

Application Guidelines

for General Students, for Adult Students and
for Special Category for International Students
to Doctoral Course

Important Notes

- To apply, read the application guidelines carefully and follow the instructions.
- Applications will be accepted only from those who meet the application qualifications and have been confirmed as having completed the following steps during the application period:

- ① **Online application registration**
- ② **Payment of the examination fee** (excluding those who are exempt)
- ③ **Submission (via postal mail) of the necessary application materials**

- If the graduate school cannot confirm that the applicant has completed all three steps within the application period, the application will not be accepted. Be sure to leave yourself enough time to complete application procedures.

In order to prevent the spread of COVID-19, the examination may be conducted in a different way from the description on this guideline, or it will be postponed/cancelled. For the newest information please refer to the website of Graduate School of Dental Medicine as below:

<https://www.den.hokudai.ac.jp/graduate>

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To All Prospective Students in the Hokkaido University Graduate School of Dental Medicine

This graduate school has a system for offering preliminary counseling to prospective students regarding their research topics, etc., in order to provide careful guidance in line with each research student's wishes and career path.

Those wishing to apply to this graduate school should apply only after consulting with their preferred academic advisors in advance.

To find the contact information of your prospective (preferred) academic advisor, contact the educational affairs officer at the Graduate school with the following information by email.

1. Your full name
2. Name of university you have graduated
3. Telephone number
4. E-mail address
5. Name of preferred department and academic advisor
6. Research topics, etc.

* Be sure to provide all of the information indicated.

* If your information is incomplete or includes errors, you may not be contacted by school.

Graduate School of Dental Medicine, Hokkaido University

Contact:

School of Dental Medicine Office, Hokkaido University
(Attn: Educational Affairs Officer)
Kita 13, Nishi 7, Kita-ku, Sapporo, Hokkaido, 060-8586 Japan
Fax: +81(0)11-706-4919
E-mail: kyomu@den.hokudai.ac.jp

Hokkaido University Graduate School of Dental Medicine Admission Policy

Our Philosophy and Purpose of Education

To develop the fields of dental medicine and oral medical science, the Hokkaido University Graduate School of Dental Medicine cultivates researchers and educators who can keep up with the latest academic knowledge and research in the field of dental medicine and who will advance the progress of education and research in that field. The graduate school also cultivates highly specialized professionals who possess advanced knowledge in specialized fields and dental technologies.

Type of Students We Seek

1. Basic Oral Science Course

This course admits highly ambitious students—regardless of whether they come from Hokkaido University or other universities and regardless of whether they hold a dental license—who are capable of developing research and education in the fields of dental medicine and the life sciences.

2. Clinical Oral Science Course

This course cultivates research-oriented professionals while equipping students with advanced knowledge in specialized fields and dental technologies. The course admits highly motivated students who can meet the social need for advanced technological knowledge and specialization in the field of dental medicine.

Both courses expect applicants to acquire professional knowledge and technologies of dental medicine on the level of undergraduate school of dental medicine before admission.

Principle Selection Policy

The Graduate School of Dental Medicine will evaluate applicants by a written examination in English, an oral examination in a specialized subject and an interview by which applicants will be assessed their ability to research and their motivation to work on their research assignments.

Especially the written examination in English and the oral examination in a specialized subject are emphasized.

2022 Enrollment
Application Guidelines for Doctoral Course
 Graduate School of Dental Medicine, Hokkaido University

1. Course and Student Openings

Course of Dental Medicine: 40 students (1st and 2nd terms including several openings for adult and international students)

2. Division, Department, and Oral Examination Subject (as of June, 2021)

Course	Division/Section	Department	Oral Examination Subject
Dental Medicine	Division of Oral Functional Science	Oral Functional Anatomy	Oral anatomy
		Oral Physiology	Physiology and oral physiology
		○Oral Functional Prosthodontics	Removable denture prosthodontics
		○Crown and Bridge Prosthodontics	Crown and bridge prosthodontics
		○Orthodontics	Orthodontics
		○Dentistry for Children and Disabled Person	Pediatric dentistry
	Division of Oral Health Science	Developmental Biology of Hard Tissue	Oral histology
		Oral Biochemistry and Molecular Biology	Biochemistry and oral biochemistry
		Biomedical, Dental Materials, and Engineering	Dental materials and engineering
		○Preventive Dentistry	Preventive dentistry
		Restorative Dentistry	Operative dentistry
		Periodontology and Endodontology	Periodontology
		○Gerodontology	Geriatric dentistry
	Division of Oral Pathobiological Science	Vascular Biology and Molecular Pathology	Pathology and oral pathology
		Oral Molecular Microbiology	Microbiology and oral microbiology
		Pharmacology	Pharmacology and dental pharmacology
		○Oral Diagnosis and Medicine	Oral medicine
		○Oral and Maxillofacial Surgery	Oral and maxillofacial surgery
		○Radiology	Oral and maxillofacial radiology
		○Dental Anesthesiology	Dental anesthesiology
		Vascular Biology	Pathology and oral pathology
	Section of Stomatognathics (Cooperation Chair)	Gnatho-occlusal Function	*1
		Improvement of Gnatho-oral Function	Oral implantology
		Gnathoformative Medicine	Oral surgery or Orthodontics

A circle (○) indicates departments that offer the Basic Oral Science Course as well as the Clinical Oral Science Course.

(This does not apply to adults and international students. See pages 16 and 17.)

*1. Select either oral surgery, oral medicine, plate denture prosthodontics, or crown and bridge prosthodontics.

3. Application Qualifications

Admission for General Students

Applicants must meet one of the following criteria:

- (1) Individuals who have graduated or expect to graduate from a university after completing courses of dental medicine, medicine, pharmacological science or veterinary medicine (the minimum course of study for veterinary medicine is six years) by March 2022.
- (2) Individuals who have completed or expect to complete 18 years of school education (ending with

dentistry, medicine, pharmacology or veterinary), or in a foreign country by March 2022.

- (3) Individuals who have taken a correspondence course in Japan offered by a school of a foreign country and have completed or expect to complete 18 years of school education (ending with dentistry, medicine, pharmacology or veterinary) of that foreign country by March 2022.
- (4) Individuals who have completed 18 years of school education (ending with dentistry, medicine, pharmacology or veterinary) of that foreign country at an educational institution in Japan. The institution needs to be positioned within the school education system of that foreign country as an educational body with a university course and is required to be designated by the Japanese minister of education, culture, sports, science, and technology. This includes those who expect to be such a degree by March 2022.
- (5) Individuals who have received or expect to receive a degree equivalent to a bachelor's degree from a university or a school in a foreign country upon completion of a program or a course of study in Medicine, Dental Medicine, Veterinary Medicine or Pharmacology requiring 5 or more years (including completion of a correspondence course of a foreign institute taken in Japan, and completion of a course of study designated in the preceding item at an overseas educational establishment within the public education system of the country concerned) by March 2022.
- (6) Individuals who have been designated by the minister of education, culture, sports, science and technology (See note below.)
- (7) Individuals who have attended a university for four years or longer (including the coursework in dentistry, medicine, pharmacology or veterinary) or who have completed 16 years of school education (including the coursework in dentistry, medicine, pharmacology or veterinary) in a foreign country, or 16 years of school education (including the coursework in dentistry, medicine, pharmacology or veterinary) in Japan by taking a correspondence course offered by a foreign school and who have been deemed by this graduate school to have obtained the number of credits prescribed by Hokkaido University with excellent grades.

Also, individuals who have completed 16 years of school education (including the coursework in dentistry, medicine, pharmacology or veterinary) of that foreign country at an educational institution in Japan, and who have completed with academic records approved by the graduate school. The institution needs to be positioned within the school education system of that foreign country as an educational body with a university course and is required to be designated by the Japanese minister of education, culture, sports, science, and technology.

- (8) Individuals who are recognized as possessing the equivalent or greater academic skills as a university graduate (ending with dentistry, medicine, pharmacology or veterinary) based on an individual qualification review conducted by this graduate school, and who will be 24 years of age as of March 31, 2022.

Note: Individuals designated by the minister of education, culture, sports, science and technology (1955 Notice No. 39, Ministry of Education, Science and Culture; excerpts)

- (a) Individuals who studied dentistry or medicine in a faculty of dentistry or medicine in a university that was established under the former University Order and graduated from said faculty
- (b) Individuals who have graduated or expected to graduate from the National Defense Medical College, which was established under the Act for Establishment of the Ministry of Defense by March 2022
- (c) Individuals who have completed or expect to complete a master's program or professional graduate coursework under the school educational law by March 2022 or individuals who have spent two years or more studying in a doctoral program that is not separated into distinct master's and doctoral programs and have earned 30 credits or more; such individuals are required to have received the necessary research guidance and been recognized by the graduate school as possessing the equivalent or greater academic skill as that of a university graduate (with a degree in dentistry, medicine, pharmacology or veterinary).

- (d) Individuals who have completed the university's undergraduate coursework (excluding a degree in dentistry, medicine, pharmacology or veterinary), and who have completed 16 years of school education in a foreign country, and who have conducted two or more years of research in a university, research institute, etc., after graduating from a university and been recognized by the graduate school as possessing the equivalent or greater academic skill as that of a university graduate (with a degree in dentistry, medicine, pharmacology or veterinary) based on their research findings

Admission for Adult Students

Applicants must be a working adult as of enrollment or be expected to be a working adult after enrollment and must meet one of the above criteria for general admission.

Admission for Special Category for International Students

Applicants must be a citizen of a country other than Japan and living outside of Japan (therefore it is difficult to travel to Japan to take the entrance examination). They must be recognized as having enough competence and scholastic performance by a faculty member of the Graduate School of Dental Medicine who has agreed to be a supervisor after enrollment. Also, they must meet one of the above criteria for general admission.

Notes:

1. Individuals applying based on criterion (4), (5), (6) (7) or (8) are required to undergo a **preliminary review**. Please apply for this review by contacting an educational affairs officer of School of Dental Medicine Office and submit necessary documents by July 1 (Thu), 2021 for the enrollment of first term, and by November 2 (Tue), 2021 for the enrollment of second term.
2. Applicants for Special Category for International Students must contact an educational affairs officer of School of Dental Medicine Office by July 1 (Thu), 2021 for the enrollment of first term, and by November 2 (Tue), 2021 for the enrollment of second term.

4. Application Procedures

(1) Application Acceptance Period

First term: July 16 (Fri), 2021 — July 30 (Fri), 2021, by 5:00pm(JST)

Second term: November 29 (Mon), 2021 — December 10 (Fri), 2021, by 5:00pm(JST)

Applications will be accepted only from those who meet the application qualifications for the Graduate School of Dental Medicine (GSDM) and have been confirmed (with the receipt of all materials) as having completed all of the following steps during the application period: ① online application registration, ② payment of the examination fee (excluding those who are exempt), and ③ submission (via postal mail) of the necessary application materials.

Please be aware that registering to apply online does not constitute the completion of application procedures.

(2) How to Apply

① Online Application Registration

- 1) Visit the online application page of Hokkaido University's Web site:

<https://e-apply.jp/e/hokudai-den/>

Notes:

- i. Be sure to read all instructions and notes before completing the online application.
- ii. To use this web site, you will need a printer to print out the necessary documents and an e-mail address that can be used to receive the application confirmation e-mail and examination fee payment completion e-mail. Be sure you have access to printer and an e-mail address ready before starting application procedures. Cell phone email addresses cannot be used.

2)	Select and enter the necessary information in accordance with the on-screen instructions.
3)	If you accurately enter all of the necessary information, a confirmation e-mail will be sent to the e-mail address you provided.

② Payment of the Examination Fee: ¥30,000

1)	<p>Make your payment in accordance with the instructions provided on the payment screen shown after your online application has been submitted. Please pay using either of the methods (I, II or III) indicated below:</p> <p>* Please be aware that payments cannot be made via ordinary bank transfer or cash.</p> <p>I. Payment by credit card (Visa, MasterCard, JCB, American Express, etc.) Enter your credit card number, expiration date, cardholder's name, and security code.</p> <p>II. Pay-easy (bank ATM, Japan Post Bank ATM, online banking), convenience store, Japan Net Bank, or e-Bank payment</p> <p><u>Pay-easy</u> Make a note of the payment code, application number, and confirmation number issued after you select your preferred payment institution and make your payment at a Pay-easy-compatible ATM.</p> <p><u>Convenience store</u> Make a note of the application number and confirmation number or payment number issued after you select your preferred payment institution and make your payment at a convenience store. (Payments can be made at Lawson, Family Mart, Circle K Sunkus, Ministop, and Daily Yamazaki.)</p> <p><u>Japan Net Bank or Rakuten Bank</u> Follow the instructions shown on the screen.</p> <p>III. ChinaPay On the online payment screen of any bank, enter such payment information as your bank account number, expiration date, and password to make your payment.</p>
2)	<p>The information needed to make payments and the process by which payments are made vary by financial institution, so be sure to check the on-screen instructions for details.</p> <p>* The customer's copy of the receipt or payment completion e-mail issued when the payment was made should be printed out and kept as the applicant's proof of payment. It may be required to submit to the university if necessary.</p>

③ Mailing Your Application Materials

1)	<p>Place the application generated by the online application procedures and any other necessary documents (see pages 10 to 13) into an envelope. Affix the address label that was printed out along with your application to the envelope, mark the envelope "Graduate School of Dental Medicine Admission Application" in red ink, and send it by registered mail so that <u>it arrives at the university during the application acceptance period.</u></p> <p style="text-align: center;"> < Mailing Address to submit your applications > School of Dental Medicine Office, Hokkaido University (Attn: Educational Affairs Officer) Kita 13, Nishi 7, Kita-ku, Sapporo, Hokkaido, 060-8586 Japan </p> <p>If you want to submit your application in person, note the following: Hours: 9:00 a.m. to 5:00 p.m. (except weekends and national holidays) Location: Educational Affairs Section, School of Dental Medicine Office, Hokkaido University</p>
2)	<p>Application procedures are not complete until all of your application materials have been received by the university. Please be aware that registering to apply online does not constitute the completion of application procedures.</p>

Note: Application materials that arrive after the application deadline will not be accepted, so be sure to allow enough time for postal service delivery. If necessary, you may use expedited registered mail.

Learning and Education Application Service Support Center

(Operating company: Disco Inc.)

Tel: 0120-708898 (Hours: 10:00 a.m. to 6:00 p.m., Monday through Friday)

Tel: 03-5804-5515 (Those who are not able to call the telephone number above.)

E-Mail: cvs-web@disc.co.jp

Entrance examination contacts should be confirmed on the "[Application Guidelines](#)" page.

(3) Application Materials and Examination Fee

Admission for General and Adult Students

Applicants must prepare items ① to ⑦ of the following materials for general admission, and ① to ⑨ for adult admission. Please submit ⑩ to ⑫, if applicable.

All applicants must submit their respective materials within the application acceptance period.

① Admission application	A printout (on A4-sized paper) of the application form generated by the university's online application site and with all the necessary information filled in.
② Exam admission card and examinee photo card	Affix a photo (4 cm high × 3 cm wide) of your upper body—facing front, no hats, taken within three months of your application—to the appropriate spot on the photo card that printed out along with your application form from the online application site. Write your name on the back of the photo.
③ Transcript	A sealed transcript issued by the dean of your university (undergraduate). Not required of graduates (or prospective graduates) of Hokkaido University. Applicants who have been awarded (or expect to be awarded) a master's degree should submit transcripts from their master's degree program.
④ Certificate of Graduation (expected graduation) or Completion (expected completion)	Submit a certificate of graduation or expected graduation issued by the president or a dean of the university at which the applicant has graduated or will graduate. Submission of a certificate of (expected) graduation is not required of applicants who have graduated or are expected to Graduate School of Dental Medicine, Hokkaido University. If certificate isn't written in Japanese or English, you also need to submit certified translation in Japanese or English. ◎ Applicants from China (except Taiwan, Hong Kong, and Macao) must submit the following document(s) as well. • those who have completed a graduate program: a. electronic academic certificate (教育部学历证书电子注册备案表) b. degree certificate 【original copy of 毕业证书】 and the original copy of 学位证书 • those who will complete a graduate program: a. online certificate of the studentship (教育部学籍在线验证报告) Among above, you can obtain document (a) through the Chinese Education Certificate System (中国高等教育学历证书查询 https://www.chsi.com.cn/xlcx/bgys.jsp). Note also that the Web certificates you obtained must be valid more than 15 days after the date of your application.
⑤ Motivation Letter	Prescribed. Download this form the online application page and complete it (print on A-4 size page).
⑥ Payment of Examination Fee	¥30,000 (Not required of applicants expecting to graduate with a master's degree from Hokkaido University and are continuing their education in this graduate school) For methods of paying the examination fee, see page 8.
⑦ Envelope for mailing the exam admission card	Provide a self-addressed stamped envelope measuring 235mm × 120mm. Be sure to include your postal code on the envelope and a ¥374 stamp, which covers expedited delivery. Note: Those who want it sent to each Department don't have to provide a ¥374 stamp.
⑧ Letter of Consent for Taking Examination * Required for applicants for <u>adult admission</u> only	Prescribed. Those who are currently employed or who is expected to be employed should submit a Letter of Consent for Taking Examination issued by the head or representative of their affiliated corporation, etc. Download this form the online application page and complete it (print on A-4

	size page).
⑨ Certificate of Employment * Required for applicants for <u>adult admission</u> only	Prescribed. Those who are currently employed or who is expected to be employed should submit a Certificate of Employment issued by the head or representative of their affiliated corporation, etc. Download this form the online application page and complete it (print on A-4 size page).
⑩ Photocopy of Residence Card * Required for <u>non-Japanese</u> applicants only	Foreign residents who are not living in Japan currently or those who have not been in Japan for more than 60 days should submit a photocopy of their passport.
⑪ 【Optional Submission】 Photocopy of Score Report or Official Score Certificate of TOEFL, TOEIC or IELTS	* Please submit if you have any score and if possible. The following test results taken within 3 years before the examination date are dealt with as proof of English language proficiency. i) TOEFL-iBT or TOEFL-ITP ii) TOEIC Listening & Reading Test IP(Institutional Program) test is also accepted. TOEIC Bridge, Speaking, and Speaking & Writing are not accepted. iii) IELTS Academic
⑫ 【Optional Submission】 Summary of research experience	Discretionary format. As proof of their research experience and achievements, applicants may submit this supporting document.

Notes:

1. See page 8 for the application mailing address.
2. If an applicant has been accepted but is found to have provided false or incomplete information on his/her application, the admission to the school may be revoked.
3. See pages 13 and 14 regarding examination fee refunds.
4. Applicants may be exempt from Foreign Language exam (English) according to the score of TOEFL, TOEIC or IELTS. Those submit the score will be informed whether he/she will be exempt from English exam or not at the time of mailing the exam admission card.

Admission for Special Category for International Students

Applicants must prepare items ① to ⑨ of the following materials for Special Category admission. Please request your prospective supervisor to make a document of ⑧. Submit ⑩, if applicable. All applicants must submit their respective materials within the application acceptance period.

① Admission application	A printout (on A4-sized paper) of the application form generated by the university's online application site and with all the necessary information filled in.
② Exam admission card and examinee photo card	Affix a photo (4 cm high × 3 cm wide) of your upper body—facing front, no hats, taken within three months of your application—to the appropriate spot on the photo card that printed out along with your application form from the online application site. Write your name on the back of the photo.
③ Transcript	A sealed transcript issued by the dean of your university (undergraduate). Not required of graduates (or prospective graduates) of Hokkaido University. Applicants who have been awarded (or expect to be awarded) a master's degree should submit transcripts from their master's degree program.
④ Certificate of Graduation (expected graduation) or Completion (expected completion)	Submit a certificate of graduation or expected graduation issued by the president or a dean of the university at which the applicant has graduated or will graduate. Submission of a certificate of (expected) graduation is not required of applicants who have graduated or are expected to Graduate School of Dental Medicine, Hokkaido University. If certificate isn't written in Japanese or English, you also need to submit certified translation in Japanese or English. © Applicants from China (except Taiwan, Hong Kong, and Macao) must submit the following document(s) as well.

	<ul style="list-style-type: none"> • those who have completed a graduate program: <ul style="list-style-type: none"> a. electronic academic certificate (教育部学历证书电子注册备案表) b. degree certificate 【original copy of 毕业证书】 and the original copy of 学位证书 • those who will complete a graduate program: <ul style="list-style-type: none"> a. online certificate of the studentship (教育部学籍在线验证报告) <p>Among above, you can obtain document (a) through the Chinese Education Certificate System (中国高等教育学历证书查询 https://www.chsi.com.cn/xlcx/bgys.jsp). Note also that the Web certificates you obtained must be valid more than 15 days after the date of your application.</p>
⑤ Motivation Letter	Prescribed. Download this form the online application page and complete it (print on A-4 size page).
⑥ Payment of Examination Fee	¥30,000 (Not required of applicants expecting to graduate with a master's degree from Hokkaido University and are continuing their education in this graduate school) For methods of paying the examination fee, see page 8.
⑦ Photocopy of Score Report or Official Score Certificate of TOEFL, TOEIC or IELTS	The following test results taken within 3 years before the examination date are dealt with as proof of English language proficiency. <ul style="list-style-type: none"> i) TOEFL-iBT or TOEFL-ITP ii) TOEIC Listening & Reading Test IP (Institutional Program) test is also accepted. TOEIC Bridge, Speaking, and Speaking & Writing are not accepted. iii) IELTS Academic
⑧ Photocopy of Passport	Submit a copy of the page of your passport with your name on it.
⑨ Letter of Recommendation by your prospective supervisor	Discretionary format. Please request your prospective supervisor to make a Letter of Recommendation and to submit directly to the Educational Affairs Section of School of Dental Medicine, HU within the application acceptance period.
⑩ 【Optional Submission】 Summary of research experience	Discretionary format. As proof of their research experience and achievements, applicants may submit this supporting document.

Notes:

1. See page 8 for the application mailing address.
2. If an applicant has been accepted but is found to have provided false or incomplete information on his/her application, the admission to the school may be revoked.
3. See pages 13 and 14 regarding examination fee refunds.

5. Selection Method

Admission for General and Adult Students

Admission decisions will be made based on an assessment of submitted application form, resume, transcripts, a motivation letter, etc., the applicant's academic skills (through foreign language and specialized subject) and an interview.

① Foreign language (English):

Printed dictionaries may be used, but electronic dictionaries may not be used.

② Specialized subject (Oral Examination):

An Oral exam will be given by the applicant's preferred department (see page 5).

Note: Applicants may be exempt from Foreign Language exam (English) according to the score of TOEFL, TOEIC or IELTS. Those who are exempt from Foreign Language exam (English) should take an Oral Examination and an Interview only.

Admission for Special Category for International Students

Admission decisions will be made based on an assessment of submitted application form, resume, transcripts, English scores, a letter of recommendation by a prospective supervisor, a motivation letter, the applicant's academic skills (through specialized subject) and an interview. The oral exam and the interview will be held online.

6. Examination Date, Time and Location

Admission for General and Adult Students

Exam Date	Exam Subject	Time	Location
First term: September 12 (Sun), 2021	Foreign language (English)	10:00 - 11:50	Graduate School of Dental Medicine, Hokkaido University
	Specialized subject (Oral Examination)	13:00 –	
Second term: January 23 (Sun), 2022	Interview	After the end of Specialized subject	

Admission for Special Category for International Students

Exam Date	Exam Subject	Time
First term: September 12 (Sun), 2021	Specialized subject (Oral Examination)	TBA
	Interview	TBA

* Detailed information on online examination will be announced to applicants individually.

7. Announcement of Exam Results

First term: September 17 (Fri), 2021, 9:00 a.m.

Second term: February 4 (Fri), 2022, 9:00 a.m.

Results will be posted in the entrance hall of the Graduate School of Dental Medicine. Results will also be mailed to applicants individually.

8. Admission Procedures

Enrollment fee: ¥282,000 (estimated)

Note: Applicants who are expecting to be awarded a master's degree at Hokkaido University and will continue their education in this graduate school do not need to pay the enrollment fee.

First semester tuition: ¥267,900 (annual total: ¥535,800) (estimated)

Note: The amounts shown above are estimates. If any revision is made at the time of admission or while the student is enrolled, the new amount will apply as of the time of revision.

9. Examination Fee Refunds

Once application materials have been accepted, examination fees already paid will not be refunded except in the case listed in item (1) below.

(1) Situations warranting a refund

- ① If an individual paid the examination fee but did not apply for admission (did not submit an application or submitted an application that was not accepted)

② If the examination fee was accidentally paid twice

(2) How to request a refund

Write a letter requesting an examination fee refund (no specified format) indicating ① the reason you are requesting a refund; ② your name (with *furigana*); ③ current address; ④ telephone number; and ⑤ bank name, branch name, account type, account number, and account holder's name (with *furigana*) of the account into which you want the refund deposited. Be sure to provide a copy of the prescribed examination fee receipt and submit your request promptly to an academic affair officer of this graduate school.

Please be aware that the refund will take a considerable period of time to be processed and to appear in your account.

If your application was not accepted, the university will send you the documents you will need to request a refund.

10. Long-Term Study System

The long-term study system was designed to accommodate individuals who have fewer hours to study or conduct research toward their degrees than ordinary students have due to their jobs or similar circumstances and thus, would not be able to complete the program within the standard course term (four years). If a student's application for a long-term study system is reviewed and approved by the graduate school, that student will be able complete his/her educational program in a systematic manner over a fixed period of time (maximum 2 years of extension).

For information regarding application qualifications and procedures, and to apply for the long term study system, please contact your prospective academic advisor in advance.

< Mailing Address to submit your applications >

School of Dental Medicine Office, Hokkaido University
(Attn: Educational Affairs Officer)
Kita 13, Nishi 7, Kita-ku, Sapporo, Hokkaido, 060-8586 Japan

June 2021

Two Courses of the Graduate School of Dental Medicine

In recent years, graduate schools in medical fields have been increasingly asked to not only cultivate researchers and educators as they did in the past but also produce specialized professionals who possess the advanced skills and research-oriented minds that are now needed.

Therefore, the Graduate School of Dental Medicine, Hokkaido University offers two courses — the Basic Oral Science Course and the Clinical Oral Science Course.

Basic Oral Science Course

(1) Purpose of Education and Research

The purpose of this course is to impart the educational and research skills that researchers and educators will need to conduct independent research and to cultivate people who can conduct intensive research and provide advanced education in the specialized fields of dentistry and dental medicine.

(2) Educational Content

This course exposes students to a wide range of specialized knowledge that will enable them to become independent researchers and educators in the future in the fields of dentistry and bioscience. It equips them with knowledge of research methods, such as methods needed to design research experiments, and helps them acquire research implementation skills as well as academic guidance skills in the aforementioned fields.

Clinical Oral Science Course (not available to adult students or international students)

(1) Purpose of Education and Research

This course cultivates dentists who, as advanced specialized professionals, have a wide range of specialized knowledge and clinical skills and possess research-oriented minds capable of advanced problem-solving. Through its clinical courses, this course aims to impart advanced knowledge and clinical skills that will allow dentists to obtain medical certifications in their fields of specialization in the shortest period of time after completing their graduate school studies.

(2) Educational Content

In the field of dental medicine and welfare, this course equips students with the wide range of specialized knowledge and clinical skills that dentists require, either as specialist physicians or advanced specialized professionals, as well as the research methods and skills needed to conduct clinical research. Therefore, graduate students who select this course will be given priority in the assignment of cases they need to obtain certification.

Notes:

1. Students may switch from one course to the other only once during their enrollment.
For details, contact an educational affairs officer of this graduate school.
2. Students wishing to take clinical training courses must hold a Japanese dental (or medical) license.

< Inquiries >

School of Dental Medicine Office, Hokkaido University
(Attn: Educational Affairs Officer)
Kita 13, Nishi 7, Kita-ku, Sapporo, Hokkaido, 060-8586 Japan

		Basic Oral Science Course
Course selection	Qualification	All students in this graduate school
	Notes	
Program Info.	Features	Training in research implementation skills and academic guidance skills
	Compulsory Subject and Compulsory Elective Subjects * () indicates a number of credits required for completion	Theories of dental research (2) Basic techniques of dental research (2) Presentations and thesis writing practicum I, II, III (4) Specialized techniques for academic research (4) Dental research seminar (2) Specialized subjects (2) Research subjects (15)
	Elective subjects	Clinical practice subjects Techniques in educational practice Academic English
Certification of course completion		<ul style="list-style-type: none"> • Earn the required number of credits (31 or more) from among the “Compulsory subjects and compulsory elective subjects” listed above. • Submit your research dissertation and pass the exam.

Research Subjects

Division of Oral Functional Science 口腔機能学専修

(as of June 2021)

Department	Academic advisor	Research Subjects
Oral Functional Anatomy 口腔機能解剖学	Professor YAMAMOTO Tsuneyuki 山本恒之	1. Morphological study of development and regeneration of cementum
		2. Morphological and molecular biological study of origin of cementoblasts
		3. Morphological study of fate of Hertwig's epithelial root sheath
	Associate Professor TAKAHASHI Shigeru 高橋茂	1. Histopathological mechanisms of salivary gland atrophy
		2. Regeneration of salivary gland tissue
		3. Effects of soft food on oral tissues
Oral Physiology 口腔生理学	Professor FUNAHASHI Makoto 船橋誠	1. Neurophysiological study for the control mechanism of feeding behavior.
		2. Study for the central mechanism of nausea and vomiting.
		3. Electrophysiological study for the brain functions.
	Associate Professor INUI Tadashi 乾賢	1. Brain mechanisms of taste sensation
		2. Study for taste palatability and aversion
		3. Central nervous system of anorexia nervosa
Oral Functional Prosthodontics 口腔機能補綴学	Professor YOKOYAMA Atsuro 横山敦郎	1. Application of Carbon Nanomaterials for Biomaterials
		2. Improvement of Surface Characteristics of Titanium for Dental Implant
		3. Study on Relation of Occlusion and Body Posture
		4. Mechanical analysis of removable prosthesis using finite element method
		5. Study on prognosis of partially edentulous patient
		6. Study on effect of biomaterials (including dental implant) for recovery of masticatory function
Crown and Bridge Prosthodontics 冠橋義歯補綴学	Professor YAMAGUCHI Taihiko 山口泰彦	1. Study on sleep bruxism and awake bruxism
		2. Study on harmony and disharmony of functional occlusal system
		3. Clinical research on sleep apnea syndrome
	Associate Professor UEDA Yasuo 上田康夫	1. Study on application of additive manufacturing (3D printing) in medical fields.
		2. Development of Dental CAD/CAM System
		3. Clinical research in Maxillofacial Prosthetics
Orthodontics 齒科矯正学	Professor SATO Yoshiaki 佐藤嘉晃	1. Research for matrix turnover mechanisms after mechanical stress
		2. Craniofacial growth and developmental study
		3. Research for stomatognathic function
		4. Study on orthodontic materials and engineering
		5. Study on diagnosis and treatment for patients with craniofacial deformity
		6. Study on diagnosis and treatment for patient with congenital anomaly such as cleft lip/palate
		7. Research on facial morphology and smile
Dentistry for Children and Disabled Persons 小児・障害者歯科学	Professor YAWAKA Yasutaka 八若保孝	1. Study on physiological root resorption of deciduous teeth
		2. Study on abnormal resorption and repair mechanism of root surface
		3. Clinical researches on malocclusion in primary dentition
	Associate Professor YOSHIHARA Toshihiro 吉原俊博	1. Study on the relationship between periodic eating and central nervous system
		2. Study on the relationship between occlusal disharmony and stress response
		3. Study on the relationship between maternal deprivation and central nervous system

Division of Oral Health Science 口腔健康科学専修

Department	Academic advisor	Research Subjects
Developmental Biology of Hard Tissue 硬組織発生生物学	Professor AMIZUKA Norio 網塚憲生	1. Biological assessment for regulatory function of osteotropic factors
		2. Cell biological and genetic approach for bone development and regeneration
		3. Morphological and molecular biological study for the ultrastructure and biological function of bone cells
Oral Biochemistry and Molecular Biology 口腔分子生物学	Professor TAMURA Masato 田村正人	1. Molecular mechanisms of bone formation and resorption
		2. Biochemistry and molecular biology of oral tissue
		3. Regulation of gene expression
	Associate Professor SATO Mari 佐藤真理	1. Regulatory system of the skeletal tissue for systemic health
		2. Molecular biological research for the regulation of cellular differentiation
		3. Molecular biological research for the regulation of cellular metabolism
Biomaterials and Bioengineering 生体材料工学	Professor YOSHIDA Yasuhiro 吉田靖弘	1. Development of novel dental and biomaterials
		2. Nano-interfacial control for functional reconstruction of biological hard tissues
		3. Translational research on dental materials and devices
	Associate Professor AKASAKA Tsukasa 赤坂司	1. Bioapplication of micro/nano-patterned materials
		2. Bioapplication of functionalized carbon materials
		3. Application of nano-technology in the dental fields
Preventive Dentistry 予防歯科学	Associate Professor KANEHIRA Takashi 兼平孝	1. Epidemiological study of dental health in children
		2. Study on screening examination of saliva
		3. Study on regional dental health
Restorative Dentistry 歯科保存学	Professor SANO Hidehiko 佐野英彦	1. Study for Operative Dentistry including Adhesive Dentistry and Esthetic Dentistry
		2. Cariology research
		3. Study for bio-compatibility of dental materials including nanotechnology related field
	Associate Professor YAMAUTI Monica ヤマウチ モニカ	1. Longevity of resin-dentin bonds
		2. Interaction between bioactive materials and dental substrates
		3. Study of altered substrates (i.e., enamel hypoplasia, caries-affected tissues, amelogenesis imperfecta)
Periodontology and Endodontology 歯周・歯内療法学	Professor SUGAYA Tsutomu 菅谷勉	1. Periodontal destruction in endodontic, periodontic and traumatic lesion
		2. Regeneration of periodontal tissue
		3. Treatment of refractory apical periodontitis
Gerodontology 高齢者歯科学	Professor YAMAZAKI Yutaka 山崎裕	1. Improvement of oral function in elderly
		2. Field study on oral health science in elderly
		3. Study on psychosomatic dentistry in elderly
	Associate Professor WATANABE Yutaka 渡邊裕	1. Study on oral function and general health in elderly
		2. Field research on improvement of oral function of the elderly
		3. Study on interdisciplinary team approach system for oral management

Division of Oral Pathobiological Science 口腔病態学専修

Department	Academic advisor	Research Subjects
Vascular Biology and Molecular Pathology 血管生物分子病理学	Professor HIDA Kyoko 樋田京子	1. Abnormalities of tumor vascular endothelial cells and development of novel therapy
		2. The mechanism of cancer malignancy and cancer microenvironment
		3. Vascular endothelial stem-like cells
		4. Blood vessel regeneration
	Associate Professor HIGASHINO Fumihiro 東野史裕	1. Association between RNA and cell oncogenesis
		2. Development and application of oncolytic virus
Oral Molecular Microbiology 口腔分子微生物学	Professor HASEBE Akira 長谷部晃	1. Effects of oral microbes on intestinal flora
		2. Systemic effects of oral candidiasis
		3. Mechanism of inflammasome activation induced by oral microbes
	Associate Professor YASUDA Motoaki 安田元昭	1. Functional dissection of human adenovirus early proteins
		2. Molecular sensing of Toll-like receptors
		3. Functional dissection of human papillomavirus early proteins
Pharmacology 薬理学	Professor IIMURA Tadahiro 飯村忠浩	1. Pharmacological studies on drugs for metabolic bone diseases
		2. Pathophysiological studies on skeletal development, homeostasis and disorders
		3. Pharmacological and pathophysiological studies on skeletal pain
	Associate Professor YOSHIMURA Yoshitaka 吉村善隆	1. Interaction between osteoblast and osteoclast
		2. Effect of mechanical stress on bone-cells and periodontal cells
Oral Diagnosis and Medicine 口腔診断内科学	Professor KITAGAWA Yoshimasa 北川善政	1. Molecular imaging of oral diseases
		2. Molecularbiological study on pathogenic mechanism of mucous membrane pemphigoid
		3. Improvement of surface property of the implant materials using carbon nanotubes
	Lecturer SATO Jun 佐藤淳	1. Clinical study on oro-facial pain
		2. Clinical study on diagnosis and treatment of oral cancer based on molecular imaging
		3. Study on diagnosis and treatment of chronic oral diseases by saliva
Oral and Maxillofacial Surgery 口腔顎顔面外科学	Associate Professor OHIRO Yoichi 大廣洋一	1. Basic and clinical studies on oral cancers
		2. Study on less invasive surgery for temporomandibular disorders
		3. Study on alveolar bone augmentation for dental implant
		4. Surgical treatment of oral cancer
		5. Molecularbiological study on chemoradiosensitivity of oral cancer
		6. Histopathological study on odontogenic tumor
Radiology 放射線学	Professor MINOWA Kazuyuki 箕輪和行	1. Study for radiological imaging diagnosis on oral and maxillofacial lesions
		2. Clinical study of radiotherapy for oral cancers
		3. Molecular biology of oral cancers
		4. Study of radiation protection
		5. Study of AI
Dental Anesthesiology 歯科麻酔学	Professor FUJISAWA Toshiaki 藤澤俊明	1. Experimental and clinical studies on stress reactions
		2. Studies on the mechanisms of pharmacological actions of anesthetics
		3. Studies on monitors used in general management during dental treatment
	Associate Professor KAMEKURA Nobuhito 亀倉更人	1. Study on cardiovascular and endocrine changes in dental surgery
		2. Study on effects of trigeminal stimulation on autonomic function
		3. Study on anesthetic management of dental treatment in persons with disabilities

Division of Stomatognathics 顎機能医療学

Department	Academic advisor	Research Subjects
Gnatho-occlusal Function 顎咬合学	Associate Professor NEGISHI Jun 根岸 淳	1. Clinical research on etiology, diagnosis and management of temporomandibular disorders
		2. Clinical research on sleep apnea-hypopnea syndrome
		3. Clinical research on Orofacial Pain
Improvement of Gnatho-oral Function 顎口腔機能改善学	Associate Professor ISHIKAWA Makoto 石川 誠	1. Clinical study on dental implants for dento-maxillary defect
		2. Study on bone augmentation for dental implants
		3. Study on selection and installation condition of implant bodies
Gnathoformative Medicine 顎口腔形成学	* Please contact the educational affairs officer at school before applying, if you would like to be supervised for research in this department.	

Division of Geriatric Oral Science (Collaborative Chair) 長寿口腔科学 (連携講座)

Department	Academic advisor	Research Subjects
Geriatric Oral Science 長寿口腔科学	Visiting Professor MATSUSHITA Kenji 松下 健二	1. The role and application of nitric monoxide to periodontal tissues
		2. Pathological analysis and control of periodontal disease as a vascular disease

Division of Clinical Education 臨床教育部※

Department	Academic advisor	Research Subjects
Clinical Education 臨床教育部	Professor INOUE Satoshi 井上 哲	1. Physico-chemical and ultra-morphological study on adhesion between tooth substrates and dental restorative materials
		2. Research on General Dentistry
		3. Studies on under-graduate and post-graduate clinical training

Division of International Affairs 国際歯科部※

Department	Academic advisor	Research Subjects
Department International Affairs 国際歯科部	Associate Professor Arima Taro 有馬 太郎	1. Diagnostic criteria and treatment for Temporomandibular Disorders
		2. Association of jaw-muscle activity, pain, and psychological factors
		3. Neuroplasticity in jaw functions

※Please contact the educational affairs officer at school before applying, if you would like to be supervised for research in these Division.

Privacy Policy

- (1) All personal information collected by Hokkaido University will be completely protected in compliance with the Act on the Protection of Personal Information held by Independent Administrative Agencies, etc., and pursuant to the Hokkaido University Regulations on Personal Information Management.
- (2) Names, addresses, and other personal information provided to the university through application procedures will be used solely for ① enrollee selection (application processing and the screening process), ② the announcement of exam results, ③ admission procedures, ④ surveys and research on enrollee selection methods, and ⑤ related processes.
- (3) Some of these jobs may be outsourced by the university to a contracted service provider (hereinafter referred to as “contractor”). All or some of the personal information provided by applicants may be provided to the contractor only as needed to perform the tasks for which it has been contracted
- (4) Personal information obtained through application procedures will be used only for those who are admitted for ① school administration purposes (student registration, academic counseling, etc.), ② student support services (health management, scholarship applications, etc.), and ③ tuition and other administrative purposes.
- (5) Of the personal information described in item (4) above, only names and addresses will be used to facilitate communication with students from the Hokkaido University Frontier Foundation and organizations related to Hokkaido University, such as ① the Hokkaido University Athletic Union, and ② Hokkaido University School of Dental Medicine Alumni Association and ③ Hokkaido University Alumni Association ELM.