

**Academic Year 2022**

**Graduate School of Science  
Hokkaido University**

**Doctoral Course**

(Latter Period of Doctoral Program)

**Winter Selection**

**Guidelines for Application for the  
Entrance Examination**

For enrollment April 2022 or October 2022

**(Admission for International Students Residing Abroad)**

**November 2021**

## Notes

I. Applicants for special category (international students residing abroad) must submit a Japanese or English proficiency certificate.

Applicants who have difficulties in submitting a Japanese or English proficiency certificate may submit a transcript or similar document that indicates Japanese or English grades issued by the graduate school they graduated from.

II. 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 those who wish to enroll in April 2022, there is no supplementary examination individually under the influence of COVID-19 in the winter selection since the opportunity to take the examination had already been provided throughout the year.

## **Personal Information Management by Hokkaido University**

- (1) In handling personal information obtained from applicants, Hokkaido University makes every effort to protect this information through appropriate management based on the “National University Corporation Hokkaido University Personal Information Management Rules” and the relevant laws and ordinances such as the “Protection Law for Private Information Held by Independent Administrative Corporations”.
- (2) Personal information, such as name, address, etc., provided by the applicant to the university in the process of applying for admission will be used only for: 1) assessment of applicants; 2) announcement of results; 3) enrollment procedures; 4) surveys and research on enrollee selection methods; and 5) business operations pertaining to 1)–4).
- (3) Companies commissioned by the University to engage in the relevant operations (hereafter called “commissioned companies”) may handle personal data. Part or all of the personal information submitted to the University by the applicant will be provided to the commissioned companies, to the extent necessary for them to carry out their duties.
- (4) After successful applicants are enrolled, personal information they provided on their application forms will be used for; 1) educational affairs (such as registration, educational guidance, etc.); 2) student support services (such as health administration, fellowship applications, etc.); 3) career support and 4) business operations related to their tuition fees and other expenses.
- (5) Among the personal information described in (4), only the name and address may be used for contact purposes from Hokkaido University Frontier Foundation, Hokkaido University Athletic Union, Alumni Association of the School of Science, and Alumni Association Elm of Hokkaido University by taking safety measures.

November 2021

Graduate School of Science,  
Hokkaido University

## Admission Policy for the Graduate School of Science

Applicants must have completed core subjects in the fields of Mathematics, Physics, Chemistry, Biological Sciences, Earth Science or related subjects. In order to engage in more specialized and advanced academic research, they must also have the ability, character and aptitude to study independently and to rigorously investigate the principles of nature as well as must have extensive knowledge and techniques.

### ▪ Principle Selection Policy (Multiple-layered Evaluation Method)

#### 【General Category】

By written examination, applicants will be evaluated their levels of “knowledge and skills”, “ability to think/judge/ express” and “comprehension.”

By oral examination, applicants will be evaluated their levels of “knowledge and skills”, “ability to think/judge/ express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, “interest and motivation”

The Graduate School of Science will comprehensively assess applicants on the basis of the application documents (such as research plan, transcript, etc).

#### 【Special selection for adults】

By written examination, applicants will be evaluated their levels of “knowledge and skills”, “ability to think/judge/ express” and “comprehension.”

By oral examination, applicants will be evaluated their levels of “knowledge and skills”, “ability to think/judge/ express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, “interest and motivation”

The Graduate School of Science will comprehensively assess applicants on the basis of the application documents (such as research plan, transcript, etc).

For applicants under the Special Category for Working Adults, academic skills may be judged by their research achievements in practice (through an interview), rather than knowledge on their specified field or foreign language skills. In addition, their levels of “knowledge and skills”, “ability to think/judge/ express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, “interest and motivation” are given a great importance.

#### 【Special Category for International Students】

By oral examination, applicants will be evaluated their levels of “knowledge and skills”, “ability to think/judge/ express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, “interest and motivation”

The Graduate School of Science will comprehensively assess applicants on the basis of the application documents (such as research plan, transcript, etc).

## ▪ Principle Selection Policy (Evaluation elements and importance)

[Doctoral Course (Latter Period of Doctoral Program)]

Category of Entrance Examination	Evaluation Element	3 Key Elements of Academic Ability			Comprehension	Ability to identify problems	Interest and motivation	Cultural Knowledge
		Knowledge and Skills	Ability to think, judge, and express	Learning Attitude (to take initiative, to cooperate with diverse people)				
General Category	Written examination	◎	◎		○			
	Oral examination※2	◎	◎	◎	◎	◎	◎	○
	Application Documents (Research Plan, Transcript, etc.)	Comprehensively evaluated						
Special category for working applicants	Written examination	◎	◎		○			
	The Graduate School of Science will assess applicants based on their master's thesis or equivalent (through an interview), knowledge on their specified field, foreign language skills, research plan after enrollment and other application documents submitted. For applicants under the Special Category for Working Adults, academic skills may be judged by their research achievements in practice (through an interview), rather than knowledge on their specified field or foreign language skills.	◎	◎	◎	○	◎	◎	
	Oral examination※2	◎	◎	◎	◎	◎	◎	○
	Application Documents (Research Plan, Transcript, etc.)	Comprehensively evaluated						
Special category for international applicants	Oral examination※1	◎	◎	◎	◎	◎	◎	○
	Application Documents (Research Plan, Transcript, etc.)	Comprehensively evaluated						

※1: Examination will be carried out by using Online Meeting System, etc.

※2: The Graduate School of Science will assess applicants based on their master's thesis or equivalent (through an interview), knowledge on their specified field, foreign language skills, research plan after enrollment and other application documents submitted.

(Note) ◎...Key element we will give great importance on evaluation / ○...Key element we will give importance on evaluation

## Special Category for International Students

### 1. Admission Quota

Department	Admission Quota	
	April 2022	October 2022
Mathematics	A few students	
Condensed Matter Physics		
Cosmosciences		
Natural History Sciences		

### 2. Eligibility

Applicants must be a citizen of a county 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 Science who has agreed to be a supervisor\* after enrollment. Also, they must fulfill one of the following criteria:

- (1) Received or are expected to receive a degree equivalent to a master's degree or a professional degree at a university outside Japan prior to admission;
- (2) Received or are expected to receive a degree equivalent to a master's degree by completing a course at the United Nations University which was established based on the United Nations General Assembly Resolution of December 11 of 1972, stipulated in Article 1(2) of the Act on Special Measures Concerning the Enforcement of the Agreement between the United Nations and Japan about the Headquarters of the United Nations University (Act No. 72 of 1976);
- (3) Are recognized as having academic aptitude equivalent or superior to those who hold a master's degree by completing a school education provided by a school of a foreign country or the United Nations University, and by passing an examination or screening or equivalent specified in Article 16-2 of the Standards for the Establishment of Graduate Schools;
- (4) Have been designated by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) (Ministry of Education Notification No. 118 of 1989), i.e., completed 16 years of school education outside Japan and subsequently engaged in research at a university or a research institute for two years or longer, and are recognized by the Graduate School of Science as having reached an academic level equivalent or superior to those who hold a master's degree, based on research results; or
- (5) Are recognized as having an academic aptitude equivalent or superior to those who hold a master's degree or a professional degree through the screening for entrance eligibility conducted by the Graduate School of Science, and have reached the age of 24 by the enrollment date.

**\* Applicants must contact their prospective supervisor and obtain his/her acceptance in advance. Then they will receive a password necessary for online application. The approval from the prospective supervisor does not confirm the success in the entrance examination.**

**Also, applicants must request their prospective supervisor to write a recommendation letter (in any format) and ask him/her to submit it to the Graduate School Educational Affairs Section during the application period.**

### 3. Pre-assessment of Qualification

**Application Period: November 26 – November 30, 2021 by 5:00 PM JST**

Applicants who fall under (4) or (5) in “2. Eligibility” must go through a pre-assessment of qualification prior to the formal application period for entrance examination. Please submit “6. Application Documents” in PDF format during the above period by email to the address below. If you provide false information, your application may be rejected.

Email address: r-gakuin@sci.hokudai.ac.jp

Applicants must not pay the entrance examination fee at the time of the pre-assessment.

The results of the pre-assessment will be sent to applicants around December 9, 2021 by email. Once their qualifications have been approved, applicants must pay the examination fee in accordance with “5. Application Procedure and Payment of Fees” during the period described in “4. Application Period”.

Students who will receive the Japanese Government (MEXT) scholarship, the State- Sponsored Scholarship Program of the China Scholarship Council, or the Hokkaido University President’s Fellowship (including those who are expected to receive these scholarships) are not required to pay the examination fee.

### 4. Application Period

◆ **Online application: December 9, 2021 –December 14, 2021 by 5:00 PM JST**

\* After completing the online application, applicants must scan all application documents in PDF format and send them via email by December 14.

Email address: r-gakuin@sci.hokudai.ac.jp

◆ **Deadline for submitting application documents by post: January 7, 2022 by 5:00 PM JST**

\* Aside from the PDF files sent by email, applicants must send hard copies of the application documents by registered mail. They must be received by the deadline so consider the time for courier delivery.

\* **Applicants under (1), (2), or (3) in “2. Eligibility”** must apply by referring to “5. Application Procedure and Payment of Fees” during the application period.

\* **Applicants under (4) or (5) in “2. Eligibility”** must first apply for the pre-assessment explained in “3. Pre-Assessment of Qualifications”. Once their qualifications have been accepted, they must complete the procedure described in “5. Application Procedure and Payment of Fees” during the application period.

### 5. Application Procedure and Entrance of Fees

Applicants must complete all of the following (①-③) by the deadline specified in “4. Application Period”.

① Online Application

Applicants must have (or have access to) a printer for printing the application documents, and have an email address capable of receiving a notification from the university (cell phone’s email address is not accepted).

1) Access the Hokkaido University Online Application website using the password received from the prospective supervisor (<https://e-apply.jp/e/hokudai-sci/>)

2) Read the instructions on the website carefully and fill out all the necessary information.

3) If successfully registered, notification will be sent to the email address you have provided.

② Payment of Entrance Examination Fee

Entrance examination fee of 30,000 yen must be paid in accordance with the instructions provided on the

payment procedures screen shown after you have completed the online application. Use one of the following methods to make payment.

(i) Credit card

(ii) Pay-easy (bank ATM, Japan Post bank ATM, or online banking), convenience store, PayPay Bank (former Japan Net Bank), or Rakuten Bank

(iii) ChinaPay (online payment service offered by China UnionPay)

\* Along with the entrance examination fee, about 500 yen will be added as a handling charge.

\* Students who will receive the Japanese Government (MEXT) scholarship, the State- Sponsored Scholarship Program of the China Scholarship Council, or the Hokkaido University President's Fellowship (including those who are expected to receive these scholarships) are not required to pay the examination fee.

MEXT scholarship students recommended by Japanese Embassies/Consulates, authorities, or universities other than Hokkaido University are required to submit a copy of the letter proving that they will receive this scholarship.

\* The examination fee is not refundable except for the following cases:

- The applicant has decided not to submit an application after examination fee was remitted, or the application was not accepted.
- The applicant paid the examination fee twice by mistake.

### ③ Submission of Application Documents by Post

Print the application form and resume that are generated after you have completed the online application and send them along with other necessary documents (see "6. Application Documents") in an envelope by registered mail. It must be received by the deadline. The application documents will not be returned once submitted.

**To: Graduate School Educational Affairs Section  
Science and Life Science Administration Department  
Hokkaido University  
Kita-10 Nishi-8, Kita-ku, Sapporo 060-0810, Japan**

\* The application will be considered complete once all documents are received by the Graduate School Educational Affairs Section. Note that completion of the online application alone does not constitute completion of the application procedure.

\* Applications received after the deadline will not be accepted. Consider the time for courier delivery and be sure to post it well in advance.

## 6. Application Documents

\* In the following table, "○" indicates documents that must be submitted by all applicants; while "△" indicates documents that must be submitted by those who meet the definition in the "Remarks"

Documents		Applicants		Remarks
		(1)(2)(3)	(4)(5)	
1	Application Form and Resume.	<input type="radio"/>	<input type="radio"/> *	Print the application form and resume that are generated after completing online application registration (on A4-sized paper). * <b>Applicants under (4) or (5) in “2. Eligibility” must do so after their qualifications have been accepted through the pre-assessment.</b>
2	Application Form for Pre-assessment.		<input type="radio"/>	The specified form is available for download from the online application website.
3	One Photograph (for Resume)	<input type="radio"/>	<input type="radio"/>	Photo size must be (4cm×3cm)
4	Research plan after enrollment.	<input type="radio"/>	<input type="radio"/>	The specified form is available for download from online application website. Print on A4 sized paper.
5	Copy of the thesis for master’s degree	<input type="radio"/>		Applicable to a master’s degree holder.
6	Summary of research made during the Master’s Course (within two pages in A4-sized paper).	<input type="radio"/>		Applicable to those who received or are expected to receive a master’s degree. Applicants to the Department of Mathematics should submit a <u>summary of study and research</u> instead of a summary of research.
7	Official transcript issued by the graduate school	<input type="radio"/>	<input type="radio"/>	① Recommendation letter from the applicant’s supervisor may be attached for reference. ② Applicants under (3), (4) or (5) in “2. Eligibility” are required to submit a transcript issued by the academic institution they graduated most recently.
8	Japanese or English Proficiency Certificate	<input type="radio"/>	<input type="radio"/>	Applicants who have difficulties in submitting the Japanese or English proficiency certificate may submit a transcript or similar document that indicates Japanese or English grades issued by the graduate school they graduated from.
9	Official certificate of graduation (or expected graduation) issued by the graduate school or similar institution	<input type="radio"/>	<input type="radio"/>	① An Official Certificate must be issued by the Head of the graduate school or similar institution. (Degree information should be contained if you have already graduated.)  ◎ Applicants who graduated or are expected to graduate from a graduate school or similar institution in China (except Hong Kong and Macao) must submit the following document along with an official certificate of graduation (or expected graduation).  Applicants who; -graduated ... (a) Online Verification Report of Higher Education Qualification Certificate (教育部学历证书电子注册备案表) -are expected to graduate ... (a) Online Verification Report of Student Record (教育部学籍在线验证报告)  Document (a) can be obtained from the China Credentials Verification (中国高等教育学历证书查询 <a href="http://www.chsi.com.cn/xlcx/bgys.jsp">http://www.chsi.com.cn/xlcx/bgys.jsp</a> ) Please make sure the web authentication should be valid at least 15 days at the time of submission. ② Applicants under (4) or (5) in “2. Eligibility” are required to submit the certificate issued by the last academic institution or school they graduated. ③ Applicants under (3) in “2. Eligibility” are required to submit a document equivalent to the QE (Qualifying Examination).
10	Passport copy	<input type="radio"/>	<input type="radio"/>	Photocopy the page showing your full name.

11	Documents requested by a prospective supervisor	△	△	
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## 7. Screening Method

The Graduate School of Science will assess applicants based on their application form, resume, official transcript issued by the academic institution they graduate most recently, recommendation letter from the prospective supervisor, and other documents submitted.

## 8. Announcement of Results

The examinee's number of successful applicants will be posted on the website of the Graduate School of Science around 4:30 PM on January 31, 2022. All applicants are notified of their results individually.

## 9. Procedures for Enrollment and Payment of Fees

All successful applicants are notified of the registration procedure at the time of notification of results.  
 Enrollment Fee: 282,000 yen (estimated)  
 Tuition Fee: 267,900 yen for the first semester (Total annual tuition fee = 535,800 yen)(estimated)

\*If the tuition fee is revised during the period of your enrollment, the revised fee becomes effective immediately.

## 10. Extending the Period of Registration

It is possible to extend the standard years of study at the Graduate School of Science. Read "Extending the Period of Registration" on page 8, and submit an application if you wish to take advantage of this system.

**If you have any questions about the application procedure, please contact the following:**

**Graduate School Educational Affairs Section**  
 Science and Life Science Administration Department  
 Hokkaido University  
 Kita-10 Nishi-8 Kita-ku, Sapporo 060-0810, Japan  
 E-mail: r-gakuin@sci.hokudai.ac.jp  
**Graduate School of Science, Hokkaido University**  
<https://www.sci.hokudai.ac.jp/graduateschool/en/>

## Extending the Period of Registration

### 1. Aims

When students under special circumstances such as having a job, etc. (including child and nursing care) have asked for an extension to complete the program for a period exceeding the standard years of study (3 years) with a scheduled plan of study, such scheduled study (hereinafter referred to as “Extended Period of Registration”) may be approved after reviewing their application.

### 2. Intended Students

Students who fall under one of the criteria below and for that reason, wish to set the study period longer than the standard period to complete an academic (research) course:

- (1) Have a full-time job in a public office or company (excluding those who are exempt from job duty but receive a salary), or are self-employed;
- (2) Have a part-time job that has a significant influence on the full-time academic work;
- (3) Are taking care of children or other family members, which has a significant influence on the full-time academic work; or
- (4) Are visually impaired, hearing impaired, physically handicapped, etc., which are deemed to have a significant influence on the academic work for an extended period of time.

### 3. Attendance Period

The period approved for the Extended Period of Registration is up to 6 years for the doctor’s degree program, and a student can apply for extension by the year. Students who have been approved of Extended Period of Registration may not continue their study beyond 6 years.

Students may take a temporary leave of absence from school for up to 3 years, the same as the students under the standard period of study.

### 4. Application Procedure

#### (1) Application Period

As a general rule, application documents for Extended Period of Registration should be submitted at the time of application for entrance examination.

#### (2) Required Documents

- ① Application Form for Extended Period of Registration (Form 1).
- ② Research Plan Under Extended Period of Registration (Form 2).
- ③ Documents to prove that an applicant needs to apply for Extended Period of Registration

#### (3) Announcement of Results

The Graduate School of Science reviews each application individually and will notify the results to all the successful applicants of the entrance examination.

### 5. Reducing or Extending the Period of Extended Period of Registration

When regarded as necessary, the Graduate School of Science may approve of reducing or extending the Extended Period of Registration only once. The period of reducing the Extended Period of Registration may not exceed the period of adding one year to the standard period of study (3years).

### 6. Annual Tuition Fee

The tuition fee for students approved to study for an extended period will be calculated by multiplying the annual tuition fee by the number of years equivalent to the standard period of study (3 years), then dividing the resulting amount by the number of years approved for extended study. If the revision is made to the annual tuition fee or the changes to the Extended Period of Registration are approved, the fee will be calculated accordingly. However, the adjustment will not be made to the tuition fee which has already been paid.

Students who are waiting for results of application for Extended Period of Registration must not pay the tuition fee before they receive the official notification of results.

### 7. Other Information

For more details about Extended Period of Registration, please contact the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University.