

**Academic Year 2027**

**Graduate School of Science  
Hokkaido University**

**Doctoral Course**

(Latter Period of Doctoral Program)

**Summer Selection**

**Application Guidelines for  
Entrance Examination**

For enrollment October 2026 or April 2027

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

**June 2026**

## Important Notice

Applicants for the special category (international students) must submit a certificate for Japanese or English proficiency. Applicants who have difficulties in submitting certificates for Japanese or English proficiency may submit a transcript or similar document that shows Japanese or English grades issued by the university or school they graduated from.

### Notes to foreign applicants who enter Japan from overseas

Applicants who wish to enroll at Hokkaido University as international students are required to obtain a "Student" status of residence. Therefore, you must apply for a Student Visa before entering Japan. To apply for a Student Visa, a Certificate of Eligibility (COE)\* is required.

Please note that the issuance of the COE may take more than three months from the time of application due to Security Export Control inspections and immigration procedures.

Additionally, please note that if your intended research falls under the regulations of the Security Export Control Regulations, restrictions may apply.

\*Certificate of Eligibility: This is a certificate that the Immigration Bureau pre-approves applicants' purpose of stay in Japan and speeds up the visa application process.

### 《Reference》

- **Hokkaido University Website -Application and Acquisition of Visa**  
Japanese: <https://intl-student-handbook.oia.hokudai.ac.jp/preparation/visa>  
English: <https://intl-student-handbook.oia.hokudai.ac.jp/en/preparation-en/visa-en>
- **Ministry of Economy, Trade and Industry (METI) Website**  
<https://www.meti.go.jp/policy/anpo/>

## Personal Information Management by Hokkaido University

- (1) In handling personal information at Hokkaido University, Hokkaido University makes every effort to obey relevant laws and ordinances such as the “Protection Law for Private Information Held by Independent Administrative Corporations”, and protect personal information pursuant to “National University Corporation Hokkaido University Personal Information Management Rules”.
- (2) Personal information, such as name, address, etc., provided by the applicant to the university in the process of applying for admission and pre-assessment of qualification will be used only for 1) assessment of applicants (processing of application, conducting selection), 2) the announcement of application results, 3) enrollment procedures, 4) surveys and research on enrollee selection methods, and 5) business operations pertaining to 1-4.
- (3) Private companies commissioned by the University (hereafter called “commissioned companies”) may handle personal data to engage in the relevant operations. 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, the personal information they provided on their application forms will be used for; 1) academic affairs (registration, academic guidance, etc.), 2) student support services (health management, scholarship applications, etc.), 3) career support services, and 4) tuition and fees, and related administrative operations.
- (5) Among the personal information of (4), only contact details, name and address and so on, may be used by Hokkaido University Frontier Foundation, Alumni Association of the School of Science and Alumni Association Elm of Hokkaido University with safety measure.
- (6) Applicants will be informed separately about the handling of personal data in accordance with the EU General Data Protection Regulation (GDPR). Applicants to whom such rules apply (those applying from within the European Economic Area (EEA) member states) should notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, prior to application.

June 2026

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 Sciences, or related subjects. 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】

Written and oral examinations will be conducted in accordance with each department and field of study.

In the written examination, particular emphasis will be placed on the evaluation of “knowledge and skills” and “ability to think, judge, and express”. In the oral examination, particular emphasis will be placed on the evaluation of “knowledge and skills”, “ability to think, judge, and express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, and “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 Category for Working Adults】

Written and oral examinations will be conducted in accordance with each department and field of study.

In the written examination, particular emphasis will be placed on the evaluation of “knowledge and skills” and “ability to think, judge, and express”.

In the oral examination, particular emphasis will be placed on the evaluation of “knowledge and skills”, “ability to think, judge, and express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, and “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”, and “interest and motivation” are given a great importance.

#### 【Special Category for International Students】

In the oral examination, particular emphasis will be placed on the evaluation of “knowledge and skills”, “ability to think, judge, and express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, and “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 Their Importance)**  
**【Doctoral Course (Latter Period of Doctoral Program)】**

| Category of Entrance Examination            | Evaluation Element   | 3 Key Academic Elements   |                                      |  | 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 Adults         | 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.<br>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 Students | 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 place great importance on evaluation / ○···Key element we will place importance on evaluation

## Special Category for International Students

### 1. Admission Quota

| Department               | Admission Quota<br>(October 2026) | Admission Quota<br>(April 2027) |
|--------------------------|-----------------------------------|---------------------------------|
| Mathematics              | A few students                    | A few students                  |
| Condensed Matter Physics |                                   |                                 |
| Cosmosciences            |                                   |                                 |
| Natural History Sciences |                                   |                                 |

### 2. Eligibility

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 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 before 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.

Also, applicants must ask their prospective supervisor to create a recommendation letter (in any format) and request him/her to submit it to the Graduate School Educational Affairs Section during the application period. The approval from the prospective supervisor does not confirm the success in the entrance examination.

\* Those who wish to enroll in October 2026 must indicate so by choosing "October 2026 enrollment" at the time of online application.

### 3. Pre-Assessment of Qualification

**Application Period: June 15 (Mon) – June 17 (Wed), 2026, by 5:00 PM JST**

Applicants who fall under (4) or (5) in “2. Eligibility” must go through a pre-assessment of eligibility prior to the formal application period for entrance examination. Please submit “6. Application Documents” in PDF during the application period by email to the address below.

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 Thursday, July 2, 2026, by email. Once their eligibility has been confirmed, 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 or the State-Sponsored Scholarship Program of the China Scholarship Council are not required to pay the examination fee.

### 4. Application Period

◆ **Online application: June 30 (Tue) – July 6 (Mon), 2026 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 Friday, July 6.

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

◆ **Deadline for submitting application documents by post: Thursday, July 9, 2026, 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 Eligibility”. Once their eligibility has been confirmed, they must complete the procedure described in “5. Application Procedure and Payment of Fees” during the application period.

### 5. Application Procedure and Payment 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, 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 or the State-Sponsored Scholarship Program of the China Scholarship Council are not required to pay the examination fee.

- \* 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**

\* 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)<br>(2)<br>(3) | (4)<br>(5) |         |
|           |                   |            |         |

|   |   |                          |                         |  |
|---|---|--------------------------|-------------------------|--|
| 1 | Application Form and Resume   | <input type="radio"/>    | <input type="radio"/> * | Print the application form and resume that are generated after completing the online application (on A-4 sized paper).<br>* <b>Applicants under (4) or (5) in “2. Eligibility” must do so after their eligibility has been confirmed through the pre-assessment.</b>   |
| 2 | Application Form for Pre-assessment   |                          | <input type="radio"/>   | The prescribed form is available for download from the online application website.   |
| 3 | One photograph  | <input type="radio"/>    | <input type="radio"/>   | Photo size must be 4cm×3cm.  |
| 4 | Research plan after enrollment  | <input type="radio"/>    | <input type="radio"/>   | The prescribed 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="checkbox"/> |                         | 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="checkbox"/> |                         | 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.<br>② Applicants under (3), (4) or (5) in “2. Eligibility” are required to submit a transcript issued by the last academic institution or school they graduated.<br>*In the case that the official transcript is written in a language other than Japanese or English, “Original Official Transcript written in the language concerned” and “Original official translation in Japanese or English” must be attached.   |
| 8 | Certificate for Japanese or English proficiency   | <input type="radio"/>    | <input type="radio"/>   | Applicants who have difficulties in submitting the certificate for Japanese or English proficiency 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 equivalent institution | <input type="radio"/>    | <input type="radio"/>   | ①An 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.)<br><br>◎ Applicants who graduated or are expected to graduate from a graduate school or similar institution in China (except Taiwan, Hong Kong and Macao) must submit the following document in English along with an official certificate of graduation (or expected graduation).<br><br>Applicants who;<br>-graduated ... (a) Online Verification Report of Higher Education Qualification Certificate<br>-are expected to graduate ... (a) Online Verification Report of Student Record<br><br>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><br>Please make sure the web authentication should be valid at least 15 days at the time of submission.<br><br>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.<br>③ Applicants under (3) in “2. Eligibility” are required to submit a document equivalent to the QE (Qualifying Examination).<br>*In the case that the official transcript is written in a language other than Japanese or English, “Original Official Transcript written in the language concerned” and “Original official translation in Japanese or English” must be attached. |
| 10 | Passport copy                                   | ○ | ○ | Photocopy the page showing your full name.  |
| 11 | Documents requested by a prospective supervisor | △ | △ |   |

## 7. Screening Method

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

## 8. Announcement of Results

The examinee’s numbers of successful applicants will be posted on the website of the Graduate School of Science around 4:30 PM on Thursday, July 31, 2026. In addition, only successful 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 (estimated)

[Total annual tuition fee = 535,800 yen]

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

## 10. Important Notice

- (1) The admission may be rescinded if any false information/statements are found in the application materials.
- (2) If you need special assistance in taking the examination due to physical difficulties, consult with the Graduate School Educational Affairs Section at the time of application. \*If you have considerations desired in terms of study, also consult with the Graduate School Educational Affairs Section.

[Reference]

Information for Hokkaido University admission concerning providing reasonable accommodation  
<https://www.hokudai.ac.jp/admission/gouriteki-hairyo.html>

## 11. 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 9, 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  
Office hours (weekday) : 8:30 a.m. – 5:00 p.m. except 12:15 p.m. – 1:00 p.m.  
Tel: +81-11-706 - 3675  
E-mail: r-gakuin@sci.hokudai.ac.jp  
**Graduate School of Science, Hokkaido University**  
<https://www2.sci.hokudai.ac.jp/gs/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 the 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.

### 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.

**Academic Year 2027**

**Graduate School of Science  
Hokkaido University**

**Doctoral Course**

(Latter Period of Doctoral Program)

**Summer Selection**

**Application Guidelines for  
Entrance Examination**

For enrollment October 2026 or April 2027

**General Category and Special Category for Working Adults  
(Including Admission for International Students Residing in Japan)**

**June 2026**

## **Important Notice**

Applicants for the Department of Natural History Sciences must submit a certificate for English proficiency (the original of score sheet of either TOEFL or TOEIC). See page 6 and 9 for details.

As for the examination schedule, etc., please confirm it by yourself based on the period of application receipt.

### **Notes to foreign applicants who enter Japan from overseas**

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Please note that the issuance of the COE may take more than three months from the time of application due to Security Export Control inspections and immigration procedures.

Additionally, please note that if your intended research falls under the regulations of the Security Export Control Regulations, restrictions may apply.

\*Certificate of Eligibility: This is a certificate that the Immigration Bureau pre-approves applicants' purpose of stay in Japan and speeds up the visa application process.

### **«Reference»**

- **Hokkaido University Website -Application and Acquisition of Visa**  
Japanese: <https://intl-student-handbook.oia.hokudai.ac.jp/preparation/visa>  
English: <https://intl-student-handbook.oia.hokudai.ac.jp/en/preparation-en/visa-en>
- **Ministry of Economy, Trade and Industry (METI) Website**  
<https://www.meti.go.jp/policy/anpo/>

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- (1) In handling personal information at Hokkaido University, Hokkaido University makes every effort to obey relevant laws and ordinances such as the “Protection Law for Private Information Held by Independent Administrative Corporations”, and protect personal information pursuant to “National University Corporation Hokkaido University Personal Information Management Rules”.
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- (3) Private companies commissioned by the University (hereafter called “commissioned companies”) may handle personal data to engage in the relevant operations. 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, the personal information they provided on their application forms will be used for; 1) academic affairs (registration, academic guidance, etc.), 2) student support services (health management, scholarship applications, etc.), 3) career support services, and 4) tuition and fees, and related administrative operations.
- (5) Among the personal information of (4), only contact details, name and address and so on, may be used by Hokkaido University Frontier Foundation, Alumni Association of the School of Science and Alumni Association Elm of Hokkaido University with safety measure.
- (6) Applicants will be informed separately about the handling of personal data in accordance with the EU General Data Protection Regulation (GDPR). Applicants to whom such rules apply (those applying from within the European Economic Area (EEA) member states) should notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, prior to application.

June 2026

Graduate School of Science

Hokkaido University

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Applicants must have completed core subjects in the fields of Mathematics, Physics, Chemistry, Biological Sciences, Earth Sciences, or related subjects. 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】

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

#### 【Special Category for Working Adults】

Written and oral examinations will be conducted in accordance to each department and field of study.

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In the oral examination, particular emphasis will be placed on the evaluation of “knowledge and skills”, “ability to think, judge, and express”, “ability to work independently and cooperatively”, “comprehension”, “ability to identify problems”, and “interest and motivation”.

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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”, and “interest and motivation” are given a great importance.

#### 【Special Category for International Students】

In the oral examination, particular emphasis will be placed on the evaluation of "knowledge and skills," "ability to think, judge, and express," "ability to work independently and cooperatively", “comprehension”, “ability to identify problems”, and “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 Their Importance)**  
**【Doctoral Course (Latter Period of Doctoral Program)】**

| Category of Entrance Examination            | Evaluation Element   | 3 Key Academic Elements   |                                      |  | 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 Adults         | 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.<br>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 Students | 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 place great importance on evaluation / ○···Key element we will place importance on evaluation

## General Category and Special Category for Working Adults

### 1. Admission Quota

| Department               | Admission Quota |            | Website's URL  |
|--------------------------|-----------------|------------|--|
|                          | October 2026    | April 2027 |  |
| Mathematics              | A few students  | 16         | <a href="https://www2.sci.hokudai.ac.jp/dept/math/">https://www2.sci.hokudai.ac.jp/dept/math/</a>  |
| Condensed Matter Physics | A few students  | 10         | <a href="https://phys.sci.hokudai.ac.jp/wp/cond-mat/">https://phys.sci.hokudai.ac.jp/wp/cond-mat/</a>  |
| Cosmosciences            | A few students  | 9          | <a href="https://www.ep.sci.hokudai.ac.jp/~cosmo/index-e.htm">https://www.ep.sci.hokudai.ac.jp/~cosmo/index-e.htm</a>  |
| Natural History Sciences | A few students  | 20         | Earth and Planetary Dynamics/<br>Earth and Planetary System Science/ Seismology and Volcanology:<br><a href="https://geodynamics.sci.hokudai.ac.jp/dyna-admin/en/index.html">https://geodynamics.sci.hokudai.ac.jp/dyna-admin/en/index.html</a><br><a href="https://epsys.sci.hokudai.ac.jp/english.html">https://epsys.sci.hokudai.ac.jp/english.html</a><br><a href="https://isv.sci.hokudai.ac.jp/english/">https://isv.sci.hokudai.ac.jp/english/</a><br>Biodiversity:<br><a href="https://biodiversity.sci.hokudai.ac.jp/bd/en/">https://biodiversity.sci.hokudai.ac.jp/bd/en/</a><br>Science Communication:<br><a href="https://sc.sci.hokudai.ac.jp/">https://sc.sci.hokudai.ac.jp/</a> |
| Total                    | —               | 55         |  |

#### Notes

- ① For more details about each department, please contact the department concerned.
- ② Applicants to the Department of Natural History Sciences must choose from among the Divisions of 1) Earth and Planetary Dynamics/Earth and Planetary System Science/Seismology and Volcanology, 2) Biodiversity, or 3) Science Communication. Check the appropriate box on the application form.
- ③ The admission quota in the table above includes working adults and international students. Those who wish to enroll while continuing their employment may apply under the Special Category for Working Adults.
- ④ Some departments may conduct a winter selection. (The entrance examination for the winter selection is scheduled in mid-February.)

### 2. Eligibility

#### Applicants must fulfill one of the following criteria:

- (1) Received or are expected to receive a master's degree or a professional degree (refers to the professional degree stipulated in Article 5-2 of the Degree Regulations (Ordinance of the Ministry of Education, Science and Culture No. 9 of 1953) in accordance with the provisions of Article 104(3) of the School Education Act) prior to admission;
- (2) 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;
- (3) Received or are expected to receive a degree equivalent to a master's degree or a professional degree by completing course subjects through a distance-learning course offered by a school of a foreign country while living in Japan prior to admission;
- (4) Received or are expected to receive a degree equivalent to a master's degree or a professional degree by completing a school education at an institution established in Japan that is recognized by the school education system of a foreign country as an equivalent of the graduate school of that country and is designated separately by the Ministry of Education, Culture, Sports, Science and Technology (MEXT);
- (5) 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);

- (6) 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, an educational institution designated in (4) above, 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;
- (7) Have been designated by MEXT (Ministry of Education Notification No. 118 of 1989), i.e.;
- ① Graduated from a university, 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.
  - ② Completed 16 years of school education outside Japan, or completed 16 years of school education of a foreign country through a distance-learning course offered by a school of that country while living in 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
- (8) Are recognized as having academic aptitude equivalent or superior to those who have 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 before the enrollment date.

\* Applicants must contact their prospective supervisor and obtain his/her acceptance in advance. The approval from the prospective supervisor does not confirm the success in the entrance examination. Also, applicants must check a supplementary description of “Documents Specified by Each Department (Motivation for application and List of preferred laboratories or fields)”.

\* Applicants who wish to enroll in October 2026 must indicate so by checking the appropriate box on the application form.

### 3. Pre-Assessment of Eligibility

**Application Period: June 15 (Mon) – June 17 (Wed), 2026**

Applicants who fall under (7) or (8) in “2. Eligibility” must go through a pre-assessment of eligibility prior to the application for entrance examination. Please submit “5. Application Documents” during the period described above. To receive the result, please enclose a self-addressed envelope with an 110-yen stamp affixed.

Applicants must not pay the entrance examination fee at the time of the pre-assessment. They should pay the entrance examination fee in accordance with the notes below. Application documents must be sent by mail and must be received by the deadline.

Notes:

\*The results of the pre-assessment will be sent to applicants around Thursday, July 2, 2026, by post. Once their eligibility has been confirmed, applicants must pay the examination fee in accordance with “7. Entrance Examination Fee,” and submit the payment certificate by Thursday, July 9, 2026. Application will not be accepted if the payment certificate is not received during the specified period.

\*Students who will receive the Japanese Government (MEXT) scholarship or the State-Sponsored Scholarship Program of the China Scholarship Council are not required to pay the examination fee.

### 4. Application Period

**Application Period: July 3 (Fri) – July 9 (Thu), 2026**

Applicants who fall under (1) through (6) in “2. Eligibility” must submit “5. Application Documents” together with the payment certificate (see “7. Entrance Examination Fee”) during the application period. (Application documents must be sent by post and must be received by the deadline.)

## 5. Application Documents

### (1) General Category

\* Applicants who fall under (7) or (8) in “2. Eligibility” must submit the following documents during the application period described in “3. Pre-Assessment of Eligibility”.

\* 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)<br>(3) (4)<br>(5) (6) | (7)<br>(8) |   |
| 1         | Application Form, Resume, Admission Ticket and Photo Card   | ○                             | ○          | [Prescribed form]<br>Applicants who have completed a school education outside Japan or a distance-learning course offered by a foreign educational institution must fill out <b>Resume B</b> .  |
| 2         | Research plan after enrollment  | ○                             | ○          | [Prescribed form]   |
| 3         | Copy of the thesis for master’s degree  | △                             |            | ① Applicable to a master’s or professional degree holder.<br>② Applicants from the Master's Course in the Graduate School of Science, Hokkaido University are not required to submit this document.   |
| 4         | Summary of research made during the Master’s Course (within two pages in A4-sized paper)                            | △                             |            | 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.   |
| 5         | List of research accomplishments and copy of principal research paper   |                               | ○          | [In any format]   |
| 6         | Certificate of research   |                               | ○          | [In any format]<br>Documents to prove the topic and period of your research issued by the head of university, research institute or a supervisor.   |
| 7         | Official transcript issued by the graduate school or equivalent institution   | ○                             | ○          | ① Applicants from the Master's Course in the Graduate School of Science, Hokkaido University are not required to submit this document.<br>② Applicants under (6), (7) or (8) in “2. Eligibility” are required to submit a transcript issued by the last academic institution or school they graduated.<br>*In the cases where the official transcript is written in a language other than Japanese or English, applicants must submit an official translation into Japanese or English, together with the original transcript. <del>“Original Official Transcript written in the language concerned” and “Original official translation in Japanese or English” must be attached.</del> |
| 8         | Official certificate of graduation (or expected graduation) issued by the graduate school or equivalent institution | ○                             | ○          | ① An Official Certificate must be issued by the Head of the graduate school or equivalent institution. (Degree information should be contained if you have already graduated.)<br><br>◎ Applicants who graduated or are expected to graduate from a graduate school or equivalent institution in China (except Taiwan, Hong Kong and Macao) must submit the following document in English along with an official certificate of graduation (or expected graduation).<br><br>Applicants who;<br>-graduated ... (a) Online Verification Report of Higher  |

|    |   |   |   |   |
|----|---|---|---|---|
|    |   |   |   | <p>Education Qualification Certificate<br/>-are expected to graduate ... (a) Online Verification Report of Student Record</p> <p>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>)<br/>Please make sure the web authentication should be valid at least 15 days at the time of submission.</p> <p>② Applicants from the Master's Course in the Graduate School of Science, Hokkaido University are not required to submit this document.</p> <p>③ Applicants under (7) or (8) in “2. Eligibility” are required to submit the certificate issued by the last academic institution or school they graduated.</p> <p>④ Applicants under (6) in “2. Eligibility” are required to submit a document equivalent to the Qualifying Examination.<br/>*In the case that the official transcript is written in a language other than Japanese or English, “Original Official Transcript written in the language concerned” and “Original official translation in Japanese or English” must be attached.</p>   |
| 9  | Documents specified by each department  | △ | △ | See “(3) Documents Specified by Each Department” below.   |
| 10 | Self-addressed envelope to receive an admission ticket for entrance examination               | ○ | ○ | [Prescribed envelope]<br>Write your name, mailing address and postal code on an envelope with a 480-yen stamp attached. If you need to change your address afterwards, notify the Graduate School Educational Affairs Section immediately.  |
| 11 | Stickers to receive application results and to be used for communication purposes             | ○ | ○ | [Prescribed sticker]<br>Write your name, mailing address and postal code on each sticker. If you need to change your address afterwards, notify the Graduate School Educational Affairs Section immediately.  |
| 12 | Recommendation letter from the president or a faculty member of the last academic institution | △ | △ | [A4-sized paper in any format]<br>Applicants to the Departments of Mathematics, Condensed Matter Physics or CosmoSciences may submit this document (not mandatory).   |
| 13 | Certificate for English proficiency (The original score sheet of TOEFL or TOEIC)              | △ | △ | <p>All applicants for the Department of Natural History Science must submit a score sheet for either (1) or (2).<br/>The original score sheet must be submitted (See “Note” below). If (3) applies, contact the Graduate School Educational Affairs Section in advance.</p> <p>(1) TOEIC Public Testing [Listening &amp; Reading] (must have been taken in or after July 2024)<br/>* A printed Digital Official Score Certificate is deemed to the original Official Score Certificate.</p> <p>(2) TOEFL-iBT (Home Edition) (must have been taken in or after July 2024)<br/>Applicants who took the test after Spring 2026 submit the printed score downloaded from their ETS account.<br/>TOEFL-ITP, TOEIC-IP and TOEIC-Bridge are not accepted.</p> <p>(3) Those who are educated in the English language at a university (or graduate school) in Japan or abroad.<br/>If documents, which prove that applicants were educated in the English language at the university (or graduate school) attended (e.g.) Medium of Instruction certificate), are submitted, there is a possibility that the English score sheet is exempted from submission. Applicants must contact the Graduate School Educational Affairs Section if applicable.</p> |

|    |   |  |                       |  |
|----|---|--|-----------------------|--|
| 14 | Self-addressed envelope to receive the result of pre-assessment |  | <input type="radio"/> | Write your name, mailing address and postal code on a standard envelope with a 110-yen stamp attached. |
|----|---|--|-----------------------|--|

(Note) Handling of the English Proficiency Score Sheet Submission

No additions or replacements of score sheets submitted during the application period will be accepted.

**(2) Special Category for Working Adults**

\* Applicants under (7) or (8) in “2. Eligibility” must submit the following documents during the application period for “3. Pre-assessment of Eligibility.”

\* 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)<br>(3) (4)<br>(5) (6) | (7)<br>(8)            |   |
| 1 | Application Form, Resume, Admission Ticket and Photo Card  | <input type="radio"/>         | <input type="radio"/> | [Prescribed form]<br>Applicants who have completed a school education outside Japan or a distance-learning course offered by a foreign educational institution must fill out <b>Resume B</b> .  |
| 2 | Certificate of employment issued by a person with authority over personnel administration in the applicant’s workplace | <input type="radio"/>         | <input type="radio"/> | [In any format]<br>Successful applicants will be required to submit a written consent on enrolling in the doctoral course while continuing their employment, issued by the person who has authority over personnel management. All applicants are advised to obtain the consent in advance.   |
| 3 | Research plan after enrollment   | <input type="radio"/>         | <input type="radio"/> | [Prescribed form]   |
| 4 | List of research accomplishments and copy of principal research paper  | <input type="radio"/>         | <input type="radio"/> | [In any format]   |
| 5 | Certificate of research  | <input type="radio"/>         | <input type="radio"/> | [In any format]<br>Documents to prove the topic and period of your research issued by the president of a university, head of a research institute or a supervisor.  |
| 6 | Official transcript issued by the last graduate school or equivalent institution                                       | <input type="radio"/>         | <input type="radio"/> | ① Applicants from the Master's Course in the Graduate School of Science, Hokkaido University are not required to submit this document.<br>② Applicants under (6), (7) or (8) in “2. Eligibility” are required to submit a transcript issued by the last academic institution or school they graduated.<br>*In the case that the official transcript is written in a language other than Japanese or English, “Original Official Transcript written in the language concerned” and “Original official translation in Japanese or English” must be attached |
| 7 | Official certificate of graduation issued by the last graduate school or equivalent institution                        | <input type="radio"/>         | <input type="radio"/> | ①An 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.)<br><br>◎ Applicants who graduated or are expected to graduate from a graduate school or similar institution in China (except Taiwan, Hong Kong and Macao) must submit the following document in English along with an official certificate of graduation (or expected graduation.)<br><br>Applicants who;  |

|    |   |   |   |   |
|----|---|---|---|---|
|    |   |   |   | <p>-graduated ... (a) Online Verification Report of Higher Education Qualification Certificate</p> <p>-are expected to graduate ... (a) Online Verification Report of Student Record</p> <p>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>)</p> <p>Please make sure the web authentication should be valid at least 15 days at the time of submission.</p> <p>② Applicants from the Master's Course in the Graduate School of Science, Hokkaido University are not required to submit this document.</p> <p>③ Applicants under (7) or (8) in “2. Eligibility” are required to submit the certificate issued by the last academic institution or school they graduated.</p> <p>④ Applicants under (6) in “2. Eligibility” are required to submit a document equivalent to the Qualifying Examination.</p> <p>*In the case that the official transcript is written in a language other than Japanese or English, “Original Official Transcript written in the language concerned” and “Original official translation in Japanese or English” must be attached</p> |
| 8  | Documents specified by each department  | △ | △ | See “(3) Documents Specified by Each Department” below.   |
| 9  | Self-addressed envelope to receive an admission ticket for entrance examination   | ○ | ○ | <p>[Prescribed envelope]</p> <p>Write your name, mailing address and postal code on the prescribed envelope with a 480-yen stamp attached. If you need to change your address afterwards, notify the Graduate School Educational Affairs Section immediately.</p>   |
| 10 | Stickers to receive application results and to be used for communication purposes   | ○ | ○ | <p>[Prescribed sticker]</p> <p>Write your name, mailing address and postal code on each sticker. If you need to change your address afterwards, notify the Graduate School Educational Affairs Section immediately.</p>   |
| 11 | Recommendation letter from a person with authority over personnel management in the workplace, or by a (prospective) supervisor at the university or research institute | △ | △ | <p>[A4-sized paper in any format]</p> <p>Applicants to the Departments of Mathematics, Condensed Matter Physics, or CosmoSciences may submit this document (not mandatory).</p>   |
| 12 | Certificate for English proficiency (The original score sheet of TOEFL or TOEIC)  | △ | △ | <p>All applicants for the Department of Natural History Science must submit a score sheet for either (1) or (2). The original score sheet must be submitted (See “Note” below).</p> <p>(1) TOEIC Public Testing [Listening &amp; Reading] (must have been taken in or after July 2024)</p> <p>* A printed Digital Official Score Certificate is deemed to the original Official Score Certificate.</p> <p>(2) TOEFL-iBT (Home Edition) (must have been taken in or after July 2024)</p> <p>TOEFL-ITP, TOEIC-IP and TOEIC-Bridge are not accepted. Applicants who took the test after Spring 2026 submit the printed score downloaded from their ETS account.</p> <p>(3) Those who are educated in the English language at a university (or graduate school) in Japan or abroad.</p> <p>If documents, which prove that applicants were educated in</p>   |

|    |   |  |                       |  |
|----|---|--|-----------------------|--|
|    |   |  |                       | the English language at the university (or graduate school) attended (e.g.) Medium of Instruction certificate), are submitted, there is a possibility that the English score sheet is exempted from submission. Applicants must contact the Graduate School Educational Affairs Section if applicable. |
| 13 | Self-addressed envelope to receive the result of pre-assessment |  | <input type="radio"/> | Write your name, mailing address and postal code on a standard envelope with a 110-yen stamp attached.   |

**(Note) Handling of the English Proficiency Score Sheet Submission**

No additions or replacements of score sheets submitted during the application period will be accepted.

**(3) Documents Specified by Each Department**

| Department               | Documents to be submitted  | Remarks  |   |
|--------------------------|--|--|---|
| Mathematics              | Motivations for application<br>(Prescribed form)   | Describe the motivations for applying to this department.<br>Check the appropriate box in the section for the period of completing the master's degree.  |   |
| Condensed Matter Physics | List of preferred laboratories or fields<br>(Prescribed form)                                    | You must contact the supervisor of prospective laboratory in advance and obtain their permission for acceptance and for listing the laboratory on the survey sheet.  |   |
| Cosmosciences            | List of preferred laboratories or fields<br>(Prescribed form)                                    | Provide the name of one laboratory you wish to choose from the List of Supervisors and Research Fields. To do so, you must contact the supervisor of your prospective laboratory in advance and obtain their permission for acceptance and for listing the laboratory on the survey sheet. |   |
| Natural History Sciences | Earth and Planetary Dynamics<br>Earth and Planetary System Science<br>Seismology and Volcanology | List of preferred laboratories or fields<br>(Prescribed form)  | Provide the name of one laboratory you wish to choose from the List of Supervisors and Research Fields. |
|                          | Biodiversity   | List of preferred supervisors<br>(Prescribed form)   | Provide the name(s) of supervisor(s)  |
|                          | Science Communication  | 1. List of preferred laboratories or fields<br>(Prescribed form)<br>2. Motivation for application<br>(Prescribed form)   |   |

**6. Where to Submit**

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 must be sent by express registered mail. Please mark “Application for graduate student enclosed” in red on the front of the envelope. Please use an envelope prepared by you, not the “envelope for sending examination ticket” provided in the admission guidelines.

## 7. Entrance Examination Fee: 30,000 yen

- (1) Students who are expected to complete the Master's Course offered by the graduate schools of Hokkaido University and continue to the doctoral program without any interruption, or who will receive the Japanese Government (MEXT) scholarship\* or the State-Sponsored Scholarship Program of the China Scholarship Council (CSC), are not required to pay the examination fee.  
\* MEXT scholarship students recommended by universities other than Hokkaido University are required to submit a copy of the letter proving that they will receive this scholarship.
- (2) Remit the examination fee through a bank or a post office by using the payment slip for entrance examination fee which is enclosed in the application package, and attach the payment certificate to the appropriate section on the application form.
- (3) 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.

## 8. Screening Method

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.

- \* Applicants to the Department of Mathematics may need to take a written exam. Please refer to the "Examination Details for the Department of Mathematics" (provided in Japanese).
- \* In the Department of Natural History Science, TOEFL or TOEIC scores are taken into account in the selection process. Please check the TOEFL and TOEIC examination dates, application periods, etc., on your own.
- \* Department of Natural History Science (Biodiversity) offers both online and face-to-face examinations. Please choose your preferred method and indicate it on both the "List of Preferred Supervisors (志望指導教員調査票)" and "Request Form for Online Oral Examination (オンライン口頭試問希望調査票)". The online oral examination will be conducted on the same day as the face-to-face oral examination. Please note: Only an online oral examination is available for the Science Communication department.

## 9. Examination Dates and Venue

**Dates: August 10 (Mon) - 11 (Tue, public holiday), 2026**

**Venue: Graduate School of Science, Hokkaido University (Kita-10 Nishi-8 Kita-ku, Sapporo)**

**\*Excluding online examination**

- \* The Graduate School of Science will send detailed information on the entrance examination when sending the administration ticket.

## 10. Announcement of Results

The examinee's numbers of successful applicants will be posted on the website of the Graduate School of Science around 4:30 PM on Thursday, September 3, 2026. In addition, only successful applicants are individually notified of their results.

## 11. Procedures for Enrollment and Payment of Fees

All successful applicants are notified of the registration procedures at the time of notification of results.

Enrollment Fee: 282,000 yen (estimated)

\* Applicants who are expecting to complete a Master's Course in the graduate schools of Hokkaido University are not required to pay the enrollment fee.

Tuition Fee: 267,900 yen for the first semester (estimated) [Total annual tuition fee = 535,800 yen]

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

## 12. Important Notice

- (1) Make sure to bring your admission ticket on the day of examination and put it on your desk.
  - (2) After submitting the application documents, applicants are not allowed to change their selection of department for any reason.
  - (3) The admission may be rescinded if any false information/statements are found in the application materials.
  - (4) If you need special assistance in taking the examination due to physical difficulties, consult with the Graduate School Educational Affairs Section at the time of application.
- \*If you have considerations desired in terms of study, also consult with the Graduate School Educational Affairs Section.

[Reference]

Information for Hokkaido University admission concerning providing reasonable accommodation  
<https://www.hokudai.ac.jp/admission/gouriteki-hairyo.html>

## 13. 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 12, and submit an application if you wish to take advantage of this system.

## 14. Other Information

The admission ticket for the entrance examination will be sent around Tuesday, July 21, 2026, to all applicants whose application documents have been accepted.

**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  
Office hours (weekday): 8:30 a.m. – 5:00 p.m. except 12:15 p.m. – 1:00 p.m.  
Tel: +81-11-706 - 3675  
E-mail: [r-gakuin@sci.hokudai.ac.jp](mailto:r-gakuin@sci.hokudai.ac.jp)  
**Graduate School of Science, Hokkaido University**  
<https://www2.sci.hokudai.ac.jp/gs/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.

### 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.

# List of Supervisors and Research Fields

As of April 1, 2026

Doctoral Course

## Department of Mathematics, Graduate School of Science

| Fields              | Supervisors                   |                    | Keywords  | Remarks                             |
|---------------------|-------------------------------|--------------------|---|-------------------------------------|
| Algebra             | Professor                     | ASAKURA Masanori   | Arithmetic geometry   |                                     |
|                     | Professor                     | SHIBUKAWA Youichi  | Yang-Baxter equations and quantum groups  |                                     |
|                     | Professor                     | YASUDA Seidai      | Number theory, arithmetic geometry  |                                     |
|                     | Specially Appointed Professor | MATSUMOTO Keiji    | Special functions   | Scheduled to retire in March, 2027. |
|                     | Associate Professor           | OUCHI Genki        | Algebraic geometry, derived category of coherent sheaves, moduli space                                      |                                     |
|                     | Associate Professor           | CAI, Yuanqing      | Number theory, representation theory, automorphic L-functions, automorphic representations, covering groups |                                     |
|                     | Associate Professor           | SCRIMSHAW, Travis  | Combinatorics, representation theory, schubert calculus   |                                     |
|                     | Associate Professor           | MATSUSHITA Daisuke | Algebraic geometry  |                                     |
| Geometry            | Professor                     | AKITA Toshiyuki    | Algebraic topology, group cohomology, quandle   |                                     |
|                     | Professor                     | INOGUCHI Junichi   | Geometry, integrable systems, Lie group, homogeneous spaces   |                                     |
|                     | Professor                     | KOBAYASHI Shimpei  | Differential geometry, integrable systems   |                                     |
|                     | Professor                     | FURUHATA Hitoshi   | Differential geometry   |                                     |
|                     | Associate Professor           | KASUYA Naohiko     | Differential topology, contact structures, complex structures   |                                     |
|                     | Associate Professor           | KAWASAKI Morimichi | Symplectic geometry, geometric group theory, differential topology  |                                     |
|                     | Associate Professor           | NOZAKI Yuta        | Low-dimensional topology, knot, mapping class group of surfaces   |                                     |
| Analysis            | Professor                     | KUBO Hideo         | Partial differential equations associated with nonlinear dynamics   |                                     |
|                     | Professor                     | KOBAYASHI Masaharu | Harmonic Analysis   |                                     |
|                     | Professor                     | HONDA Naofumi      | Algebraic analysis  | Scheduled to retire in March, 2025. |
|                     | Professor                     | MIYAO Tadahiro     | Mathematical physics, functional analysis, condensed matter physics   |                                     |
|                     | Specially Appointed Professor | HORA Akihito       | Functional analysis, probability theory   | Scheduled to retire in March, 2027. |
|                     | Associate Professor           | UMETA Yoko         | Exact WKB analysis, asymptotic analysis, higher order Painlevé equations, stokes geometry                   |                                     |
|                     | Associate Professor           | SUZUKI Yuhei       | Operator algebras   |                                     |
|                     | Associate Professor           | HASEBE Takahiro    | Probability theory, functional analysis   |                                     |
|                     | Associate Professor           | HAMAMUKI Nao       | Nonlinear partial differential equations, theory of viscosity solutions                                     |                                     |
| Applied Mathematics | Professor                     | SAKAI Akira        | Probability theory, statistical mechanics, mathematical physics   |                                     |
|                     | Professor                     | NAGAYAMA Masaharu  | Reaction-diffusion systems, mathematical modeling, numerical simulation                                     |                                     |
|                     | Professor                     | NAMIKI Takao       | Ergodic theory, dynamical systems, complex systems  |                                     |
|                     | Professor                     | MASAKI Satoshi     | Partial differential equations, harmonic analysis, variational analysis                                     |                                     |
|                     | Associate Professor           | UEDA Yuki          | Partial differential equations, numerical analysis  |                                     |
|                     | Associate Professor           | KURODA Hiroto      | Partial differential equations, variational analysis  |                                     |
|                     | Associate Professor           | SATO Yuzuru        | Complex systems, chaotic dynamical systems  |                                     |
|                     | Associate Professor           | TASAKI Sohei       | Mathematical life sciences, microbiology  |                                     |
|                     | Associate Professor           | TABATA Koji        | Online learning, data science, theory of computation  |                                     |
|                     | Associate Professor           | NAKANO Yushi       | Dynamical systems, ergodic theory, chaos  |                                     |

※There is a possibility that the members of supervisors change. Please get the latest information from the website of the Graduate School of Science.

**Department of Condensed Matter Physics, Graduate School of Science**

| Laboratories                                       | Supervisors         |                    | Keywords  | Remarks                  |
|--|---------------------|--------------------|---|--------------------------|
| Electronic Properties of Solids                    | Professor           | YOSHIDA Hiroyuki   | We develop new materials in strongly correlated electron systems by various chemical methods including high pressure synthesis, and elucidate their properties by both bulk physical properties measurements (electrical resistivity, magnetization, specific heat measurements, and precise measurements in ultra-high magnetic fields, etc) and microscopic measurements ( $\mu$ SR, neutron and synchrotron X-ray scattering, etc).<br>Specifically, we develop frustrated magnetic materials, multipole materials, skyrmion materials, novel actinide compounds and also search for quantum many-body states in high magnetic fields, cross-correlational phenomena, and new superconducting states and odd-parity multipoles.  |                          |
|  | Assistant Professor | KON Fusako         |   |                          |
|  | Assistant Professor | KITAZAWA Takafumi  |   |                          |
| J-Material: Physics of Strongly Correlated Systems | Professor           | AMITSUKA Hiroshi   | J-material, superconductivity, Magnetism, Heavy fermion, Quantum phase transition, Magnetoelectric effects, Very low temperatures, High magnetic fields, High pressure, Ultrasonic measurements, $\mu$ SR, Neutron scattering, RXS, Ferroelectrics, Multiferroics, Electronic ferroelectricity, Phase transition, Photoinduced cooperative phenomena  |                          |
|  | Professor           | YANAGISAWA Tatsuya |   |                          |
|  | Associate Professor | TAKESADA Masaki    |   |                          |
|  | Lecturer            | HIDAKA Hiroyuki    |   |                          |
| Electronic Properties of Low-dimensional Material  | Professor           | KAWAMOTO Atsushi   | NMR, Strongly-correlated electron systems, Superconductivity, Magnetism Low-dimensional organic conductors, Scanning tunneling microscopy (STM), Scanning tunneling spectroscopy (STS), Nonlinear conductivity, Symmetry of Cooper pairs, Spin density waves (SDWs), Chiral superconductivity, Mesoscopic systems, Topological phenomena, Semiconductor, Nanocrystals, Laser Spectroscopy   | No acceptance for FY2027 |
|  | Associate Professor | MATSUNAGA Noriaki  |   |                          |
|  | Associate Professor | IHARA Yoshihiko    |   |                          |
|  | Assistant Professor | YAMAMOTO Sekika    |   |                          |
|  | Assistant Professor | NOBUKANE Hiroyoshi |   |                          |
|  | Assistant Professor | FUKUOKA Syuhei     |   |                          |
| Quantum functional Materials                       | Associate Professor | HATANO Takafumi    | We study the development of high-performance devices based on functional materials, as well as the elucidation of the underlying fundamental physical properties inherent in such devices, by integrating high-quality thin-film growth using molecular beam epitaxy (MBE), microfabrication enabled by semiconductor processing technologies, and advanced interface control incorporating heterojunctions and strain effects.<br>Our primary research targets material systems containing Group 15 elements, most notably iron-based superconductors; in addition, we explore a wide range of other functional materials. Our recent research topics include the following:   |                          |
| Statistical Physics                                | Professor           | HAYAMI Satoru      | We theoretically study novel physical phenomena in strongly-correlated electron systems based on quantum mechanics and statistical physics. We aim to systematically understand physical phenomena and explore the possibility of new electronic states and quantum phenomena. The recent research topics are the following.<br>(1) Classification of electronic physical properties based on microscopic multipoles<br>(2) Topological magnetism including magnetic skyrmions<br>(3) Emergent spin-orbit-coupled physics in magnetic materials<br>(4) Cross-correlated phenomena over electric, magnetic, elastic, heat, and light<br>(5) Exploring novel physics by using a machine-learning method<br>(6) Development of effective model calculation method based on DFT calculation and electronic multipole theory<br>(7) Elucidation of universal properties of chiral and ferroaxial materials |                          |
|  | Lecturer            | OIWA Rikuto        |   |                          |
|  | Assistant Professor | OKUDA Koji         |   |                          |

| Laboratories   | Supervisors                  |                   | Keywords   | Remarks                  |
|--|------------------------------|-------------------|--|--------------------------|
| Mathematical Physics   | Professor                    | YAMAMOTO Shoji    | making full use of various—both analytical and numerical—quantum statistical methods, we explore novel quantum cooperative phenomena in strongly correlated electron systems. A recent keyword is "topology". Interpretation of phenomena must be our ultimate goal, but we often take further interest in the mathematical and methodological ways we can accomplish this. We construct microscopic theories on a variety of physics such as quantum spin liquid, photoinduced magnetism, nuclear magnetic resonance, inelastic neutron scattering, Raman scattering, optical conductivity, and angle-resolved photoemission spectroscopy. We sometimes enjoy theoretical formulation in itself and sometimes interpret observations in cooperation with experimentalists and chemist |                          |
|  | Associate Professor          | OHARA Jun         |  |                          |
|  | Assistant Professor          | INOUE Takashi     |  |                          |
| Nanostructure Physics (RIES)   | Professor                    | KOBAYASHI Kaya    | Superconductors and magnets, novel materials synthesis, layered materials, transition metal dichalcogenides, van der Waals heterostructure, material characterization, thin flake devices, thin film, MBE, TEM   |                          |
|  | Assistant Professor          | OISHI Ryohei      |  |                          |
|  | Associate Professor          | KONDO Kenji       | Quantum field theory, Many-body perturbation theory, Spintronics devices, Magnetism, Electronic correlations, Dirac electron, Topological insulator  | No acceptance for FY2027 |
| Condensed Matter Theory<br>Field of Advanced Functional Materials and Physics (NIMS)                     | Visiting Professor           | YAMASE Hiroyuki   | Quantum many-body theory, Superconductivity, Magnetism, Critical phenomena, Electronic nematic liquids   |                          |
| Nano-system Photonics<br>Field of Advanced Functional Materials and Physics (NIMS)                       | Visiting Professor           | NAGAO Tadaaki     | Surface physics, Nanophotonics, Energy conversion, Nanomaterials   |                          |
| Solid State Physics in High Magnetic Fields<br>Field of Advanced Functional Materials and Physics (NIMS) | Visiting Professor           | IMANAKA Yasutaka  | Magneto-Spectroscopy, High magnetic field, Terahertz wave, Cyclotron resonance, Quantum Hall effect, Dirac Fermion, Topological insulator  |                          |
| Surface Quantum Phase Materials<br>Field of Advanced Functional Materials and Physics (NIMS)             | Visiting Professor           | UCHIHASHI Takashi | Surface and interface, Atomic layer, Two-dimensional, Quantum materials, Superconductivity, Topological state, Ultrahigh vacuum, Nanotechnology, Scanning tunneling microscopy, Electron transport   |                          |
| Muon Spin Resonance Laboratory<br>Field of Spin Resonance Material Science (RIKEN)                       | Visiting Professor           | WATANABE Isao     | $\mu$ SR material science at the RIKEN-RAL Muon Facility in the UK. Experimental and theoretical studies on the magnetism, superconductivity, industrial applications, non-destructive element analysis, muon hyperfine interactions in metals, insulators and organic molecules. Muon site and magnetic spin structural analysis by the density functional theory.  |                          |
| Electron Spin Resonance Laboratory<br>Field of Spin Resonance Material Science (RIKEN)                   | Visiting Associate Professor | OSHIMA Yugo       | Electron Spin Resonance (ESR) from X-band to millimeter and sub-millimeter waves, High magnetic field, Strongly-correlated materials, Molecular magnets, Molecular conductors, Spin-Liquid system, Nano-carbon materials.  |                          |

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## Department of CosmoSciences, Graduate School of Science

| Laboratories                               | Supervisors         |                    | Keywords  | Remarks                           |
|--|---------------------|--------------------|---|-----------------------------------|
| Observational Astronomy                    | Professor           | SORAI Kazuo        | Observational astronomy, extragalactic astronomy, interstellar matter, development of observational instruments and system for the Antarctic THz telescope and small ultraviolet telescopes   |                                   |
| Theoretical Particle Physics and Cosmology | Professor           | KOBAYASHI Tatsuo   | Particle physics, beyond the standard model, dark matter, dark energy, grand unified theory, superstrings, supersymmetry, early universe  | Institute for Academic Innovation |
|  | Professor           | SETO Osamu         |   |                                   |
|  | Associate Professor | SUGISHITA Sotaro   |   |                                   |
|  | Lecturer            | SUEHIRO Kazuhiko   |   |                                   |
|  | Assistant Professor | DAS Arindam        |   |                                   |
| Theoretical Nuclear Physics                | Associate Professor | NOMURA Kosuke      | Nuclear structure and dynamics, and related quantum many-body techniques; Microscopic description of nuclear deformations and collective motions, nuclear density functional theory, collective models; exotic nuclear deformations and collective excitations, octupole deformation, and shape coexistence; beta decays relevant to the nucleosynthesis in the early universe, neutrinoless double beta decay, electric dipole moments, fundamental nuclear processes; numerical simulations using high-performance computers; international collaborations. |                                   |
| Theoretical Astrophysics                   | Professor           | OKAMOTO Takashi    | Theoretical astronomy, numerical simulations, semi-analytic modelling, first star formation, first galaxy formation, galaxy evolution, galaxy clusters, supermassive black holes, interstellar matter, star formation   |                                   |
|  | Assistant Professor | SUGIMURA Kazuyuki  |   |                                   |
| Planetary and Space Group                  | Professor           | KURAMOTO Kiyoshi   | Origin and evolution of planets and satellites, material evolution during planetary system formation, structure and dynamics of Earth and planetary atmospheres, comparative planetology, space exploration and ground-based observation, experimental studies, theory and hierarchical numerical simulation models, applications of information technology   |                                   |
|  | Professor           | TAKAHASHI Yukihiro |   |                                   |
|  | Professor           | ISHIWATARI Masaki  |   |                                   |
|  | Professor           | SATO Mitsuteru     |   |                                   |
|  | Associate Professor | KAMATA Shunichi    |   |                                   |
|  | Lecturer            | TAKAGI Seiko       |   |                                   |

| Laboratories                 | Supervisors                  |                   | Keywords   | Remarks  |
|------------------------------|------------------------------|-------------------|--|--|
| Astrophysical Chemistry      | Professor                    | WATANABE Naoki    | Interstellar molecules, ice dust, amorphous solid water, surface reactions, nanoparticle, crystallization, nucleation, electron microscopy, microgravity |  |
|                              | Professor                    | KIMURA Yuki       |  |  |
|                              | Associate Professor          | OBA Yasuhiro      |  |  |
|                              | Associate Professor          | YAMAZAKI Tomoya   |  |  |
|                              | Assistant Professor          | HIDAKA Hiroshi    |  |  |
| Phase Transition Dynamics    | Professor                    | SAZAKI Gen        | Phase transition dynamics, crystal growth, ice, snow, interferometry, advanced optical microscopy, atomic force microscopy                               |  |
|                              | Assistant Professor          | NAGASHIMA Ken     |  |  |
|                              | Assistant Professor          | MURATA Ken-ichiro |  |  |
| Information Media Science    | Professor                    | FUSE Izumi        | Learning science, learning platforms, open education   |  |
|                              | Assistant Professor          | YAMAMOTO Yuichi   |  |  |
| Spacecraft Observation Group | Visiting Professor           | SATO Takehiko     | Planetary exploration, infrared astronomy from space, radio astronomy from space   | Inter-field Cooperation with Japan Aerospace Exploration Agency (JAXA) in the field of spacecraft observation. |
|                              | Visiting Professor           | FUJIMOTO Ryuichi  |  |  |
|                              | Visiting Associate Professor | YAMAMURA Issei    |  |  |

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Department of Natural History Sciences, Graduate School of Science

As of April 1, 2026

| Research Fields              | Research Groups & Laboratories    | Supervisors         |                    | Keywords   | Remarks |
|------------------------------|-----------------------------------|---------------------|--------------------|--|---------|
| Earth and Planetary Dynamics | Meteorology                       | Professor           | INATSU Masaru      | Meteorology, dynamics and forecast, cyclones and fronts, observation, theory and numerical modelling, development of numerical model, meso-scale phenomena, cloud, rain, snow, aerosol, lightning, material transport, and meteorological application. |         |
|                              |                                   | Associate Professor | WADA Yuuki         |  |         |
|                              | Physical Oceanography and Climate | Professor           | MINOBE Shoshiro    | Physical oceanography, meteorology, air-sea interactions, climate variability & change, oceans' role in climate, multidisciplinary challenges, numerical modelling, data analysis  |         |
|                              |                                   | Associate Professor | SASAKI Yoshinori   |  |         |
|                              | Space Geodesy                     | Professor           | FURUYA Masato      | Space geodesy, GNSS, GPS, INSAR, GRACE, gravity, Earth rotation, atmospheric sensing, crustal deformation, glaciology, planetary geodesy, ionosphere   |         |
|                              |                                   | Associate Professor | TAKADA Youichiro   |  |         |
|                              | Seismology                        | Professor           | YOSHIZAWA Kazunori | Seismic wave propagation, Earth structure, seismic tomography, waveform analysis, seismic source process, microfracture, heterogeneity and anisotropy  |         |
|                              |                                   | Associate Professor | NAOI Makoto        |  |         |

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| Research Fields                    | Research Groups & Laboratories | Supervisors         |                      | Keywords  | Remarks                    |
|------------------------------------|--------------------------------|---------------------|----------------------|---|----------------------------|
| Earth and Planetary System Science | Petrology and Volcanology      | Professor           | KURITANI Takeshi     | Field geology, petrography, igneous petrology, metamorphic petrology, experimental volcanology, geochemistry, volcanoes, ophiolites, plutons, metamorphic belts, crustal evolution, mantle melting, magmatic evolution, magma plumbing system, volcanic eruption, hydrothermal circulation, material circulation, crystal growth                    | Hokkaido University Museum |
|                                    |                                | Associate Professor | YOSHIMURA Shumpei    |   |                            |
|                                    |                                | Assistant Professor | PYTHON Marie         |   |                            |
|                                    |                                | Assistant Professor | MUJIN Mayumi         |   |                            |
|                                    |                                | Assistant Professor | KITANO Ippei         |   |                            |
|                                    | Geochemistry                   | Associate Professor | KAWASAKI Noriyuki    | Geochemistry, cosmochemistry, planetary chemistry, galaxies, stars, planetary systems, protoplanetary disks, planets, meteorites, Earth, core, mantle, crust, oceans, atmosphere, life, magma, geofluids, mass spectrometry, spectroscopy, microscopy, dust formation, crystal growth, high pressure, solar system evolution, planetary exploration |                            |
|                                    |                                | Assistant Professor | BAJO Ken-ichi        |   |                            |
|                                    | Earth Materials Science        | Professor           | NAGAI Takaya         | Mineralogy, crystallography, crystal growth, physics and chemistry of minerals  |                            |
|                                    |                                | Associate Professor | KAWANO Jun           |   |                            |
|                                    |                                | Associate Professor | SHINOZAKI Ayako      |   |                            |
|                                    | Paleobiology                   | Professor           | YAMADA Toshihiro     | Paleontology, Paleobotany, stratigraphy, vertebrate evolution, dinosaurs, reptiles, birds, phylogenetic relationships, functional morphology, comparative anatomy, embryology, evolution of Mesozoic marine biota, paleobiogeographic responses, global environmental change, origin of modern marine biota   | Hokkaido University Museum |
|                                    |                                | Professor           | KOBAYASHI Yoshitsugu |   |                            |
|                                    |                                | Associate Professor | IBA Yasuhiro         |   |                            |

| Research Fields                    | Research Groups & Laboratories | Supervisors         |                   | Keywords   | Remarks |
|------------------------------------|--------------------------------|---------------------|-------------------|--|---------|
| Earth and Planetary System Science | Earth Biosphere Geoscience     | Professor           | SAWADA Ken        | Paleoenvironmental reconstruction, Organic sedimentology, Molecular paleobiology, Macromolecular biogeochemistry, biomarker paleoclimatology, Organic Geochemistry, paleobiochemistry, biomarker proxies for paleodiversity and paleoenvironments, molecular fossils, plant evolution, paleovegetation reconstruction, High-resolution reconstruction of palaeoenvironments, biogeochemical cycles in reef ecosystems on the geological time scale |         |
|                                    |                                | Associate Professor | WATANABE Tsuyoshi |  |         |
|                                    |                                | Assistant Professor | IKEDA Masashi     |  |         |

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| Research Fields | Research Groups & Laboratories | Supervisors                   |                  | Keywords  | Remarks                            |
|-----------------|--------------------------------|-------------------------------|------------------|---|------------------------------------|
| Biodiversity    | Biodiversity                   | Professor                     | KAJIHARA Hiroshi | Biodiversity I:<br>Marine invertebrates, Nemertea, taxonomy, phylogeny, morphology              |                                    |
|                 |                                | Lecturer                      | KAKUI Keiichi    | Biodiversity I:<br>Marine invertebrates, Crustacea, Tanaidacea, taxonomy, phylogeny, morphology |                                    |
|                 |                                | Specially Appointed Professor | KOGAME Kazuhiro  | Biodiversity II:<br>Taxonomy, phylogeny, evolution, seaweeds,                                   | Scheduled to retire in March, 2028 |
|                 |                                | Lecturer                      | NAKADA Takashi   | Biodiversity II:<br>Taxonomy, phylogeny, evolution, microalgae, Chlorophyceae                   |                                    |
|                 |                                | Assistant Professor           | Kevin Wakeman    | Biodiversity II:<br>Biodiversity, evolution, protists, Apicomplexa, dinoflagellates             |                                    |
|                 |                                | Professor                     | TAKAGI Masaoki   | Biodiversity III:<br>Ecology, evolution, island, bird   |                                    |
|                 |                                | Assistant Professor           | SAWADA Akira     | Biodiversity III:<br>Ecology, evolution, island, bird, population                               |                                    |
|                 |                                | Associate Professor           | ABE Tsuyoshi     | Biodiversity II:<br>Seaweeds, taxonomy, phylogeny, chemotaxonomy                                | Hokkaido University Museum         |
|                 |                                | Associate Professor           | KATOH Toru       | Biodiversity I:<br>Evolution, phylogeny, populations, insects                                   |                                    |

※There is a possibility that the members of supervisors change. Please get the latest information from the website of the Graduate School of Science.

| Research Fields       | Research Groups & Laboratories          | Supervisors         |                   | Keywords   | Remarks  |
|-----------------------|---|---------------------|-------------------|--|--|
| Science Communication | Communication of Science and Technology | Associate Professor | KAWAMOTO Shishin  | science and technology studies, communication in science and technology, transdisciplinary, dual-use   |  |
|                       | Philosophy of Science and Technology    | Professor           | MATSUOU Masahiro  | Philosophy of science, ethics of science and technology, philosophy of risk, statistical inference of cause  |  |
|                       | Educational Design                      | Associate Professor | IWAMA Norikazu    | Psychological Statistics, Educational Measurement, Test Theory, Educational Technology, Instructional Design, Self-regulated Learning                                      | Institute for Academic Innovation                  |
|                       |   | Associate Professor | OKUMOTO Motoko    |  | Institute for Academic Innovation                  |
|                       | Communication Media                     | Professor           | SHIGETA Katsusuke | Communication Media, Educational Technology, Information and Communication Technology, Learning Effectiveness, e-learning, Hybrid Learning, Educational Practice Research. | Information Initiative Center, Hokkaido University |
|                       |   | Associate Professor | SUGIURA Mayumi    |  | Institute for Academic Innovation                  |

※There is a possibility that the members of supervisors change. Please get the latest information from the website of the Graduate School of Science.

| Research Fields            | Research Groups & Laboratories      | Supervisors         |                   | Keywords  | Remarks |
|----------------------------|-------------------------------------|---------------------|-------------------|---|---------|
| Seismology and Volcanology | Seismological Observation           | Professor           | OHZONO Mako       | Earthquake geophysical observation, seismographs, GNSS, gravity, subduction great earthquakes, inland earthquakes, statistical seismology, land and ocean bottom crustal deformation, regional tectonics in northeastern Asia, geothermal exploration, earthquake disaster mitigation |         |
|                            |                                     | Professor           | TAKAHASHI Hiroaki |   |         |
|                            |                                     | Associate Professor | KATSUMATA Kei     |   |         |
|                            | Ocean Bottom Seismology and Tsunami | Associate Professor | MURAI Yoshio      | Subsurface structure at subduction zones, elastic wave propagation earthquake source processes, generation and propagation of tsunamis, international field science, disaster mitigation  |         |
|                            |                                     | Associate Professor | YAMANAKA Yusuke   |   |         |
|                            |                                     | Assistant Professor | FUKUSHIMA Shun    |   |         |
|                            | Volcano Physics                     | Professor           | AOYAMA Hiroshi    | Volcanology, eruption prediction, transport processes, volcano seismology, volcano acoustics, volcano hydrology, crustal deformation, space geodesy, geo-electromagnetism, spectroscopy of volcanic plume, volcano monitoring system  |         |
|                            |                                     | Assistant Professor | TANAKA Ryo        |   |         |
|                            |                                     | Assistant Professor | MURAMATSU Dan     |   |         |
|                            | Subsurface Structure                | Professor           | HASHIMOTO Takeshi | Subsurface exploration in seismogenic zones and active volcanoes, tectono-electromagnetism, magnetotellurics, geomagnetic field observation, conductivity anomaly   |         |

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