•	<u>'</u>	Basic Practice of Endodontics and Operative (Basic Practice of Functional and Regenerati	e Basic Practice of Endodontics and Operative	Dental Research Practices (©)  Practice of Prosthodontic Treatment for Par  Basic Practice of Dental Prosthesis (©)	Dental Research Practices (  Practice of Prosthodontic Treatment for Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of Partice Of P
experiments and presentations  Skills for appropriately collecting, selecting,		Practice of Biodental Englis	Basic Seminar of Oral Radiology (©)	<u>'</u>	Basic Practice of Endodontics and Operative (Basic Practice of Functional and Regenerati	e Basic Practice of Endodontics and Operative iv Basic Practice of Functional and Regenerative de Practice of Prosthodontic Treatment for Ede	Dental Research Practices ((*))  Practice of Prosthodontic Treatment for Par Basic Practice of Dental Prosthesis ((*)) entulous Patients ((*))	Dental Research Practices ((*))  t Practice of Prosthodontic Treatment for Parti Basic Practice of Dental Prosthesis ((*))
experiments and presentations  Skills for appropriately collecting, selecting, organizing, and			Basic Seminar of Oral Radiology (©)	<u>'</u>	Basic Practice of Endodontics and Operative (Basic Practice of Functional and Regenerati Practice of Prosthodontic Treatment for Ed	e Basic Practice of Endodontics and Operative iv Basic Practice of Functional and Regenerative de Practice of Prosthodontic Treatment for Ede	Dental Research Practices (③)  Practice of Prosthodontic Treatment for Para Basic Practice of Dental Prosthesis (⑤) entulous Patients (⑥) Basic Practice of Oral and Maxillofacial Media	Dental Research Practices (③)  ti Practice of Prosthodontic Treatment for Parti Basic Practice of Dental Prosthesis (③) General DentistryI (③)  de Basic Practice of Oral and Maxillofacial Medic
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experiments and presentations  Skills for appropriately collecting, selecting, organizing, and presenting information regarding life science and dental medicine  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 Recognition of the importance of research, scientific intelligence, and creativity  Ability to think critically, solve problems, and engage in lifelong learning  Skills for appropriately communicating with patients, their families, and other medical staff  Ability for coping with change in society and progress in science related to dental medicine  Capabilities for coexisting and cooperating with persons from			Basic Seminar of Oral Radiology (©)	<u>'</u>	Basic Practice of Endodontics and Operative (Basic Practice of Functional and Regenerati Practice of Prosthodontic Treatment for Ed	e Basic Practice of Endodontics and Operative iv Basic Practice of Functional and Regenerative de Practice of Prosthodontic Treatment for Ede	Dental Research Practices (◎)  Practice of Prosthodontic Treatment for Para Basic Practice of Dental Prosthesis (◎)  entulous Patients (◎)  Basic Practice of Oral and Maxillofacial Media Basic Practice of Oral and Maxillofacial Media Basic Practice of Orthodontics (◎)  Basic Practice of Pediatric Dentistry (◎)	Dental Research Practices ((())  t Practice of Prosthodontic Treatment for Parti Basic Practice of Dental Prosthesis ((())) General DentistryI ((()))  d Basic Practice of Oral and Maxillofacial Medic Basic Practice of Oral and Maxillofacial Medic Basic Practice of Orthodontics ((())) Basic Practice of Pediatric Dentistry ((()))

Curriculum Map of ( Academic achievements 5 grade 6 grade 1 term 2 term 3 term 4 term 1 term 2 term 3 term 4 term **Evaluation items** Knowledge & understanding of liberal arts including the humanities and natural sciences English for Clinical Bio-Dentistry (

) Knowledge of the International Future Dentistry with the Outcomes of Researches (©) principles of medicine Clinical Practice (◎) Knowl edge regarding basic and clinical dental medicine International Future Dentis Advanced Course in Applied Ora Clinical Practice (©) al Edentulous Patients (③) Advanced Course in Functional and Regenerative Oral Medicine (◎) General DentistryII (◎) ine (◎) General DentistryIII (◎) Advanced Course in Oral and Maxillofacial Medicine (

) ine (◎) Knowledge regarding Advanced Course in Growth and Development of Occlusion (

) related areas of medicine General Seminar on Clinical Dentistry (

) Integrated lecture of basic and clinical dentistry (

) (⊚) International Future Dentis Integrated lecture of basic and ( Clinical Practice (◎) Knowledge of life sci ences Dental Research Practices (Dental Research Practices (©) Clinical Practice (◎) Knowledge & understanding of foreign languages and foreign cul tur es Basic skills for Dental Research Practices (Dental Research Practices (O) Clinical Practice (◎) prevention, examination, inspection, diagnosis, and treatment of diseases in areas of Basi c skills required English for Clinical Bio-Den General Seminar on Clinical Den Clinical Practice (◎) for conducting Dental Research Practices (Dental Research Pract experiments and presentations al Edentulous Patients (⊚) General DentistryII (◎) Clinical Practice (◎) General DentistryIII (◎) Skills for appropriately Early Clinical Exposure (◎) collecting, selecting, ine (⊚) organızıng, and presenting information ine (©) regarding life science and dental medicine (⊚) 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 Recognition of the Clinical Practice (

) importance of research, scientific intelligence, and Advanced Course in Applied Ora Clinical Practice (

) Advanced Course in Functional and Regenerative Oral Medicine (

) Ability to think critically, Advanced Course in Oral and Maxillofacial Medicine (

) solve problems, and Advanced Course in Growth and Development of Occlusion (

) engage in lifelong learning General Seminar on Clinical Dentistry (

) Clinical Practice (◎) Skills for appropriately

Advanced Course in Applied Ora

Advanced Course in Functional and Regenerative Oral Medicine (

)

Advanced Course in Growth and Development of Occlusion (

)

Advanced Course in Oral and Maxillofacial Medicine (©)

Clinical Practice (◎)

communicating with patients their families, and other medical staff

Ability for coping with

change in society and

to dental medicine

progress in science related

cooperating with persons from various cultures and regions, and for international

Capabilities for coexisting and English for Clinical Bio-Dentistry (©)

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