

For entrants in FY 2020

Appended Form 1

Specifications for Major Program

Name of School (Program) [School of Dentistry, Program of Oral Health Sciences]

Program name (Japanese)	口腔保健学プログラム
(English)	Program of Oral Health Science
1. Degree to be obtained: Bachelor of Oral Health Sciences	
2. Overview <p>The Program for Oral Health Science provides two courses (Course of Oral Science and Course of Oral Engineering) to educate students to become researchers, educators, or highly advanced medical staff in the area of oral health sciences while liaising with other areas such as medicine, engineering, and nursing in a manner based on scientific evidence. The Course of Oral Science educates medical care staff in fields of highly advanced oral healthcare, and researchers and educators in areas related to the work of dental hygienists. In addition, students who wish to are enabled to obtain the type 1 license for school nurses in order to develop as members of dental medical staff who can work in the area of school health.</p>	
3. Diploma policy (policy for awarding degrees and goal of the program) <p>Course of Oral Science educates students to be able to work in the positions related to oral healthcare and school health listed below:</p> <ul style="list-style-type: none">• Medical staff in fields of highly advanced oral health care• Researchers and educators in areas related to the work of dental hygienists.• Dental medical care staff who can work in the field of school health with the type 1 license for school nurses <p>Based on the aims above, this program will award the degree of bachelor of oral health sciences to students who have acquired the capabilities described below and earned the required credits for the educational course.</p> <ol style="list-style-type: none">(1) The ability to integrate and exercise comprehensive knowledge and skills related to basic intelligence, basic dental medicine, clinical dental medicine, specialized subjects for dental hygienists, and adjacent medicine;(2) A capability for establishing a good relationship with patients and staff and contributing to patient-oriented team dental medicine;(3) The ability to apply state-of-the-art knowledge, educational skills, information collection skills, problem solving abilities, research capability, ethical thinking abilities, and an ability for	

lifelong study, in order to take a leading role in research in oral healthcare, education of dental hygienists, and clinical fields; and

(4) The knowledge, skills, and attitude required of a school nurse who works for school health with expertise in the area of dentistry.

1. Curriculum policy (policy for arranging and executing education courses)

To enable students to achieve the targets that are defined for the Course of Oral Science, the educational courses are organized and executed according to the following policies:

(1) In the first year, students study liberal arts subjects, together with students in other schools, in order to acquire a wide-ranging intelligence and establish the intellectual foundation required for dental medical staff. In addition to this, through PBL (Problem Based Learning) in the liberal arts seminars, students also acquire the basic attitude, skills, and knowledge required for self-disciplined study. Furthermore, they acquire fundamental knowledge regarding specialized areas in order to establish the foundation for enhancing professional knowledge and skills.

(2) From the second to the fourth year, students study specialized subjects to acquire expertise and specialized skills. The specialized subjects include not only those related to oral health care but also those regarding basic sciences such as life science, dentistry, and adjacent medicine.

(3) In the third and fourth terms of the third year and in the fourth year, students take the subject "Clinical practice on oral health" to practice the specialized knowledge and skills that they have acquired up to that time in a clinical field. Students are expected to learn, through the practice, skills and knowledge regarding specialized dental medicine, general dental medicine, and team medicine, and to acquire communication abilities, the normative awareness and manner required of medical staff, social skills, a cooperative mindset, and sound judgment.

(4) Students who choose the school nursing course take the subject "Yogo teacher practicum" to foster such things as a vocation for working as a school nurse, compassion in education, and the interpersonal relationship skills required for an educator in the field of school health.

(5) In the third and fourth terms of the third year and in the fourth year, students take the subject "Special Study for Graduation" to join cutting-edge research activities in which the faculty is engaged, or to identify a problem regarding oral health science by themselves and conduct the research to solve it. They are expected to acquire information gathering skills, problem solving abilities, research capability, and logical thinking skills through this process.

(6) This course provides a bio-dental education program that aims to educate students to foster their scientific, inquiring mind and acquire advanced scholarship and medical techniques that make them capable of cooperating with experts in various professions.

Academic achievement is evaluated based on the grade scores for the subjects and the achievement level against the target defined for each educational program.

5. Start time and acceptance conditions

In the first year (when the student enters the university)

In the Program for Oral Health Science, the entrance examination is held for each course. This course is organized only for students who enter the Course of Oral Science in the Program for Oral Health Science in the School of Dentistry.

6. Obtainable qualification

(2) Awarded qualification

Qualification for the national examination for dental hygienists (awarded when the student graduates.)

Students who have earned the credits specified separately are eligible to be awarded the type 1 license for school nurses.

2. Class subjects and their contents

Refer to Attachment 3.

* For the class subjects, refer to the subject table in Attached Sheet 1.

* For the details of the class subjects, refer to the syllabus that is published each academic year.

3. Academic Achievement

The evaluation criteria are specified for each evaluation item for academic achievement, and the achievement level against the criteria is designated at the end of the semester.

The evaluation score for each evaluation item is converted to a numerical value (S = 4, A = 3, B = 2, and C = 1) and the evaluation standard for academic achievement, from the time the student entered the university to the end of the last semester, is determined using these values while applying weightings. The evaluation standards consist of three levels, i.e. Excellent, Very Good, and Good.

Achievement evaluation	Numerical conversion
S (Excellent: 90 or more points)	4
A (Very good: 80 - 89 points)	3
B (Good: 70 - 79 points)	2
C (Passed: 60 - 69 points)	1
Academic Achievement	Evaluation standard
Excellent	3.00 - 4.00
Very Good	2.00 - 2.99
Good	1.00 - 1.99

*Refer to the relationship between evaluation items and evaluation criteria described in Attached Sheet 2.

* Refer to the relationship between evaluation items and class subjects described in Attached Sheet 3.

* Refer to the curriculum map in Attached Sheet 4.

Study achievement in the course (specific knowledge, skills, and attitudes that students can obtain)

○ Knowledge & understanding

1. Knowledge and understanding related to liberal arts, such as human and natural sciences
2. Knowledge and understanding related to foreign languages and culture
3. Knowledge and understanding related to principles of medicine
4. Knowledge and understanding related to the basic attitude required for dental medical staff
5. Knowledge and understanding related to the structure and function of the whole human body, teeth, and mouth
6. Knowledge and understanding related to disease processes and promotion of recovery processes
7. Knowledge and understanding of the mechanisms of human beings and society related to teeth, oral health, and disease prevention
8. Knowledge and understanding related to the specialized fields of dental hygienists (prevention of dental disease, assistance in dental treatment, and instruction for dental health care)
9. Knowledge and understanding related to school health

○ Abilities & skills

1. Abilities, skills, and attitude for communication as a dental medical staff
2. Abilities and skills for gathering and selecting, logically organizing, and presenting information
3. Abilities and basic skills required to practically apply techniques in the specialized fields of dental hygienists (prevention of dental disease, assistance in dental treatment, and instruction for dental health care)
4. Abilities and basic skills required for problem identification, research planning and promotion, results analysis, and presentation of results in a field related to oral health science
5. Abilities and basic skills required for working in the field of school health

○ Comprehensive capability

1. Comprehensive capability for studying for one's whole life as a member of dental medical staff
2. Comprehensive capability that is basically required for prevention of dental disease, assistance in dental treatment, and instruction for dental healthcare in team dental medicine
3. Comprehensive capability, skills, and attitude fundamentally required for working in the field of school health

9. Graduation thesis (graduation research) (meaning, student allocation, timing, etc.)

Students are required to prepare their graduation theses.

① Meaning

Students join cutting-edge research activities in which the faculty is engaged, or identify a problem regarding oral health science by themselves and conduct the research to solve it. They are expected to acquire information collection skills, problem solving abilities, research capability, and of logical thinking abilities through this process.

② Student allocation method and timing

Students are allocated to a laboratory in the second semester of the third year. Although the allocation method is separately defined, much importance is attached to the wishes of the student.

10. Responsibility

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

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

<Program of Oral Health Science>

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 Basic	2	Communication Basic I Communication Basic II	1 1	Required (Note 1)
				Communication I	2	Communication IA Communication IB	1 1	
			Communication II	2	Communication IIA Communication IIB	1 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			Elective/required	
		Basic Subjects			4	Psychology for Medical Care Workers Development of International Collaboration in Medical Science	2 2	Required (Note 4)
			2	Foundation biology for life science (Note 5) Cell Science Anatomy for understanding human being I Anatomy for understanding human being II	2 2 1 1	Elective/required		
			2	Basic Concepts of Chemistry General Chemistry	2 2	Elective/required		
	Total		36					

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 "Elements of Information Literacy" is allowed to take the other "Information and Data Sciences Subjects".

Note 4 : When failing to earn the credit for "Psychology for Medical Care Workers" is the credit for the subject "Psychology A" or "Psychology B" accepted as that for the information subjects required for graduation (2 credits).

Note 5 : The subjects for which 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.

Academic achievements of Program of Oral Health Science
Relationships between the evaluation items and evaluation criteria

Academic achievements		Evaluation criteria		
Evaluation items		Excellent	Very Good	Good
Knowledge and Understanding	(1) Knowledge and understanding of liberal arts such as humanities and natural science	Being able to correctly explain all contents of each subject, and develop them deepening the learning	Being able to correctly explain all contents of each subject	Being able to explain almost all contents of each subject
	(2) The knowledge and understanding on foreign languages and culture	Being able to correctly explain all contents of each subject, and develop them deepening the learning	Being able to correctly explain all contents of each subject	Being able to explain almost all contents of each subject
	(3) Knowledge and understanding on 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
	(4) Knowledge and understanding of basic behavior as a dental profession	Being able to correctly explain all contents of each subject, and develop them deepening the learning	Being able to correctly explain all contents of each subject	Being able to explain almost all contents of each subject
	(5) Knowledge and understanding of structure and function of human body, teethes, and oral	Being able to correctly explain all contents of each subject, and develop them deepening the learning	Being able to correctly explain all contents of each subject	Being able to explain almost all contents of each subject
	(6) Knowledge and understanding of the development of diseases and promotion of the recovery process	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
	(7) Knowledge and understanding of social systems related to oral health and prophylactics	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
	(8) Knowledge and understanding of specialities related to dental hygienist (dental disease prevention, dental treatment assist, detal health guidance)	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
	(9) The knowledge and understanding on physical education in school	Being able to correctly explain all contents of each subject, and develop them deepening the learning	Being able to correctly explain all contents of each subject	Being able to explain almost all contents of each subject
Abilities and Skills	(1) Abilities and skills to communicate as a dental profession	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	To attend hands-on training with good attitudes. Also, to further develop what students learn in the training based on principles. In addition, to be able to consider phenomena subjectively in reports.	To be able to develop what students learn in hands-on training. Also, to attend these activities with good attitudes. Also, to be able to describe phenomena subjectively.
	(2) Comprehensive ability to separate necessary and unnecessary information, summarize and output it	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) Knowledge and understanding that are required to serve as a dental hygienist (dental disease prevention, dental treatment assist, detal health guidance)	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.
	(4) The ability and basic skills necessary to discover the issues on oral education and conduct research planning・promotion・result analysis・result presentation	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.
	(5) The intellectual knowledge and basic skills necessary for relating to physical education in school	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.
Comprehensive Abilities	(1) Comprehensive ability to learn over a course of life as a dental profession	Being able to always keep patients in mind as a medical professional, and keep projecting, planning and studying for life voluntarily.	Being able to always keep patients in mind as a medical professional, and keep studying for life voluntarily.	Being able to always keep patients in mind as a medical professional, and keep studying for life.
	(2) The comprehensive basic capacity of dental prophylaxes, dental care supports and dental health guidance as a dental team	Being able to conduct medicine thinking of necessary needs and encouraging appropriately based on understanding each professional roles.	Being able to conduct medicine encouraging appropriately based on understanding each professional roles.	Being able to conduct acknowledging being a member of a team
	(3) The general power of conducting basic physical education in school	Having fully acquired teacher quality and ability such as a sense of responsibility to teaching, educational affection and interpersonal skills as an educator conducting physical education in school.	Having acquired teacher quality and ability such as a sense of responsibility to teaching, educational affection and interpersonal skills as an educator conducting physical education in school.	Having partially acquired teacher quality and ability such as a sense of responsibility to teaching, educational affection and interpersonal skills as an educator conducting physical education in school.

Students are expected to form the academic foundation required for specialized education, study a wide range of subjects regarding human and social sciences and foreign languages to acquire knowledge, and foster intellectual curiosity and the ability to take action. In addition, they are expected to acquire communication skills, a cooperative mindset, and information gathering abilities in order to establish the basis for developing themselves as a medical staff.

Curriculum Map of Program of Oral Health Science

Academic achievements Evaluation items	1st grade		2nd grade		3rd grade		4th grade		
	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester	
Knowledge and Understanding	Knowledge and understanding of liberal arts such as humanities and natural science	(E) Basic Courses in University Education (E) Basic Courses (E) Area Courses (E) Health and Sports Subjects (E) Basic Subjects	(E) Information and Data Sciences (E) Area Courses (E) Health and Sports Subjects (E) Basic Subjects	(E) Peace Science Courses					
	The knowledge and understanding on foreign languages and culture	(E) Foreign Language Subjects	(E) Foreign Language Subjects			(E) Biodental English			
	Knowledge and understanding on principles of medicine			(E) Medical Ethics		(E) Team Care for Oral Health	(E) Disaster Dentistry and Forensic Odontology		
	Knowledge and understanding of basic behavior as a dental profession	(E) Outline of Oral Health Science				(E) Team Care for Oral Health	(E) Disaster Dentistry and Forensic Odontology		
	Knowledge and understanding of structure and function of human body, teethes, and oral			(E) Tooth Morphology (E) Basic Class of Oral Science (E) Technical Training for Tooth Carving (E) Public Health Administration	(E) Social Dentistry (E) Environmental and Public Health		(E) Social Welfare (E) Disaster Dentistry and Forensic Odontology		
	Knowledge and understanding of the development of diseases and promotion of the recovery process	(E) Anatomy and Oral Anatomy	(E) Physiology and Oral Physiology	(E) Basic Class of Oral Science (E) Oral Histology (E) Microbiology and Oral Microbiology (E) Immunology (E) Basic Biochemistry	(E) Practice on Basic Dental Sciences	(E) Clinical Medicine			
	Knowledge and understanding of social systems related to oral health and prophylactics			(E) Pathology and Oral Pathology		(E) Clinical Medicine	(E) Disaster Dentistry and Forensic Odontology		
	Knowledge and understanding of specialities related to dental hygienist (dental disease prevention, dental treatment assist, dental health guidance)		(E) Introduction to Clinical Oral Health Science (E) Introduction to Dental Science	(E) Pharmacology and Dental Pharmacology (E) Dental Material (E) Practice of Oral Health Management I (E) Nursing I	(E) Dental Health (E) Crown Restoration and Health Engineering I (E) Endodontology (E) Periodontology (E) Oral Radiology (E) Dental Anesthesiology (E) Nursing IIA (E) Nursing IIB	(E) Clinical Psychology (E) Orthodontics (E) Pediatric Dentistry (E) Crown Restoration and Health Engineering II (E) Oral Surgery and Anesthesiology I (E) Oral Surgery and Anesthesiology II (E) Dentistry for Persons with Disabilities (E) Lifestyle-related Dentistry and Geriatric Dentistry (E) Oral Health Management A (E) Quality and Safety Management in Dentistry (E) Health Science on Sports Dentistry and Temporomandibular	(E) Principles of Rehabilitation (E) Disaster Dentistry and Forensic Odontology		
		The knowledge and understanding on physical education in school				(E) Oral Health Education	(E) Education Act for School Dental (Δ) Nursing III (Δ) Pediatrics (Δ) Psychiatry (Δ) Mental Health		
	Abilities and Skills	Abilities and skills to communicate as a dental profession			(E) Technical Training for Tooth Carving (E) Practice of Oral Health Management	(E) Interpersonal Communication (E) Health and Medical Communication (E) Practice of Oral Health Behavior I (E) Practice of Oral Health Behavior II (E) Practice of Oral Health Behavior III (E) Practice of Oral Health Behavior IV (E) Practice of oral Health Management	(E) Practice of Oral Health Behavior V (E) Practice of Oral Health Behavior VI (E) Biodental English		
Comprehensive ability to separate necessary and unnecessary information, summarize and output it				(E) Technical Training for Tooth Carving	(E) Practicum of Oral Health (E) Social Dentistry (E) Medical Informatics		(Δ) Nursing Practice in Hospital (Yogo Teacher)		
Knowledge and understanding that are required to serve as a dental hygienist (dental disease prevention, dental treatment assist, dental health guidance)				(E) Technical Training for Tooth Carving (E) Basic Biochemistry (E) Basic Training for Assistant Work in Dental Treatment I	(E) Practice on Basic Dental Sciences (E) Practicum of Oral Health (E) Seminar of Nourishment Guidance (included Food Science) (E) Basic Training for Assistant Work in Dental Treatment II (E) Practice of Oral Health Behavior II (E) Practice of Oral Health Behavior III (E) Practice of Oral Health Behavior IV (E) Practice of oral Health Management (E) Research Start-Up	(E) Quality and Safety Management in Dentistry (E) Practice of Oral Health Behavior V (E) Practice of Oral Health Management V (E) Practice of Oral Health Management VI	(E) Basic Training for Assistant Work in Dental Treatment IV (E) Basic Training for Assistant Work in Dental Treatment V (E) Practice of Oral Health Counseling (E) Practice of Oral Rehabilitation I (E) Practice of Oral Rehabilitation II (E) Clinical Practice on Oral Health (E) Dysphagia Rehabilitation	(E) Clinical Practice on Oral Health (E) Clinical Practice on Oral Health	
		The ability and basic skills necessary to discover the issues on oral education and conduct research planning・promotion・result analysis・result presentation			(E) Practice of Oral Health Behavior I			(Δ) Curriculum Design of Dental Hygienists and Dental Technicians	
The intellectual knowledge and basic skills necessary for relating to physical education in school					(Δ) Fundamentals of Nursing Skill	(Δ) Nursing III (Δ) Outline of Health Promotion by Yogo Teacher	(Δ) Health Consultation (Δ) Seminar on School Health I (Δ) Seminar on School Health II		
Comprehensive ability to learn over a course of life as a dental profession							(E) Special Study for Graduation (E) Special Study for Graduation (E) Special Study for Graduation		
The comprehensive basic capacity of dental prophylaxes, dental care supports and dental health guidance as a dental team				(E) Basic Training for Assistant Work in Dental Treatment I	(E) Basic Training for Assistant Work in Dental Treatment II	(E) Basic Training for Assistant Work in Dental Treatment III	(E) Basic Training for Assistant Work in Dental Treatment IV (E) Basic Training for Assistant Work in Dental Treatment V (Δ) Nursing Practice in Hospital (Yogo Teacher) (E) Clinical Practice on Oral Health	(E) Clinical Practice on Oral Health (Δ) Clinical Practice on Oral Health Management	(E) Clinical Practice on Oral Health (Δ) Clinical Practice on Oral Health Management
		The general power of conducting basic physical education in school					(Δ) Seminar on School Health I (Δ) Seminar on School Health II		

(Ex) Liberal Arts Education Subjects Basic Specialized Courses Specialized Courses Special Study for Graduation (E) Required (O) Elective/required (Δ) Free elective

Program member list of Program of Oral Health Science

04/01/2020

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Name	Position	Laboratory name	Mail
OTA KOUJI	Professor	Public Oral Health	otkouj1
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