

2023 Enrollment

The Global Education Program  
for AgriScience Frontiers  
Doctoral Course  
Application Guidelines

Graduate School of Agriculture, Hokkaido University

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Application Form for the Global Education Program/ 入学申請書

Certificate of Health/ 健康診断書

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# PREFACE

Hokkaido University was founded in 1876 as Sapporo Agricultural College, the first higher educational institution for agricultural sciences in Japan. The university consists of twelve undergraduate faculties, twenty-two graduate schools, and twenty-five research institutes and centers, with 4,000 faculty members, and administrative and technical members, 11,500 undergraduate students, 6,600 graduate students as well as 2,000 international students from 99 countries (all approximate numbers for personnel and students).

Of all the Faculties and Graduate Schools, the School of Agriculture is the oldest in the university's history of more than 140 years. It was first established to meet the needs to open the island of Hokkaido as a new frontier. Since then, it has been the leading university in agricultural sciences and has produced many eminent persons.

Today, the School of Agriculture at Hokkaido University is one of the most prestigious Agricultural Faculties among the National University Corporations\* in Japan, attracting more than 70% of its students from areas other than Hokkaido. The same applies to the Graduate School of Agriculture that is staffed with highly qualified professors and staffs. In 2000, it has transformed itself into a “Graduate Research University” that places greater emphasis than ever upon graduate education and research activities, and that aims to maintain the highest standards as one of the top universities in Japan in the twenty-first century.

The Global Education Program for AgriScience Frontiers started in April 2018 as an evolved form of the previous Special Postgraduate Program in Special Postgraduate Program in Biosphere Sustainability Science. This program provides a unique combination of such study fields as food, health and environment to meet urgent needs in research and development of preservation and sustainable utilization of our limited resources on earth to ensure our quality of life in the future. Due to the nature of the program, the language to be used in all educational and research activities will be English. We invite you to take advantages of this opportunity.

September 1, 2022

NISHIMURA Takanori, Ph. D.  
Dean and Professor  
Graduate School of Agriculture

SHINANO Takuro, Ph. D.  
Head and Professor  
The Global Education Program  
for AgriScience Frontiers

\*All the national universities in Japan have been reorganized under the system of National University Corporation since April 2004.

# **GUIDELINES FOR APPLICATION (Doctoral Course)**

## **Feature of the Doctoral Course**

- (1) All the lectures, research work, and thesis work will be conducted in English. Students will be expected to learn Japanese language gradually during their stay.
- (2) Students will be expected to write a thesis in English based on research conducted during the course and submit this thesis to examiners in the Global Education Program for AgriScience Frontiers, Graduate School of Agriculture, Hokkaido University for evaluation. A student will be awarded a Ph. D., if he/she has completed the course with satisfactory academic performance. A thesis has to be submitted to the examiners with their approval and an oral defense is also required.
- (3) Students are required to complete this program for Doctoral degree within three years.

## **1. Study Areas and Number of International Students for Admission**

### **1-1. Study area**

- (1) Applicants for any field related to the subjects for the program (refer to p. 13-21) will be accepted.
- (2) Applicants must consult with the expected academic advisors before submitting your application. The application will not be considered, if the application is not approved by the expected academic advisor.

### **1-2. Number of students to be admitted**

Several students will be selected for admission. This program will recommend 4 students as candidates for the Scholarship by the Japanese Government (MONBUKAGAKUSHO) – hereinafter “Scholarship”.

Apart from the above 4 Scholarship students, students supported by other Japanese Government Scholarship (Embassy Recommendation etc.) will be selected – hereinafter “Embassy Recommendation Scholarship”.

Additional students will be selected from those who are on other sort of financial supports – hereinafter “Personal Funds”.

## **2. Qualification Requirements**

### **2-1. Nationality:**

For “Scholarship” applicants: Non-Japanese citizen residing outside of Japan of countries to which the Scholarship by MONBUKAGAKUSHO are offered, are entitled to apply. Students studying in the Master’s Course of the Global Education Program for AgriScience Frontiers are included.

For “Embassy Recommendation Scholarship” applicants: The same as “Scholarship” applicants.

For “Personal funds” applicants: Any nationality except Japanese is entitled to apply.

### **2-2. Age Limit:**

For “Scholarship” applicants: Under 35 years old on April 1, 2023, i.e., those who were born after April 2, 1988.

For “Embassy Recommendation Scholarship” applicants: The same as “Scholarship” applicants.

For “Personal Funds” applicants: No restriction.

### **2-3. Academic Background:**

#### **For “Scholarship” applicants :**

- (1) Individuals who have been awarded or expect to be awarded a master’s degree or professional degree in September 2023.

- (2) Individuals who have been awarded or expect to be awarded a degree equivalent to a master's degree or a professional degree from a foreign university by September 2023.
- (3) Individuals who have been awarded or expect to be awarded a degree equivalent to a master's degree or professional degree by taking correspondence courses in Japan offered by a foreign school by September 2023.
- (4) Individuals who have completed a foreign university's graduate school coursework at an educational institution in Japan and have been awarded or expect to be awarded a degree equivalent to a master's degree or professional degree by September 2023. The institution needs to be positioned within the school education system of that foreign country as an educational body with a graduate school course and is required to be designated by the Japanese Minister of Education, Culture, Sports, Science and Technology.
- (5) Individuals who have been awarded or expect to be awarded a degree equivalent to a master's degree by September 2023 from a United Nations University as prescribed in Article 1(2) of the Act on Special Measures Incidental of Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University (Act No.72 of 1976), which was established under the December 11, 1972 resolution of the General assembly of the United Nations.
- (6) Individuals who have completed their formal education by taking a correspondence course through a non-Japanese university, an educational institution which received the designation by (5), or the United Nations University, who have passed an examination or a screening equivalent to the regulations by Article 16.2 in Standards for the Establishment of Graduate Schools, and who are recognized to have an academic ability equivalent to Master's degree holders by the Graduate School, or who will obtain it by September 2023.  
(hereinafter referred to as "individuals from a foreign university who have been passed a Qualifying Examination").
- (7) Individuals designated by the minister of education, culture, sports, science and technology (1989 Notice No. 118, Ministry of Education, Science and Culture; 2001 Notice No. 55, Ministry of Education, Culture, Sports, Science and Technology).
  - (a) Those who have graduated from a university, have worked for two years or longer at a university or research institution, and have earned a master's degree or are recognized by the Hokkaido University Graduate School of Agriculture as possessing equivalent or greater academic capabilities based on its research findings.
  - (b) Those who have completed 16 years of school education in a foreign country or 16 years of school education of a foreign country by taking a correspondence course in Japan offered by a school of that foreign country, have worked for two years or longer at a university or research institution, and have earned a master's degree or are recognized by the Hokkaido University Graduate School of Agriculture as possessing equivalent or greater academic capabilities based on its research findings
- (8) Individuals who are recognized by this graduate school as possessing the equivalent or greater academic skills as that of a person who has a master's degree or professional degree based on an individual admission qualification screening and who will be 24 years of age as of September 30, 2023\*.

\* This qualification applies to those who do not possess the qualifications of a university graduate, such as graduates of a national college of technology, junior college, specialized training college, or other types of schools, as well as graduates of Japanese branch schools of foreign universities or foreign schools.

### **For "Embassy Recommendation Scholarship" and "Personal Funds" applicants:**

#### *April Entrant*

- (1) Individuals who have been awarded or expect to be awarded a master's degree or professional degree in March 2023.

- (2) Individuals who have been awarded or expect to be awarded a degree equivalent to a master's degree or a professional degree from a foreign university by March 2023.
- (3) Individuals who have been awarded or expect to be awarded a degree equivalent to a master's degree or professional degree by taking correspondence courses in Japan offered by a foreign school by March 2023.
- (4) Individuals who have completed a foreign university's graduate school coursework at an educational institution in Japan and have been awarded or expect to be awarded a degree equivalent to a master's degree or professional degree by March 2023. The institution needs to be positioned within the school education system of that foreign country as an educational body with a graduate school course and is required to be designated by the Japanese Minister of Education, Culture, Sports, Science and Technology.
- (5) Individuals who have been awarded or expect to be awarded a degree equivalent to a master's degree by March 2023 from a United Nations University as prescribed in Article 1(2) of the Act on Special Measures Incidental of Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University (Act No.72 of 1976), which was established under the December 11, 1972 resolution of the General assembly of the United Nations.
- (6) Individuals who have completed their formal education by taking a correspondence course through a non-Japanese university, an educational institution which received the designation by (5), or the United Nations University, who have passed an examination or a screening equivalent to the regulations by Article 16.2 in Standards for the Establishment of Graduate Schools, and who are recognized to have an academic ability equivalent to Master's degree holders by the Graduate School, or who will obtain it by March 2023.  
(hereinafter referred to as "individuals from a foreign university who have been passed a Qualifying Examination").
- (7) Individuals designated by the minister of education, culture, sports, science and technology (1989 Notice No. 118, Ministry of Education, Science and Culture; 2001 Notice No. 55, Ministry of Education, Culture, Sports, Science and Technology).
  - (a) Those who have graduated from a university, have worked for two years or longer at a university or research institution, and have earned a master's degree or are recognized by the Hokkaido University Graduate School of Agriculture as possessing equivalent or greater academic capabilities based on its research findings.
  - (b) Those who have completed 16 years of school education in a foreign country or 16 years of school education of a foreign country by taking a correspondence course in Japan offered by a school of that foreign country, have worked for two years or longer at a university or research institution, and have earned a master's degree or are recognized by the Hokkaido University Graduate School of Agriculture as possessing equivalent or greater academic capabilities based on its research findings
- (8) Individuals who are recognized by this graduate school as possessing the equivalent or greater academic skills as that of a person who has a master's degree or professional degree based on an individual admission qualification screening and who will be 24 years of age as of March 31, 2023\*.

\* This qualification applies to those who do not possess the qualifications of a university graduate, such as graduates of a national college of technology, junior college, specialized training college, or other types of schools, as well as graduates of Japanese branch schools of foreign universities or foreign schools.

*October Entrant:* the same as "April Entrant" applicants except that March 31, 2023 should read September 30, 2023.

2-4. Grades: Applicants are required to have obtained a GPA of 2.30 (3.00 as full score) during the applicant's most recently graduated/expected to graduate program. Applicants are requested to follow advice from your expected academic advisors.

2-5. Health: Those who are certified as both physically and mentally healthy by a qualified and recognized physician.

2-6. Language level/ability: Applicants must be fluent in English. Those who satisfy at least one of the following conditions of English proficiency.

- (1) Those who acquire B2 or higher level of CEFR or the equivalent grade/score on language test of the same level taken within 2 years.
- (2) Those who have completed course of study, mainly in English, to fulfil the curriculum required to be admitted to universities in Japan.

2-7. Remarks:

- (1) Military personnel and civilian employees of armed forces are not eligible for this course if they remain on active duty.
- (2) Individuals applying based on qualification (6) or (7) or (8) are required to submit other necessary documents, so be sure to contact at least 3 months before the listed deadlines.

2-8. Inquiry

If you have any questions about this program, please contact the Administrative Office of Agriculture and Global Food Science by email ([kyomu@agr.hokudai.ac.jp](mailto:kyomu@agr.hokudai.ac.jp)). In your email please include the name of your expected academic advisors and your desired research field.

### 3. Privacy Policy

Names, addresses, and other personal information provided to the university on application documents will be used solely for enrollee selection, the announcement of exam results, and admission procedures. The personal information of those who are accepted for admission shall also be used for administrative purposes after enrollment (student registration, academic counseling, etc.), student support services (health management, scholarship applications, etc.), and administrative tasks related to tuition, etc.

Only the names and addresses of applicants will be used to facilitate communications from the Hokkaido University Frontier Foundation and an organization associated with the university: the Hokkaido University Athletic Union.

### 4. Application: for “Scholarship” students

4-1. Important notice for application

- (1) Applicants should contact and discuss well with your expected academic advisor in advance. Applications without such pre-discussion are not accepted.
- (2) The following documents must be submitted to the expected academic advisor, before the deadline of December 31, 2022 (all of these documents MUST ARRIVE by this deadline).
- (3) After the application, any cancellation is NOT permitted.
- (4) The procedure is illustrated in p.12.
- (5) Those who are recipients of Scholarship or fellowship from any other sources are not eligible for Scholarship.
- (6) The payment of Scholarship to an enrolled student may be terminated if any of the information supplied with an application is later found to be false. Admission can be canceled any time after enrollment.

- (7) Non-eligibility: Those who meet any one of the following conditions are ineligible. If identified ineligible after being selected as a scholarship student, he/she must withdraw from the scholarship.
- ① Those who are military personnel or military civilian employees at the time of their arrival in Japan or during the period of the payment of the scholarship.
  - ② Those who cannot arrive in Japan by the date of the period specified by MEXT or the accepting university.
  - ③ Those who are previous grantees of Japanese Government (MEXT) scholarship programs (including those who withdraw from the scholarship program after the arrival in Japan). This does not apply to: those who have educational or work experience exceeding more than three years from the following month of the period of the previous scholarship to the estimated first month of the payment of this scholarship; and the past grantees of Japanese Studies Students program who have graduated or are going to graduate from universities in their home countries, Japan-Korea Joint Government Scholarship Program for the Students in Science and Engineering Departments and Young Leaders' Program. The MEXT Honors Scholarship is not included in the Japanese Government (MEXT) Scholarship Programs.
  - ④ Those who are currently also applying to another program under the Japanese Government (MEXT) Scholarship system.
  - ⑤ Those who are already enrolled in a Japanese university or other institution with a residence status of "Student," or who are going to be enrolled, or plan to enroll, in a Japanese university or other institution as a privately-financed international student from the time of application to the MEXT scholarship program in the applicant's country until the commencement of the period for payment of the MEXT scholarship. However, this stipulation does not apply to privately-financed international students who, even though they are enrolled, or are planning to enroll, in a Japanese university or other institution, verifiably complete their studies before the start of the scholarship payment period, return to their home country at the time of the scholarship application, and newly acquire the "Student" residence status and come to Japan.
  - ⑥ Those who are planning to receive scholarship money from an organization other than MEXT (including a government organization of the applicant's country) on top of the scholarship money provided by MEXT after the start of the scholarship payment period.
  - ⑦ Those who are expected to graduate at the time of application and cannot satisfy the condition of academic background by the deadline given.
  - ⑧ Holders of dual nationality at the time of application who cannot verify that they will give up Japanese nationality by the time of the arrival in Japan.
  - ⑨ Those who plan to, from the time of application for the MEXT scholarship program, engage in long-term research (such as fieldwork or internship) outside Japan or plan to take a long-term leave of absence from the university.
  - ⑩ Those who have completed a doctoral course and have no intention to obtain a degree.

#### 4-2. Evaluation of Applicants

The applicants will be evaluated based on his/her application documents and the e-mail interview (or interview).

#### 4-3. What to submit

All of the following documents must be sent by registered airmail.

- (1) A completed application form for the Global Education Program for AgriScience Frontiers (use the attached format, print on both sides, paste your photograph as specified.) You have to be instructed how to write the study plan section (6. i & ii) from your expected academic advisor.
- (2) A completed application form for the Japanese Government Scholarship (use the format provided by MONBUKAGAKUSHO, print on both sides, paste your photograph as specified.) The e-mail interviews (nine times or more) will be scheduled by your expected academic advisor.



- (3) Medical certificate issued by a public hospital within the last six months (use the attached format.)
- (4) Photocopies of certificate of Bachelor's degree and Master's degree or certificates of graduation. (If the applicant has not yet graduated the Master's Course, a certified letter from your university stating the expected finishing date of the Master's Course.)
- (5) Official academic transcript of all undergraduate course work and Master's Course work from the university  
 \*Note: Applicants are required to have obtained a GPA of 2.30 (3.00 as full score) during the applicant's most recently graduated/expected to graduate program. Official academic transcripts should include the information about when you acquired the credits (at least year/semester).
- (6) A document describing the score of GPA or equivalent (place of the candidate in the course, classification by A/B/C etc.) at the recent degree program to show that the candidate is excellent.
- (7) A certificate of English proficiency: Submit an objective evidence of eligibility of language proficiency described "2-6 Language level/ability" (incl. TOEFL/IELTS certificates).
- (8) A certificate of citizenship or proof of residence in the applicant's home country. A photocopy of your passport is preferable.
- (9) A letter of recommendation to the President of Hokkaido University, Prof. Dr. HOUKIN Kiyohiro by the Dean or Head of the applicant's most recently graduated/expected to graduate program
- (10) Summary of Bachelor's thesis and Master's thesis (each one page of A4 or letter size format)
- (11) Entrance examination fee: exempted

#### REMARKS:

- (1) The above documents should be type-written in English (use word processing software as far as you can), prepared in uniform size based on the A4 or letter size format, and printed on both sides.
- (2) Applications will not be accepted if any of the above documents are incomplete, incorrect or lacking supporting evidence. They will not be considered if they arrive after the deadline.
- (3) All documents once submitted will not be returned.
- (4) Applicants who are not awarded a master's degree by the application deadline must submit a photocopy of the certificate of the degree once they receive it.

#### 4-4. Notification of the results of selection

The successful applicants will be approved as the candidates at the professor meeting of this program and the final decision for admission will be made at the faculty meeting of the Graduate School of Agriculture, Hokkaido University. The final results for granting the Scholarship made from MONBUKAGAKUSHO will be notified to the applicants around the beginning of August 2023. Successful applicants will be enrolled as full-time graduate students.

#### 4-5. Supplementary explanation for the Scholarship

- (1) Time of arrival: A successful applicant must arrive in Japan by the end of September.
- (2) Fees: Admission fee and tuition fee are exempted.
- (3) Scholarship payments: Scholarship will not be paid if a student is long absent from the Graduate School of Agriculture or if his/her studies are not satisfactory.
- (4) Transportation to Japan: MONBUKAGAKUSHO shall provide an economy class air ticket from the international airport nearest to your residence in the country you have nationality to the designated international airport in Japan. [Note: Recipient should bare the cost of domestic travels to the nearest international airport at home and from

the arriving international airport to Hokkaido University. Recipient should also bare the cost of airport tax and connecting local flights in Japan and travel insurance for his/her travels to Japan.]

- (5) Personal accident insurance for students pursuing education and research: This insurance compensates for physical casualties from which students suffer in their intra-curricular activities, both on and off campus, and extra-curricular activities on campus. All the students must be insured before starting research activities. The premium is 3,620 Yen for three years (the premium may be changed without prior notification).

## **5. Application: for “Research Students” of the Research Faculty of Agriculture in the category of “Embassy Recommendation Scholarship” etc.**

### **5-1. What to submit**

All of the following documents must be submitted to the Administrative Office of Agriculture and Global Food Science. The documents (1) should be type-written in English (use word processing software as far as you can), prepared in uniform size based on the A4 or letter size format, and printed on both sides.

- (1) A completed application form for the Global Education Program for AgriScience Frontiers (use the attached format, print on both sides, paste your photograph as specified). You have to be instructed how to write the study plan section (6. i & ii) from your expected academic advisor. Interview (three times or more) about your research theme and plan will be conducted.
- (2) Medical certificate issued by a public hospital within the last six months (use the attached format.)
- (3) Entrance examination fee: exempted

### **5-2. Remarks:**

Please refer to Table 1 in p.11 for the important dates (deadline of application, notification time of the results of selection, arrival time to Japan). The process for the evaluation of the applicant (see 4-2), fees (4-5 (2)) and the personal accident insurance (see 4-5 (5)) are the same as for the “Scholarship” applicants.

## **6. Application: for “Personal Funds” students**

### **6-1. Important notice for application**

- (1) Applicants should contact, and discuss well with your expected academic advisor, in advance. Applications without such pre-discussion are not accepted.
- (2) The following documents must be submitted to the expected academic advisor, before the deadline listed in Table 1 (all of these documents MUST ARRIVE by this deadline).
- (3) The procedure is illustrated in p.12.
- (4) Admission can be canceled any time after enrollment if any of the information supplied with an application is later found to be false.

### **6-2. Evaluation of Applicants**

The process for the evaluation of the applicant is the same as for the “Scholarship” applicants (see 4-2).

### **6-3. What to submit**

All of the following documents must be sent by registered airmail.

- (1) A completed application form for the Global Education Program for AgriScience Frontiers (use the attached format, print on both sides, paste your photograph as specified). You have to be instructed how to write the study plan section (6. i & ii) from your expected academic advisor. The e-mail interviews (six times or more) will be scheduled by your

expected academic advisor. If possible, the e-mail interviews can be replaced with interviews of three times. In case of a research student interviews (three times or more) will be conducted.

- (2) Medical certificate issued by a public hospital within the last six months (use the attached format.)
- (3) Photocopies of certificate of Bachelor's degree and Master's degree or certificates of graduation (If the applicant has not yet graduated the Master's Course, a certified letter from your university stating the expected finishing date of the Master's Course).

\*Note: Those who graduated or will graduate from a university in China must submit the following documents in addition to a Certificate of (Expected) Graduation.

Graduates:

- a. Online Verification Report of Higher Education Qualification Certificate (教育部学历证书电子注册备案表)
- b. Graduation Diploma (毕业证书) and Degree Diploma (学位证书)

Expected Graduates:

- a. Online Verification Report of Student Record (教育部学籍在线验证报告)

Obtain documents "a" above by requesting it at "中国高等教育学历证书查询":

<http://www.chsi.com.cn/xlcx/bgys.jsp>.

Also be sure that there are 15 or more days left until the expiration date of the online verification at the time of its submission.

- (4) Official academic transcript of all undergraduate course work and Master's Course work from the university  
\*Note: Applicants are required to have obtained a GPA of 2.30 (3.00 as full score) during the applicant's most recently graduated/ expected to graduate program. Official academic transcripts should include the information about when you acquired the credits (at least year/semester).
- (5) A certificate of English proficiency: Submit an objective evidence of eligibility of language proficiency described "2-6 Language level/ability" (incl. TOEFL/IELTS certificates).
- (6) A certificate of citizenship or proof of residence in the applicant's home country: A photocopy of your passport is preferable.
- (7) A letter of recommendation to the President of Hokkaido University, Prof. Dr. HOUKIN Kiyohiro by the Dean or Head of the applicant's most recently graduated/expected to graduate program
- (8) Summary of Bachelor's thesis and Master's thesis (each one page of A4 or letter size format)
- (9) Entrance examination fee of 30,000 Japanese Yen\* (The method of payment should be discussed with your expected academic advisor.)  
\*Once application materials have been accepted, the examination fee will not be refunded for any reason.  
\*Those who will enter into Doctoral Course from Master's Course of Hokkaido University are not required to pay the entrance examination fee.  
\*China Scholarship Council (CSC) supported students, Hokkaido University President's Fellowship international students, and Hokkaido University Special Grant Program international students are exempt from the examination fee.

#### REMARKS:

- (1) The above documents should be type-written in English (use word processing software as far as you can), prepared in uniform size based on the A4 or letter size format, and printed on both sides.

- (2) Applications will not be accepted if any of the above documents are incomplete, incorrect or lacking supporting evidence. They will not be considered if they arrive after the deadline.
- (3) All documents once submitted will not be returned.
- (4) Applicants who are not awarded a bachelor's degree by the application deadline must submit a photocopy of the certificate of the degree once they receive it.

#### 6-4. Notification of results of selection

The final decision for admission will be made at the faculty meeting of the Graduate School of Agriculture, Hokkaido University. Applicants will be notified of the results of selection on the dates indicated in the Table 1. Successful applicants will be enrolled as full-time graduate students.

#### 6-5. Supplementary explanations for the Personal Funds students

- (1) Time of Arrival: Applicants may choose one entrance date, out of April or October, 2023. According to the entrance date, deadline date for the application is separately fixed. Applicants must refer to Table 1 for those important dates of application.
- (2) Admission fee: 282,000 Japanese Yen\* (as of the year 2022).
- (3) Tuition fee: 267,900 Japanese Yen for each semester (annually 535,800 Japanese Yen)\* (as of the year 2022) Tuition fee may be revised while a student is attending the Graduate School.  
 \*Those who will enter Doctoral Course from Master's Course of Hokkaido University are not required to pay the admission fee.  
 \*China Scholarship Council (CSC) supported students, Hokkaido University President's Fellowship international students, and Hokkaido University Special Grant Program international students are exempt from the admission fee and the tuition fee.
- (4) Personal accident insurance for students pursuing education and research: This insurance compensates for physical casualties from which students suffer in their intra-curricular activities, both on and off campus, and extra-curricular activities on campus. All the students must be insured before starting research activities. The premium is 3,620 Yen for three years. (The premium may be changed without prior notification.)

### **7. Application: for Master's Course students of the Graduate School of Agriculture, Hokkaido University**

#### 7-1. What to submit

All of the following documents must be submitted to the Administrative Office of Agriculture and Global Food Science. The documents (1) should be type-written in English (use word processing software as far as you can), prepared in uniform size based on the A4 or letter size format, and printed on both sides.

- (1) A completed application form for the Global Education Program for AgriScience Frontiers (use the attached format, print on both sides, paste your photograph as specified). You have to be instructed how to write the study plan section (6. i & ii) from your expected academic advisor. However, sections 6-i) and 6-ii) for the "Background of your study" and "Study plan in Japan in detail", respectively, of the application form can be replaced with the "Study plan or Progress of your study" in the document submitted to MONBUKAGAKUSHO for the extension of your Scholarship (except "Personal Funds" students) Interviews (three times or more) will be conducted.
- (2) Medical certificate issued by the Health Care Center of Hokkaido University. Applicants must take an annual health check of Hokkaido University in April.
- (3) Entrance examination fee: exempted

7-2. Remarks:

See Table 1 for deadlines of application and notification time of the results of selection. This Section 7 includes “Scholarship” students, “Embassy Recommendation Scholarship” students (April or October entrant), “Personal Funds” students (April or October entrant).

7-3. Supplementary explanations for Master’s Course students of the Graduate School of Agriculture Hokkaido University

- (1) Admission fee: exempted
- (2) Tuition fee: 267,900 Japanese Yen for each semester (annually 535,800 Japanese Yen)  
\*(as of the year 2022) Tuition fee may be revised while a student is attending the Graduate School.  
\*“Scholarship” students, “Embassy Recommendation Scholarship” students, China Scholarship Council (CSC) supported students, Hokkaido University President’s Fellowship international students, and Hokkaido University Special Grant Program international students are exempt from the tuition fee.
- (3) Personal accident insurance for students pursuing education and research: This insurance compensates for physical casualties from which students suffer in their intra-curricular activities, both on and off campus, and extra-curricular activities on campus. All the students must be insured before starting research activities. The premium is 3,620 Yen for three years. (The premium may be changed without prior notification.)

**Table 1. Important dates in the application procedure for “Embassy Recommendation Scholarship”, “Personal Funds” and “Master’s Course students of this Program” categories.**

	April Entrant	October Entrant
Submission of application requirements	Late October, 2022	Late May, 2023
Notification of results of selection	Early December, 2022	Middle of July, 2023
Time of arrival	Late March, 2023	Late September, 2023

## FLOW CHART FOR THE APPLICATION PROCEDURE

Applicant must have communications with his/her expected academic advisor (p.13-21) at Hokkaido University.

Please visit the Program's website  
<https://www.agr.hokudai.ac.jp/spgp/lab/>  
for the contact information.

You can also refer the research field of the Faculty members of the Research Faculty of Agriculture at the website below.

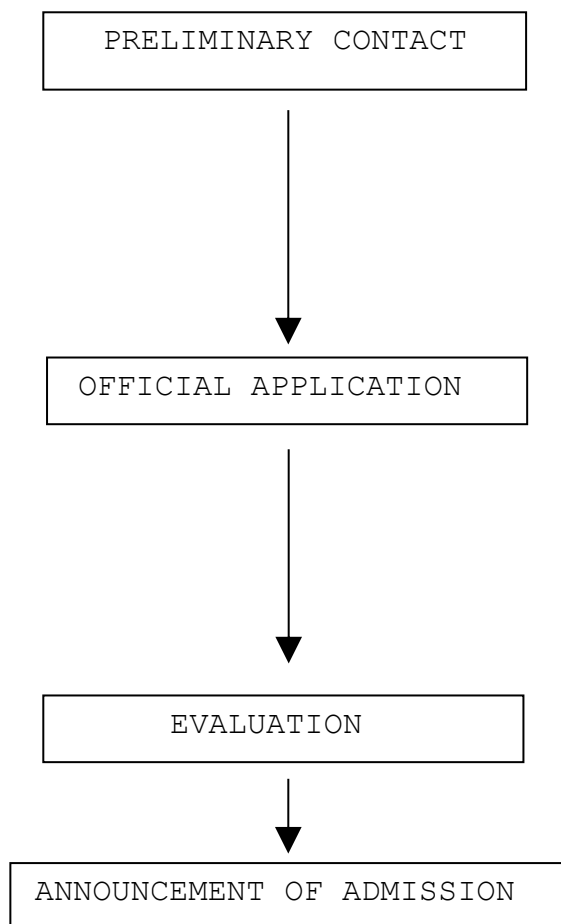
<https://www.agr.hokudai.ac.jp/en>

Applicant sends the official application form and required documents to the expected academic advisor at Hokkaido University.

Applicants must consult with the expected academic advisors before submitting his/her application. The application will not be considered for screening, if it is not endorsed by the expected academic advisor.

Applicant is evaluated based on his/her application documents and the e-mail interview (or interview).

Applicant is informed of the result of selection by Hokkaido University.



**THE GLOBAL EDUCATION PROGRAM  
FOR AGRISCIENCE FRONTIERS  
DIVISIONS, COURSES, RESEARCH FIELDS, STAFFS AND SUBJECTS**

**Division of Agriculture, Frontiers in Production Sciences**

(As of September 1, 2022)

**◎PATHOGEN-PLANT INTERACTIONS**

MASUTA Chikara, Ph. D., Agr., Professor

NAKAHARA Kenji, Ph. D., Agr., Lecturer

Current research activities:

- 1) Molecular biology of plant viruses
- 2) Mechanism of the innate immunity against viruses in plants
- 3) Plant biotechnology using viruses

**◎PLANT BREEDING**

KISHIMA Yuji, Dr., Agr., Professor

KOIDE Yohei, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Rice genetics underlying genome dynamism and phenotypic change
- 2) Developmental genetic study in rice
- 3) Genetic control of plant transposable elements
- 4) Genetics of rice speciation/evolution

**◎PLANT NUTRITION**

SHINANO Takuro, Ph. D., Agr., Professor

WATANABE Toshihiro, Ph. D., Agr., Associate Professor

MARUYAMA Hayato, Ph.D., Agr., Assistant Professor

Current research activities:

- 1) Plant adaptation to adverse soil conditions: deficiencies and toxicities of mineral elements
- 2) Plant-soil interaction in the rhizosphere
- 3) Ionomics in plant and soil

**◎VEHICLE ROBOTICS**

NOGUCHI Noboru, Ph. D., Agr., Professor

OKAMOTO Hiroshi, Ph. D., Agr., Associate Professor

OSPINA Alarcon Ricardo, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Agricultural robot
- 2) ICT for agriculture
- 3) Utilization of aerial and surface vehicles for agriculture
- 4) Biomass energy

## ◎AGRICULTURAL AND FOOD PROCESS ENGINEERING

KOSEKI Shigenobu, Ph. D., Agr., Professor

KOYAMA Kento, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Non-thermal food processing
- 2) Predictive modeling of microbial growth and/or inactivation
- 3) Development of novel technologies for shelf life extension of foods

## ◎AGRICULTURAL BIO-SYSTEM ENGINEERING

IWABUCHI Kazunori, Dr., Agr., Professor

SHIMIZU Naoto, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Bioresource engineering
- 2) Carbonization
- 3) Composting
- 4) Biorefinery

## ◎AGRICULTURAL AND RURAL DEVELOPMENT

KONDO Takumi, Ph. D., Agr., Professor

AIZAKI Hideo, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Research on theories of economic development and agricultural development
- 2) Economic analysis of agricultural technology development and adoption of agricultural innovations
- 3) Research on population and food problem, and overseas development aid

## ◎APPLIED PLANT GENOMICS

Maria Stefanie Dwiyanti, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Genetic analysis of vitamin E content in soybean and wild soybean
- 2) Exploration of genetic variation in wild soybean
- 3) Genome analysis of fern *Stenochlaena palustris*

## ◎CROP SCIENCE

KASHIWAGI Junich, Ph. D., Agr., Lecturer

NAKASHIMA Taiken, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Drought tolerance improvements in tetraploid and hexaploid wheat
- 2) Further yield improvements on Hokkaido rice varieties developed in high latitude and cool environments
- 3) Yield improvement of maize under multiple abiotic stresses in Hokkaido



## **Division of Agriculture, Frontiers in Biosciences**

### **◎APPLIED MOLECULAR ENTOMOLOGY**

ASANO Shin-ichiro, Ph. D., Agr., Professor

SATO Masanao, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Analysis of interaction between insect pathogenic microbes and host insects
- 2) Genetic engineering of insect viruses, virus vectors, and insect cells
- 3) Systems biological approaches in insect microbiology research

### **◎MOLECULAR BIOLOGY**

ONOUCHI Hitoshi, Ph. D., Sci., Professor

YAMASHITA Yui, Ph. D., Life Science, Assistant Professor

Current research activities:

- 1) Regulatory mechanisms of translation and mRNA stability in plants
- 2) Molecular mechanisms of responses to environmental stresses and nutritional deficiencies in plants

### **◎MOLECULAR ENZYMOLOGY**

OKUYAMA Masayuki, Ph. D., Agr., Professor

TAGAMI Takayoshi, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Reaction mechanism, structure and function of carbohydrate-active enzymes
- 2) Modification and design of enzyme by protein engineering
- 3) Enzymatic production of functional polysaccharides, megalosaccharides, oligosaccharides, and glycoconjugates
- 4) Physiological role of carbohydrate-active enzyme

### **◎MOLECULAR AND ECOLOGICAL CHEMISTRY**

HASHIMOTO Makoto, Ph. D., Pharm., Professor

SAKIHAMA Yasuko, Dr., Sci., Lecturer

Current research activities:

- 1) Organic synthesis and developments of chemical tools for chemical biology studies
- 2) Synthesis and application of stable isotope labeled biologically active compounds (drugs, pesticides, etc.)
- 3) Chemical and physiological function analysis of plant pigments in animal and plant cells
- 4) Research on host recognition mechanisms of plants and microorganisms

### **◎NATURAL PRODUCT CHEMISTRY**

MATSUURA Hideyuki, Ph. D., Agr., Professor

KITAOKA Naoki, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Research on biological active compounds regulating the life cycles of plants
- 2) Research on biological active compounds from ethonobotanical medicinal plants

- 3) Research on new plant growth regulators
- 4) Research on phloem borne signals to trigger systemic acquired resistance in plants

## ◎BIOCHEMISTRY

MORI Haruhide, Ph. D., Agr., Professor

SABURI Wataru, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Bio-engineering of carbohydrates and related compounds, including  $\alpha$ -glucans,  $\beta$ -mannosides, and others, for production of functional foods and biomaterials
- 2) Exploring novel enzymatic activities and engineering of the enzymes
- 3) Carbohydrate metabolic pathways and relevant enzymes in living organisms

## ◎MICROBIAL PHYSIOLOGY

FUKIYA Satoru, Ph. D., Agr., Professor

MAEDA Tomoya, Ph. D., Eng., Assistant Professor

Current research activities:

- 1) Functional analysis of bifidobacterial genes involved in the intestinal fitness
- 2) Metabolism of bile acids by intestinal bacteria
- 3) Regulatory mechanism of gut microbiota composition
- 4) Analysis of metabolic regulation in industrially important bacteria
- 5) Analysis of the evolutionary dynamics of bacterial antibiotic resistance

## ◎NUTRITIONAL BIOCHEMISTRY

ISHIZUKA Satoshi, Ph. D., Agr., Professor

HIRA Tohru, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Studies on pre-symptomatic conditions in noncommunicable diseases
- 2) Dietary intervention to prevent and ameliorate symptoms in noncommunicable diseases
- 3) Nutrient sensing in enteroendocrine systems
- 4) Physiological functions of dietary factors

## ◎FOOD BIOCHEMISTRY

SONOYAMA Kei, Ph. D., Agr., Professor

KATO Eisuke, Ph. D., Sci., Associate Professor

OHSAKA Fumina, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Structural and chemical studies on digestive enzyme inhibitors in plants
- 2) Structure and molecular mechanism of antiobesity and antidiabetic substances in plants
- 3) Search for various physiologically active compounds from natural sources
- 4) Physiological studies on the relationship between food, gut microbiota and host

## ◎ANIMAL GENETICS & REPRODUCTION

KAWAHARA Manabu, Ph. D., Agr., Associate Professor

BAI Hanako, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Reproductive physiology of domestic animals
- 2) Molecular and cellular mechanisms of mammalian embryo development and differentiation
- 3) Maternal and fetal recognition of pregnancy in cattle

## ◎ANIMAL PRODUCTION SYSTEM

UEDA Koichiro, Ph. D., Agr., Professor

MITANI Tomohiro, Ph. D., Agr., Associate Professor

OH Seongjin, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Energy and nitrogen flow in animal production system
- 2) Sustainable animal production system based on ecosystem
- 3) Newly applied system of animal production

## ◎ANIMAL FUNCTION & NUTRITION

KOIKE Satoshi, Ph. D., Agr., Professor

SUZUKI Yutaka, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Digestive mechanisms in herbivorous animals
- 2) Exploration and evaluation of new feed and additive candidates
- 3) Functional analysis of gut microbiota and its application within and beyond animal industry
- 4) Physiology in development and function of gastrointestinal tissue

## ◎APPLIED FOOD SCIENCE

KUMURA Haruto, Ph. D., Agr., Professor

Current research activities:

Dairy application of enzymes and metabolites from edible microorganism

## ◎RHIZOSPHERE CONTROL

EZAWA Tatsuhiro, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Molecular mechanism of nutrient acquisition in plant-fungal symbiotic associations
- 2) Role of symbiotic microorganisms in the establishment of pioneer plants in stressed soil
- 3) Ecology of plant symbiotic microorganisms in agricultural and disturbed ecosystems

## ◎ECOCHEMICAL ANALYSIS

FUKUSHI Yukiharu, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Survey of functional substances in unused biomass and bioconversion of agricultural waste to valuable substances
- 2) Development of novel analysis method for the remote place asymmetry discrimination of organic compounds

## ◎MOLECULAR ENVIRONMENTAL MICROBIOLOGY

TAMURA Tomohiro, Ph. D., Med., Professor

KAMAGATA Yoichi, Ph. D., Agr., Professor

YUMOTO Isao, Ph. D., Sci., Professor

MORITA Naoki, Ph. D., Sci., Associate Professor

KITAGAWA Wataru, Ph. D., Sci., Associate Professor

KIKUCHI Yoshitomo, Ph. D., Sci., Associate Professor

KATO Souichiro, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Searching for useful genomic resources for bioprocessing applications
- 2) Development of a microbial biofactory that can be used for multiple purposes
- 3) Cultivation of uncultured microbes and functional analysis of microbial communities
- 4) Elucidation of adaptation mechanisms in extremophiles and their industrial applications
- 5) Construction of high-level expression system in microorganisms using genomic information
- 6) Development of microbial production system of functional lipids using genetic engineering
- 7) Elucidation of microbial "Dormant—Resuscitation cycle" mechanism and function
- 8) Elucidation of molecular mechanisms underpinning insect-microbe gut symbioses
- 9) Investigation of microbial anaerobic energy metabolisms and their industrial applications

## **Division of Agriculture, Frontiers in Environmental Sciences**

### **◎ORNAMENTAL PLANTS AND LANDSCAPE ARCHITECTURE**

AIKOH Tetsuya, Ph. D., Agr., Associate Professor

MATSUSHIMA Hajime, Ph. D., Agr., Lecturer

Current research activities:

- 1) Landscape planning & management in urban and rural areas
- 2) Monitoring and management of recreational visitors in protected areas
- 3) Landscape ecology and green infrastructure in urban and coastal areas

### **◎ANIMAL ECOLOGY**

ARAKI Hitoshi, Dr., Sci., Professor

SAKATA Masayuki, Ph. D, Sci., Assistant Professor

Current research activities:

- 1) Understanding biodiversity in natural ecosystems
- 2) Environmental DNA (eDNA) approaches for monitoring fish and other organisms
- 3) Rapid genetic adaptation of living organisms to environmental changes
- 4) Influence of anthropogenic changes onto animal species in the wild

### **◎SYSTEMATIC ENTOMOLOGY**

ÔHARA Masahiro, Dr., Agr., Professor

YOSHIZAWA Kazunori, Dr., Sci., Associate Professor

MATSUMURA Yoko, Dr., Agr., Assistant Professor

Current research activities:

- 1) Phylogenetic systematics of insects based on morphological and molecular data
- 2) Functional morphology and biomechanics
- 3) Descriptive taxonomy and Museum collection
- 4) Bio-informatics and database

### **◎SOIL SCIENCE**

TOMA Yo, Ph. D., Agr., Professor

NAKAHARA Osamu, Dr., Agr., Associate Professor

KURAMOCHI Kanta, Dr., Agr., Lecturer

Current research activities:

- 1) Biogeochemical nutrient cycling in agro-ecosystems
- 2) Quantitative land evaluation for trade-off relations between crop productivity and environmental capacity
- 3) Greenhouse gas emissions in soil ecosystems

### **◎SILVICULTURE AND FOREST ECOLOGY**

MIYAMOTO Toshizumi, Ph. D., Agr., Lecturer

SAITO Hideyuki, Dr., Agr., Lecturer

Current research activities:

- 1) Ecology of forest dynamics and its application to silvicultural practice
- 2) Functional genomics and physiological ecology of forest trees for conservation and improvement of ecosystem function
- 3) Taxonomy and ecology of fungi involved in nutrient cycling and disease in the forest ecosystem
- 4) Forest restoration and rehabilitation in degraded lands

## ◎WOOD CHEMISTRY

URAKI Yasumitsu, Ph. D., Sci., Professor  
 SHIGETOMI Kengo, Ph. D., Agr., Lecturer  
 SUZUKI Shiori, Ph. D., Eng., Assistant Professor

Current research activities:

- 1) Elucidation of biosynthesis and biodegradation pathways of woody components
- 2) Biorefinery of woody biomass
- 3) Functionalization of Lignin
- 4) Isolation and functionalization of bioactive wood extractives

## ◎ECOSYSTEM MANAGEMENT

NAKAMURA Futoshi, Ph. D., Agr., Professor  
 MORIMOTO Junko, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Assessing the effects of natural and human disturbances on biodiversity
- 2) Investigation on land abandonment and following recovery of ecosystems
- 3) Evaluation of biodiversity and ecosystem services at regional scale
- 4) Restoration of stream, wetland and forest ecosystems

## ◎EARTH SURFACE PROCESSES AND LAND MANAGEMENT

YAMADA Takashi, Dr., Agr., Professor  
 KASAI Mio, Ph. D., Environmental Sciences, Associate Professor  
 KATSURA Shin'ya, Ph. D., Agr., Assistant Professor

Current research activities:

- 1) Landslide susceptibility
- 2) Hillslope hydrology
- 3) Geomorphic connectivity and catchment-scale sediment delivery
- 4) Disaster mitigation against debris flows, volcanic mud flows and pyroclastic flows
- 5) Self-defense technology in the areas prone to landslide disasters

## ◎FOREST POLICY

KAKIZAWA Hiroaki, Dr., Agr., Professor ※  
 SHOJI Yasushi, Dr., Agr., Associate Professor

Current research activities:

- 1) Collaborative forest governance
- 2) Comparative study of institutional framework of forest policy
- 3) Valuing environmental goods and services derived from the forests

## ◎LAND AND WATER MANAGEMENT

YAMAMOTO Tadao, Dr., Agr., Associate Professor

Current research activities:

- 1) Utilisation, management, and conservation of rural resources
- 2) Detection and evaluation of agricultural activity by using remote sensing technique
- 3) Assessment of catchment land use and water environment
- 4) Operation and management of irrigation and drainage facilities
- 5) Peatland management and conservation

## ◎ECOLOGICAL AND ENVIRONMENTAL PHYSICS

HIRANO Takashi, Ph. D., Agr., Professor

SAMESHIMA Ryoji, Dr., Agr., Professor

OKADA Keiji, Dr., Agr., Lecturer

YAMADA Hiroyuki, Ph. D., Agr., Lecturer

Current research activities:

- 1) Heat, water and mass transfer and their balances in various land surfaces and terrains
- 2) Response of crop growth and yield to meteorological condition
- 3) Evaluation and utilization of climatic resources on agriculture for cold region
- 4) Monitoring and assessment of terrestrial ecosystem functions and disturbance effects on the functions
- 5) Ecological and hydrological assessment for wetland conservation

## ◎SOIL CONSERVATION

ISHIGURO Munehide, Ph. D., Agr., Professor ※

Current research activities:

- 1) Solute transport and adsorption in soils; nutrients and contaminants such as surfactants, phosphate, ions etc.
- 2) Influence of soil electric phenomena on soil structures and environment
- 3) Influence of inter-tillage weeding on nutrient dynamics in paddy field without fertilizer and agricultural chemicals

## ◎FOREST BIORESOURCE TECHNOLOGY

TAMAI Yutaka, Dr., Agr., Professor

KODA Keiichi, Ph. D., Agr., Associate Professor

Current research activities:

- 1) Development of novel materials/useful substances from unused agroforest biomass resources
- 2) Clarification of the significance of the occurrence of lignin in higher plants
- 3) Cultivation, breeding, and molecular phylogenetic analysis of basidiomycetes
- 4) Elucidation of symbiotic mechanism between forest plants and fungi for restoration of forest vegetation
- 5) Clarification of ecological characteristics of forest microorganisms for exploration of their function

Those with ※ will be resigned (retired) as of March 31, 2023.

## はじめに

北海道大学は1876年に札幌農学校として創立された日本で最初の高等農業科学教育研究施設であり、我が国初めての学士授与教育機関である。

本学は12の学部・22の大学院研究科(院)・25の研究所および研究センターなどからなり、4,000名の教職員・11,500名の学部学生及び6,600名の大学院学生から成り立ち、その中には99ヶ国・2,000名の外国人留学生が含まれている。(人数は概数)

北海道大学の全ての学部・研究科において、農学部は140年以上の長い歴史を持つ最古の学部であり、北海道の開拓という目的の為に創設されて以来、農学分野では常に先端を歩む大学であり多くの著名人を輩出した。

今日、北海道大学農学部は日本の国立大学法人\*の中で最も権威のある学部の1つであり、入学者のうち北海道以外の出身者が7割以上を占めている。大学院農学研究院もまた同様であり、併せて質の高い教授及び職員が在籍している。西暦2000年には大学院教育に重点を置いた「大学院重点化大学」へと移行し、21世紀に於いて日本の最も優秀な大学の1つとして、最高のレベルを維持しようとしている。

「包括的先進農業フロンティア育成のための国際教育プログラム」(以下、先進農学フロンティア特別コース)は、それまでの「生存基盤科学特別コース」を基盤として、新たに2018年4月に設立された。本プログラムは、地球上の限られた資源の保全と持続的活用によって未来における人類の生存基盤を確立する為に必要な、食物、健康科学、環境に係る教育研究の独創的なプログラムを提供する。

なお、プログラムの性格上、教育・研究に使われる言語は英語であり、我々はこのチャンスをぜひ有効に活用していただきたいと思っている。

2022年9月1日

農学院院长

教授 西 邑 隆 徳

先進農学フロンティア特別コース長

教授 信 濃 卓 郎

\*2004年4月1日より日本の国立大学は、全て国立大学法人へと移行した。



## 募集要項（博士後期課程）

### 博士後期課程の特徴について

- (1) すべての講義・研究・論文指導は英語で行われるが、在籍中に日本語を習得することが望ましい。
- (2) 課程在籍中に行った研究の成果に基づき学位論文を英語で執筆し、先進農学フロンティア特別コースの学位授与審議委員会の審査及び口頭諮問を受けなければならない。学術的に十分な成果が得られた場合には博士（農学）の学位が授与される。
- (3) 博士後期課程を3年で修了することが求められる。

### 1. 研究分野と募集人員について

#### 1-1 研究分野

- (1) 先進農学フロンティア特別コースに属する研究室の研究テーマに関連した研究分野（13-21ページ参照）であること。
- (2) 指導予定教員の許可がなければ、出願することができない。出願する前には指導予定教員と、受入れ手続きと研究内容について十分に打ち合わせをしておかなければならない。

#### 1-2 募集人員

若干名の学生が選抜される。先進農学フロンティア特別コースは4名の学生を日本政府（文部科学省）による国費外国人留学生候補者（以下「**国費外国人留学生**」）として推薦する。

これとは別にその他の国費留学生（大使館推薦等）も選抜されることがある。これを国費の定員枠外留学生と呼ぶ。定員枠外とは、上記4名以外の国費枠留学生を表す（以下「**国費定員枠外留学生**」）。

また、数名の他の経済的支援からなる学生（以下「**私費外国人留学生**」）を選抜する。

### 2. 出願資格

#### 2-1 国籍

「国費外国人留学生」：日本政府が定めた対象国に居住し、日本国以外の国籍を持つ者。

先進農学フロンティア特別コースの修士課程修了予定者も含む。

「国費定員枠外留学生」：それぞれの国費留学生採用枠における条件を満たす者。

「私費外国人留学生」：日本国以外の国籍を持つ者。

#### 2-2 年齢

「国費外国人留学生」：2023年4月1日において35歳未満の者。

（1988年4月2日以降に出生した者）

「国費定員枠外留学生」：それぞれの国費留学生採用枠における条件を満たす者。

「私費外国人留学生」：年齢制限はない。

#### 2-3 学歴

「国費外国人留学生」

- (1) 修士の学位又は専門職学位を有する者及び2023年9月までに授与見込みの者

- (2) 外国の大学において修士の学位又は専門職学位に相当する学位を授与された者及び2023年9月までに授与見込みの者
- (3) 外国の学校が行う通信教育における授業科目を我が国において履修し、修士の学位又は専門職学位に相当する学位を授与された者及び2023年9月までに授与見込みの者
- (4) 我が国において、外国の大学院の課程を有するものとして当該外国の学校教育制度において位置付けられた教育施設であって、文部科学大臣が別に指定するものの当該課程を修了し、修士の学位又は専門職学位に相当する学位を授与された者及び2023年9月までに授与見込みの者
- (5) 国際連合大学本部に関する国際連合と日本国との間の協定の実施に伴う特別措置法（昭和51年法律第72号）第1条第2項に規定する1972年12月11日の国際連合総会決議に基づき設立された国際連合大学の課程を修了し、修士の学位に相当する学位を授与された者及び2023年9月までに授与見込みの者
- (6) 外国の学校、(5)の指定を受けた教育施設又は国際連合大学の教育課程を履修し、大学院設置基準第16条の2に規定する試験及び審査に相当するものに合格し、修士の学位を有する者と同等以上の学力があると認められた者及び2023年9月までに認められる見込みの者（以下「外国の大学において基礎力審査に相当するものに合格した者」という。）
- (7) 文部科学大臣の指定した者（平成元年文部省告示第118号）
  - ① 大学を卒業し、大学、研究所等において、2年以上研究に従事した者で、本学院において当該研究の成果等により、修士の学位を有する者と同等以上の学力があると認めた者
  - ② 外国において学校教育における16年の課程を修了した後、又は外国の学校が行う通信教育における授業科目を我が国において履修することにより当該外国の学校教育における16年の課程を修了した後、大学、研究所等において、2年以上研究に従事した者で、本学院において、当該研究の成果等により、修士の学位を有する者と同等以上の学力があると認めた者
- (8) 本学院において、個別の出願資格審査により、修士の学位又は専門職学位を有する者と同等以上の学力があると認めた者で、2023年9月30日までに24歳に達する者\*
 

\* 高等専門学校・短期大学の卒業者、専修学校・各種学校の卒業者、外国大学日本分校・外国人学校の卒業者など大学卒業資格を有していない者

「国費定員枠外留学生」および「私費外国人留学生」

#### 4月入学者

- (1) 修士の学位又は専門職学位を有する者及び2023年3月までに授与見込みの者
- (2) 外国の大学において修士の学位又は専門職学位に相当する学位を授与された者及び2023年3月までに授与見込みの者
- (3) 外国の学校が行う通信教育における授業科目を我が国において履修し、修士の学位又は専門職学位に相当する学位を授与された者及び2023年3月までに授与

見込みの者

- (4) 我が国において、外国の大学院の課程を有するものとして当該外国の学校教育制度において位置付けられた教育施設であって、文部科学大臣が別に指定するものの当該課程を修了し、修士の学位又は専門職学位に相当する学位を授与された者及び2023年3月までに授与見込みの者
- (5) 国際連合大学本部に関する国際連合と日本国との間の協定の実施に伴う特別措置法（昭和51年法律第72号）第1条第2項に規定する1972年12月11日の国際連合総会決議に基づき設立された国際連合大学の課程を修了し、修士の学位に相当する学位を授与された者及び2023年3月までに授与見込みの者
- (6) 外国の学校、(5)の指定を受けた教育施設又は国際連合大学の教育課程を履修し、大学院設置基準第16条の2に規定する試験及び審査に相当するものに合格し、修士の学位を有する者と同等以上の学力があると認められた者及び2023年3月までに認められる見込みの者（以下「外国の大学において基礎力審査に相当するものに合格した者」という。）
- (7) 文部科学大臣の指定した者（平成元年文部省告示第118号）
  - ① 大学を卒業し、大学、研究所等において、2年以上研究に従事した者で、本学院において当該研究の成果等により、修士の学位を有する者と同等以上の学力があると認めた者
  - ② 外国において学校教育における16年の課程を修了した後、又は外国の学校が行う通信教育における授業科目を我が国において履修することにより当該外国の学校教育における16年の課程を修了した後、大学、研究所等において、2年以上研究に従事した者で、本学院において、当該研究の成果等により、修士の学位を有する者と同等以上の学力があると認めた者
- (8) 本学院において、個別の出願資格審査により、修士の学位又は専門職学位を有する者と同等以上の学力があると認めた者で、2023年3月31日までに24歳に達する者\*

\* 高等専門学校・短期大学の卒業者、専修学校・各種学校の卒業者、外国大学日本分校・外国人学校の卒業者など大学卒業資格を有していない者

#### 10月入学者

4月入学者と同じであるが、2023年3月31日を2023年9月30日に読み替える。

- 2-4 成績：社会人は最終学歴の学業成績、在学生は現在在籍する課程の学業成績係数（3点満点）が2.30以上の者を対象とする。詳細は指導予定教員の指示に従うこと。
- 2-5 健康状態：医師によって心身共に健康であると証明された者。
- 2-6 語学能力：英語が堪能である者。英語の能力を有する者として、以下のいずれかの条件を満たす者。
  - (1) 募集開始から2年以内に取得した英語におけるヨーロッパ言語共通参照枠（CEFR）のB2相当以上の資格・検定試験のスコアを有している者。
  - (2) 日本の大学院修士課程又は博士後期課程への入学資格を満たす教育課程を、英語を主要言語として修了した者。

## 2-7 注意事項

- (1) 現役軍人または軍属の資格の者は出願することができない。
- (2) 出願資格(6)(7)(8)によって出願する者は、別途必要な書類があるので少なくとも出願提出期限の3ヶ月前までに問い合わせること。

## 2-8 問合せ先

本プログラムに関する質問等は、農学・食資源学事務部農学院教務担当まで E-mail (kyomu@agr.hokudai.ac.jp) で連絡のこと。なお E-mail には希望する研究分野と指導予定教員名を含めること。

## 3. 個人情報の取扱いについて

- ・本学では、出願書類に記載されている氏名、住所その他の個人情報は、入学者選抜及び合格発表並びに入学手続きを行うために利用する。また、同個人情報は、合格者のみ入学後の教務関係(学籍、修学指導等)、学生支援関係(健康管理、奨学金申請等)、授業料等に関する業務を行うために利用する。
- ・個人情報のうち、氏名、住所に限って、北大フロンティア基金及び本学関連団体である北海道大学体育会からの連絡を行うために利用する場合がある。

## 4. 国費外国人留学生の出願について

### 4-1 出願に係る注意事項

- (1) 事前に指導予定教員と連絡を取り、打ち合わせを行わなければならない。事前打ち合わせが無い出願は受け付けない。
- (2) 以下に表記している出願書類の原本を、2022年12月31日までに指導予定教員宛に提出しなければならない。(これらの出願書類は出願期間内に必着であること)。
- (3) 出願後の辞退は一切受け付けない。
- (4) 出願方法については32ページに図示している。
- (5) 他の奨学金を受給している者は国費留学生として採用されない。
- (6) 出願時提出された書類に虚偽が発見された場合には、奨学金の支給は停止され合格が取り消される。
- (7) 対象外

次に掲げる事項の一つでも該当する者については対象外とする。採用以降に判明した場合には辞退すること。

- ① 渡日時及び奨学金支給期間において、現役軍人又は軍属の資格の者。
- ② 文部科学省又は受入大学の指定する期日までに渡日できない者。
- ③ 過去に日本政府(文部科学省)奨学金留学生であった者(渡日後辞退者を含む)。ただし研究留学生については、奨学金支給最終月の翌月から奨学金支給開始月までに3年以上の学業又は職務経歴がある者、又は最後に受給した日本政府(文部科学省)奨学金が日本語・日本文化研修留学生(帰国後に在籍大学を卒業した又は卒業見込みの者に限る。)、日韓共同理工系学部留学生、ヤング・リーダーズ・プログラム留学生のいずれかであった者はこの限りではない。なお、文部科学省学習奨励費(MEXT Honors

Scholarship) は日本政府 (文部科学省) 奨学金留学生にあたらないため、過去に受給歴があっても応募可能。

- ④ 日本政府 (文部科学省) 奨学金制度による他の2023年度奨学金支給開始のプログラムとの重複申請をしている者。
- ⑤ 申請時に既に在留資格「留学」で日本の大学等に在籍している者及び申請時から奨学金支給期間開始前に私費外国人留学生として日本の大学等に在籍、又は在籍予定の者。ただし、現在、日本の大学等に在籍又は在籍予定の私費外国人留学生であっても、奨学金支給期間開始前に修了し帰国することが申請時において確実で、新たに在留資格「留学」を取得し渡日する者はこの限りではない。
- ⑥ 奨学金支給開始後に日本政府 (文部科学省) 以外の機関 (自国政府機関を含む) から奨学金を受給することを予定している者。
- ⑦ 「卒業見込みの者」であって、所定の期日までに学歴の資格及び条件が満たされない者。
- ⑧ 申請時に二重国籍者で、渡日時までに日本国籍を離脱したことを証明できない者。
- ⑨ 申請時から日本以外での研究活動 (インターンシップ、フィールドワーク等) や休学等を長期間予定している者。
- ⑩ 博士課程修了者については、学位取得を目的としない者。

#### 4-2 入学者選抜方法

申請書類及びメールインタビューもしくは面談によって審査される。

#### 4-3 出願書類

以下にあるすべての書類を、航空郵便書留で送付すること。

- (1) 入学願書 (本要項の用紙により、両面印刷とすること。所定の欄に写真貼付)  
※入学申請書の 6. i) 研究の背景, ii) 研究計画は、事前協議に基づいて作成すること。
- (2) 国費外国人留学生 (文部科学省) 申請用紙 (交付の用紙により、両面印刷とすること。所定の欄に写真貼付)。指導予定教員とその他の教員による計9回以上のメールインタビューが実施される。
- (3) 健康診断書 (過去6ヶ月以内に発行されたもの。本要項交付の用紙によること)
- (4) 卒業証書および修士学位記のコピー、もしくは卒業および修了証明書 (修士課程を修了見込みの者は修了期日が明記された修了見込証明書)。
- (5) 成績証明書 (学士・修士課程のもの)  
※注: 社会人は最終学歴の学業成績、在学生は現在在籍する課程の学業成績係数 (3点満点) が2.30以上の者を対象とする。成績証明書には、単位取得時期 (少なくとも年/学期) が明記されていること。
- (6) GPAやA/B/Cなどの記載がされており、最終出身大学において優秀であることを証明する書類。
- (7) 英語能力証明書  
「2-6 語学能力」のいずれかの要件を満たす根拠となる書類 (例: TOEFL, IELTS等の証明書)
- (8) 市民権を証明する書類 (母国の住民であることを証明できるもの)。パスポートのコピーが

望ましい。

- (9) 推薦書：1通（最終出身学校の学部等の長から北海道大学総長寶金清博教授宛て）
- (10) 卒業論文および修士論文の要旨（A4またはレターサイズ判，各1枚）
- (11) 検定料 免除する。

その他

- (1) 書類は，可能な限り文書作成ソフト等を用いて，全てA4またはレターサイズ判両面印刷に統一して作成すること。
- (2) 書類に不備がある場合もしくは不正であると判明した場合は一切受け付けない。出願期間を経過し願書等が到着した場合も受け付けない。
- (3) 提出された書類は返還しない。
- (4) 見込証明書を提出している者は，正式な修了証明書等が発行され次第提出すること。

#### 4-4 合格者発表

審査に合格した者は，先進農学フロンティア特別コース教授会にて合格判定後，入学候補者として承認される。最終的には，北海道大学大学院農学院教授会によって合格者が決定される。国費奨学金支給決定については，2023年8月上旬頃に文部科学省からの奨学金支給決定と試験結果が通知され，合格者は本学院学生として入学が許可される。

#### 4-5 国費外国人留学生に係る補足説明

##### (1) 渡日時期

採用された者は9月末までに渡日すること。

##### (2) 入学料及び授業料

入学料及び授業料は免除される。

##### (3) 奨学金

標準修業年限を超える奨学金の延長は認められない。大学を長期に亘り不在とした場合，または，学業の進捗状況が悪い場合，奨学金は支給されない。

##### (4) 渡日旅費

文部科学省は採用決定者の国籍国の居住地に最も近い国際空港から，日本国内で最初に到着する国際空港までのエコノミークラス航空券を支給する。（注意：採用決定者は自国内での空港までの旅費，日本国内の旅費，空港税，旅行傷害保険料等を負担しなければならない。）

##### (5) 学生教育災害傷害保険

研究を開始する前に学生教育研究災害傷害保険に加入しなければならない。保険料は3年間で3,620円である（変更となる場合もある）。

### 5. 研究生（国費定員枠外留学生（大使館推薦等））からの出願について

#### 5-1 出願書類

以下にあるすべての書類を，農学・食資源学事務部農学院教務担当窓口まで提出すること。

書類は，可能な限り文書作成ソフト等を用いて全てA4またはレターサイズ判両面印刷に統一して作成すること。

- (1) 入学願書（本要項の用紙により，両面印刷とすること。所定の欄に写真貼付）

※入学申請書の 6. i) 研究の背景, ii) 研究計画は, 事前協議に基づいて作成すること。

なお, 3名の教員により計3回以上, 研究のテーマや研究計画について面談が実施される。

(2) 健康診断書(過去6ヶ月以内に発行されたもの。本要項の用紙によること)

(3) 検定料 免除する。

#### 5-2 諸事項

各日程については32ページの第1表を参照すること。入学者選抜方法(4-2), 入学金及び授業料(4-5(2)), 傷害保険(4-5(5))については国費外国人留学生と同じである。

### 6. 私費外国人留学生の出願について

#### 6-1 出願に係る注意事項

- (1) 事前に受入れ予定教員と連絡を取り, 打ち合わせを行わなければならない。事前打ち合わせが無い出願は受け付けない。
- (2) 以下に表記している出願書類を, 第1表に示す期日までに受入れ予定教員宛に提出しなければならない。(これらの出願書類は出願期間内に必着であること)。
- (3) 出願方法については32ページに図示している。
- (4) 出願時に提出された書類に虚偽が発見された場合には合格が取り消される。

#### 6-2 入学者選抜方法

申請書類及びメールインタビューによって審査される。

#### 6-3 出願書類

以下にあるすべての書類を, 航空郵便書留で送付すること。

- (1) 入学願書(本要項の用紙により, 両面印刷とすること。所定の欄に写真貼付)

※入学申請書の 6. i) 研究の背景, ii) 研究計画は, 事前協議に基づいて作成すること。

3名の教員により, 計6回以上のメールインタビューが実施される。直接面談可能な場合はメールインタビューを面談に代えることがある。この場合は, 3名の教員により計3回以上の面談が実施される。

すでに研究生として在籍している場合は, 3名の教員により計3回以上の面談が実施される。

- (2) 健康診断書(過去6ヶ月以内に発行されたもの。本要項の用紙によること)

- (3) 卒業証書および修士学位記のコピー, もしくは卒業および修了証明書(修士課程を修了見込みの者は修了期日が明記された修了見込証明書)。修士の学位を有しないが博士論文研究基礎力審査に合格した者は, 修士学位記(修了証明書)に代えて当該審査に合格した証明書。

◎中国の大学を卒業, または卒業見込みの者は, 卒業(見込)証明書に加えて, 以下の書類を提出してください。

既 卒 者…a 学歴証書電子登録票(教育部学历证书电子注册备案表)

b 卒業証書(毕业证书)及び学位証書(学位证书)

卒業見込者…a オンライン在籍認証レポート(教育部学籍在线验证报告)

上記のうち, 書類 a は中国教育部認証システム(中国高等教育学历证书查询

<http://www.chsi.com.cn/xlcx/bgys.jsp> より取得してください。

また、提出時点で Web 認証の有効期限が15日以上残っていることを確認してください。

(4) 成績証明書（学士・修士課程のもの）

※注：社会人は最終学歴の学業成績、在学学生は現在在籍する課程の学業成績係数（3点満点）が2.30以上の者を対象とする。成績証明書には、単位取得時期（少なくとも年/学期）が明記されていること。

(5) 英語能力証明書

「2-6 語学能力」のいずれかの要件を満たす根拠となる書類（例：TOEFL, IELTS等の証明書）

(6) 市民権を証明する書類（母国の住民であることを証明できるもの）パスポートのコピーが望ましい。

(7) 推薦書：1通（最終出身学校の学部長等の長から北海道大学総長寶金清博教授宛て）

(8) 卒業論文および修士論文の要旨（A4またはレターサイズ判，各1枚）

(9) 検定料30,000円（支払い方法は指導予定教員と相談すること）

※中国政府派遣留学生，総長奨励金留学生，私費外国人留学生特待プログラム留学生，及び本学大学院修士課程修了見込みの者は，検定料の振込を要しない。

※出願書類を受理した後は，いかなる理由があっても払込済の検定料は返還しない。

その他

(1) 書類は，可能な限り文書作成ソフト等を用いて，全てA4またはレターサイズ判両面印刷に統一して作成すること。

(2) 書類に不備がある場合，もしくは不正であると判明した場合は一切受け付けない。出願期間を経過し願書等が到着した場合も受け付けない。

(3) 提出された書類は返還されない。

(4) 見込証明書を提出している者は，正式な修了証明書等が発行され次第提出すること。

6-4 合格者発表

出願者には第1表に定められた期日に試験結果が通知され，合格者は本学院学生として入学が許可される。

6-5 私費外国人留学生に係る補足説明

(1) 渡日時期

2023年4月もしくは10月のいずれかの入学時期を選択することができる。また，入学時期に伴い出願期間が定められている。応募者は第1表を参照し，入学時期等を考慮して出願すること。

(2) 入学料：282,000円（2022年度実績）

(3) 授業料：267,900円（年間535,800円・2022年度実績）

※入学料及び授業料は改定される場合がある。

※本学大学院修士課程から引き続き博士後期課程に進学する者は入学料の振込を要しない。

※中国政府派遣留学生，総長奨励金留学生及び私費外国人留学生特待プログラム留学生は，入学料及び授業料の振込を要しない。



(4) 学生教育研究災害傷害保険

研究を開始する前に学生教育研究災害傷害保険に加入しなければならない。保険料は3年間で3,620円である(変更となる場合もある)。

## 7. 本学農学院修士課程から博士後期課程への進学者について

### 7-1 出願書類

以下にあるすべての書類を、農学・食資源学事務部農学院教務担当窓口まで提出すること。書類は、可能な限り文書作成ソフト等を用いて全てA4またはレターサイズ判両面印刷に統一して作成すること。

(1) 入学願書(本要項の用紙により、両面印刷とすること。所定の欄に写真貼付)

※入学申請書の6.i)研究の背景、ii)研究計画は、事前協議に基づいて作成すること。

なお、奨学金支給期間延長申請書の「研究計画又は研究状況」のコピーを提出するものは入学申請書の6.i)研究の背景、ii)研究計画を省略することができる。(私費留学生を除く。)

3名の教員により計3回以上の面談が実施される。

(2) 健康診断書(北海道大学保健センター発行のもの。進学予定者は4月の定期健康診断を必ず受診すること。)

(3) 検定料 免除する。

### 7-2 諸事項

願書提出期限、合格発表の日程については第1表を参照すること。本項目7は、国費外国人留学生、国費定員枠外留学生(4月あるいは10月入学)、私費外国人留学生(4月あるいは10月入学)を含む。

### 7-3 本学農学院修士課程から博士後期課程への進学者に係る補足事項

(1) 入学料 免除する。

(2) 授業料: 267,900円(年間535,800円・2022年実績)

※国費外国人留学生、国費定員枠外留学生、中国政府派遣留学生、総長奨励金留学生及び私費外国人留学生特待プログラム留学生は、授業料の振込を要しない。

(3) 学生教育研究災害傷害保険

研究を開始する前に学生教育研究災害傷害保険に加入しなければならない。保険料は3年間で3,620円である(変更となる場合もある)。

第1表 国費定員枠外留学生、私費外国人留学生及び内部進学者に係る日程について

	4月入学者	10月入学者
願書提出期限	2022年10月下旬	2023年5月下旬
合格発表	2022年12月初旬	2023年7月中旬
渡日時期	2023年3月下旬	2023年9月下旬

## 出願の流れ図

出願者は p13-21 に示した指導予定教員と連絡をとる。  
教員の連絡先は本コースのウェブサイト参照のこと。

<https://www.agr.hokudai.ac.jp/spgp/lab/>

農学研究院の教員の研究分野は以下の農学研究院・農学院  
ウェブサイトでも閲覧可能。

<https://www.agr.hokudai.ac.jp/>

指導予定教員に出願書類を郵送する。  
指導予定教員の許可がなければ、出願することができない。  
出願する前には指導予定教員と、  
研究内容について十分に打ち合わせを行うこと。

出願書類及びメールインタビュー  
もしくは面談によって審査される。

合否が通知される。

