

Academic Year 2017

**Division of Life Science
Graduate School of Life Science
Hokkaido University**

Doctoral Course

First Selection for 2017

Guidelines for Application for the Entrance Examination

For enrollment October 2016 or April 2017

**(Admission for International Students Residing in
Japan)**

June 2016

Schedule for Entrance Examination Graduate School of Life Science 2017

Division of Life Science: Doctoral Course (Latter Period of Doctoral Program)

| Doctoral Course | Open Courses | Examination Date |
|------------------|--|--------------------------------------|
| First Selection | • Transdisciplinary Life Science Course, Biosystems Science Course, Biomedical and Pharmaceutical Science Course | August 23 – 24, 2016 |
| Second Selection | * This selection will be conducted only if the admission capacity does not reach the maximum number allotted for each course in the First Selection. | January 18 – 19, 2017 (tentative) |

* Whether or not a second selection will be conducted will be announced on the website in early September.

• If you wish to work with a particular supervisor or in a specified laboratory, please apply for the first selection.

The number of students accepted for each supervisor and laboratory is limited. Therefore, applicants may be assigned to a laboratory (other than the one they chose) in the same division if the fixed number is exceeded

Hokkaido University's Acquisition and Use of Personal Information

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

Admission Policy of Graduate School of Life Science

The Graduate School of Life Science provides students with the training that allows them to acquire an interdisciplinary knowledge of advanced life science, from the level of molecules to organisms. We provide comprehensive education with participation by instructors specialized in fields in the basic and applied life sciences, pharmaceutical science, medicine, and agriculture.

The educational goal of training in the Graduate School of Life Science is to enable students to comprehensively understand various living phenomena through biomolecular interactions, and to apply their knowledge and techniques in real life. On these principles and aims, we seek:

- Students with a strong intention to conduct innovative research.
- Students with exceptional abilities to analyze and examine a subject.
- Students with a general understanding of both the common principles and diversity among: the fields of chemical, cellular, and molecular biology related to basic analysis of the structure and function of life; the fields of physiology, and reproductive and developmental biology, related to analysis of the advanced functions of life; life phenomena that exist as the integration of functions; and the function and structure of biomolecules.

I. General Category

1. Admission Quota

(This includes the admission quota for working and international applicants in each course.)

| Division of Life Science | Admission Quota |
|--|-----------------|
| Transdisciplinary Life Science Course | 46 students |
| Biosystems Science Course | |
| Biomedical and Pharmaceutical Science Course | |

2. Eligible Applicants

Applicants must fulfill one of the following criteria.

- A** Received or are expected to receive a Master's degree or a professional degree (a professional degree as stipulated in Article 5-2 of the Degree Regulations [1953 Education Ministry Ordinance No. 9] in conformity with Article 104, Clause 1, of the School Education Law), prior to admission to the Graduate School.
- B** Received or are expected to receive a degree equivalent to a Master's degree or a professional degree at an overseas institution, prior to admission to the Graduate School.
- C** Completed or are expected to complete an overseas distant learning course in Japan and received a degree equivalent to a Master's degree or a professional degree at an overseas institution, prior to admission to the Graduate School.
- D** Completed or are expected to complete a school education course at an institution in Japan that is recognized by the educational system of an overseas country as having graduate school courses and is designated by the Ministry of Education, Culture, Sports, Science and Technology, and be awarded a Master's degree or a professional degree, prior to admission to the Graduate School.
- E** Received or are expected to receive, prior to admission to the Graduate School, a degree equivalent to a Master's degree from the United Nations University which was promulgated by the General Assembly of the United Nations on December 11, 1972 and in accordance with the Agreement between Japan and the United Nations concerning the Act on Special Measures Incidental to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University [1976, Resolution 72, Article 1, Item 2].
- F** Completed or are expected to complete a formal education by taking a correspondence course through a non-Japanese university, an educational institution as designated in D, or the United Nations University; passed an examination or screening equivalent to that specified in the regulations in Article 16-2 in Standards for the Establishment of Graduate Schools; and be

recognized by the Graduate School as having reached an academic level equivalent to a Master's degree holder, prior to admission to the Graduate School.

- G** Designated by the Ministry of Education, Culture, Sports, Science and Technology (Ministry of Education Notification No. 118/1989).
- ① Engaged in research at a university and/or a research institute for two years or longer after graduation from university, and be recognized by the Graduate School as having reached an academic level equivalent to or higher than that of a Master's degree holder, based on research results.
 - ② Completed a 16-year overseas school education course, or an overseas correspondence course in Japan equivalent to a 16-year school education course in the country concerned, and subsequently engaged in research at a university and/or a research institute for two years or longer, and be recognized by the Graduate School as having reached an academic level equivalent to or higher than that of a Master's degree holder, based on research results.
- H** Be recognized by the Graduate School as having reached an academic level equal to or higher than that of a Master's degree holder or a professional degree holder, as verified by the individual admission qualification screening, and be at least age 24 before admission to the Graduate School.

Notes:

Applicants who wish to enroll in October 2016 must indicate this by checking the appropriate box on the application form.

3. Pre-assessment of Applicants' Qualifications

Application Period for Pre-assessment: June 27 – June 29, 2016

The Pre-assessment of Applicants' Qualifications is held prior to the application period for the entrance examination. **Applicants under G or H in "2. Eligible Applicants"** must apply for this by submitting "5. Application Documents" during the above period.

Applicants who apply for the Pre-assessment of Applicants' Qualifications should not pay the entrance examination fee when they apply for the pre-assessment. They should pay the entrance examination fee after referring to the notes below. The Graduate School Educational Affairs Section is open from 9:00 AM – 4:00 PM, except on Saturdays, Sundays, and national holidays; if you mail the documents, they must be received by the deadline.

Notes:

The pre-assessment application results will be sent by mail to applicants around July 7, 2016; once their qualifications have been accepted by the pre-assessment, they must pay the examination fee, referring to "7. Entrance Examination Fee," and submit the payment certificate (E) during "4. Application Period." If the Educational Affairs Section does not receive the payment certificate (E) during the application period, the application will not be accepted and will be regarded as canceled.

- Japanese Government (MEXT) scholarship students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President's Fellowship or a Hokkaido University Special Grant for International Students (including those who are expected to receive these scholarships) are not required to pay the examination fee.

4. Application Period

July 19 – July 25, 2016

The Graduate School Educational Affairs Section is open from 9:00 AM – 4:00 PM, except on Saturdays, Sundays, and national holidays; if you mail the application documents, they must be received by the deadline.

Applicants under A – F in "2. Eligible Applicants"

Submit "5. Application Documents" with the payment certificate (E) during the application period. Japanese Government (MEXT) scholarship students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President's Fellowship or a Hokkaido University Special Grant for International

Students (including those who are expected to receive these scholarships) are not required to pay the examination fee.

Please refer to “7. Entrance Examination Fee” for more details.

Applicants under G or H in “Eligible Applicants”

Please refer to “3. Pre-assessment of Applicants’ Qualifications” for details.

5. Application Documents

- Applicants under G or H in “2. Eligible Applicants” must submit the following documents during the application period for “3. Pre-assessment of Applicants’ Qualifications.”
- In the following chart, “○” indicates documents that must be submitted; “△” indicates documents that must be submitted for those who fall into the following “Remarks”..

| Documents | Applicants | | Remarks |
|---|------------------|------|---|
| | A, B, C, D, E, F | G, H | |
| 1 Application Form, Resume, Admission Ticket and Photo Card. | ○ | ○ | Prescribed. Applicants who have completed a correspondence course offered by an overseas educational institution or an overseas school education course are required to attach Resume B . |
| 2 Research Plan after enrollment. | ○ | ○ | Prescribed. |
| 3 Certificate of Research Career. | | ○ | Discretionary format. Certificate issued by a dean, department chair or supervisor at a university, institution, or company concerning the applicant’s research topics and period of research. |
| 4 Official Transcript issued by the last academic institution previously attended. | ○ | ○ | Applicants from the Master’s Course in the Graduate School of Life Science, Hokkaido University, are not required to submit this document. |
| 5 Official Certificate of Graduation or Expected Graduation issued by the last academic institution previously attended, or Official Certificate of Degree. | ○ | ○ | ① Applicants from the Master’s Course in the Graduate School of Life Science, Hokkaido University, are not required to submit this document. ② Applicants under F in “2. Eligible Applicants” are required to submit an Official Certificate of Qualifying Examination. |
| 6 Summary of research during the Master’s Course. | △ | | Only for applicants for the Biomedical and Pharmaceutical Science Course and who are expected to complete a Master’s Course (about three A-4 size pages). |
| 7 Summary of research up to the present time. | △ | | Only for applicants for the Biomedical and Pharmaceutical Science Course and who hold a Master’s degree. Consult with prospective supervisors in advance. |
| 8 List of preferred supervisors. | ○ | ○ | Prescribed. Directly contact supervisors you prefer in advance. |
| 9 Summary of research experience and copies of research papers. | △ | △ | Discretionary format. As proof of their research experience and achievements, applicants may submit these supporting documents. |
| 10 Self-addressed envelope to receive the admission ticket for the entrance examination. | ○ | ○ | Prescribed. Write your name and mailing address on an envelope with a 362-yen stamp attached. If you change your address after applying, please notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University. |
| 11 Stickers for notification of the application results and for communication purposes. | ○ | ○ | Prescribed. Write your name and mailing address on each sticker. If you change your address after applying, please notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University. |
| 12 Self-addressed envelope for notification of the pre-assessment results. | | ○ | Write your name and mailing address on a standard envelope with an 82-yen stamp attached. |

6. Submission of Application Documents

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

- If you send your application documents by mail, **please indicate “Application for the Graduate School Enclosed” in red on the envelope and send it by registered mail.**

7. Entrance Examination Fee: 30,000 yen

① **Applicants expecting to complete a Master's Course in the Graduate School of Hokkaido University, Japanese Government* (MEXT) scholarship students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President's Fellowship or a Hokkaido University Special Grant for International Students (including those who are expected to receive these scholarships) 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 a letter verifying that they have received this scholarship.

② Remit the examination fee to the bank account or post office account designated by this University, using the attached examination fee transfer form specifically prepared for this purpose, and attach the payment certificate (E) to the appropriate section on the application form.

③ The examination fee is not refundable except in the following cases:

- The applicant has not submitted an application, or the application was rejected after the application fee was remitted.
- The applicant paid the examination fee twice by mistake.

8. Selection Method

The Graduate School will assess applicants on the basis of their oral examination* and on their application documents.

*In the oral examination, applicants are questioned on their “Research Plan after enrollment” and documents submitted as optional extras, such as the summary of research experience or copies of research papers.

9. Date & Time of Examination

August 23 – August 24, 2016

The Graduate School will send applicants detailed information on the entrance examination.

10. Announcement of Application Results

Successful applicants will be announced on the bulletin board on the ground floor of the Graduate School of Science (large lobby inside north entrance to Building 2) and in the entrance hall in the Graduate School of Pharmaceutical Science, Hokkaido University, around 4:30 PM on September 2, 2016. All applicants will also receive the results by mail.

11. Procedures for Enrollment and Payment of Fees

All successful applicants will be notified about how to proceed with enrollment registration.

Enrollment Fee*: 282,000 yen (estimated).

***Applicants expecting to complete a Master's Course in the Graduate School of Hokkaido University are not required to pay the enrollment fee.**

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

†Tuition and fees are subject to revision at the time of or during your enrollment. In the event of a revision, the revised amounts are immediately applied.

12. Precautions

- ① Make sure to bring your admission ticket for the entrance examination on the day of the examination.
- ② Please consult the Graduate School Educational Affairs Section in advance if you will have

physical difficulties in taking the examination.

13. Long-term Graduate System

The Long-term Graduate System is an option in the Graduate School of Life Science. If you wish to take advantage of this system, please apply after referring to “Information on the Long-term Graduate System”.

14. Other Information

The admission ticket for the entrance examination will be sent to all applicants around August 8, 2016.

If you have any questions regarding application procedures, please contact the following:

Graduate School Educational Affairs Section

Science and Life Science Administration Department

Hokkaido University

Kita-10 Nishi-8, Kita-ku, Sapporo 060-0810, Japan

E-mail: daigakuinkyou@mail.sci.hokudai.ac.jp

Graduate School of Life Science, Hokkaido University

<http://www.lfsci.hokudai.ac.jp/graduate-school/>

II. Special Category for Working-Adult Applicants

1. Admission Quota

| Division of Life Science | Admission Quota |
|--|------------------------|
| Transdisciplinary Life Science Course | A few students |
| Biosystems Science Course | |
| Biomedical and Pharmaceutical Science Course | |

2. Eligible Applicants

Applicants who meet one of the following requirements and who are working as a researcher or technician in a research institution, educational institution, or company at the time of application, and who will continue the position after enrollment.

- A** Received a Master's degree or a professional degree (a professional degree as stipulated in Article 5-2 of the Degree Regulations [1953 Education Ministry Ordinance No. 9] in conformity with Article 104 Clause 1 of the School Education Law).
- B** Received a degree equivalent to a Master's degree or a professional degree at an overseas institution.
- C** Completed an overseas correspondence course in Japan and received a degree equivalent to a Master's degree or a professional degree at an overseas institution.
- D** Completed a school education course at an institution in Japan that is recognized by the educational system of an overseas country as having graduate school courses and is designated by the Ministry of Education, Culture, Sports, Science and Technology, and was awarded a Master's degree or a professional degree.
- E** Received or are expected to receive, prior to admission to the Graduate School, a degree equivalent to a Master's degree from the United Nations University which was promulgated by the General Assembly of the United Nations on December 11, 1972 and in accordance with the Agreement between Japan and the United Nations concerning the Act on Special Measures Incidental to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University [1976, Resolution 72, Article 1, Item 2].
- F** Completed or are expected to complete a formal education by taking a distant learning course through a non-Japanese university, an educational institution as designated in D, or the United Nations University; passed an examination or a screening equivalent to that specified in the regulations in Article 16-2 in Standards for the Establishment of Graduate Schools; and be recognized by the Graduate School as having reached an academic level equivalent to a Master's degree holder, prior to admission to the Graduate School.
- G** Designated by the Ministry of Education, Culture, Sports, Science and Technology (Ministry of Education Notification No. 118/1989).
 - ① Engaged in research at a university and/or a research institute for two years or longer after graduation from university, and be recognized by the Graduate School as having reached an academic level equivalent to or higher than that of a Master's degree holder, based on research results.
 - ② Completed a 16-year overseas school education course, or an overseas correspondence course in Japan equivalent to a 16-year school education course in the country concerned, and subsequently engaged in research at a university and/or a research institute for two years or longer, and be recognized by the Graduate School as having reached an academic level equivalent to or higher than that of a Master's degree holder, based on research results.
- H** Be recognized by the Graduate School as having reached an academic level equal to or higher than that of a Master's degree holder or a professional degree holder, as verified by the individual admission qualification screening, and be at least age 24 before admission to the Graduate School.

Notes:

Applicants who wish to enroll in October 2016 must indicate this by checking the appropriate box on the application form.

3. Pre-assessment of Applicants' Qualifications

Application Period for Pre-assessment: June 27 – June 29, 2016

The Pre-assessment of Applicants' Qualifications is held prior to the application period for the entrance examination. **Applicants under G or H in "2. Eligible Applicants"** must apply for this by submitting "5. Application Documents" during the above period.

Applicants who apply for the Pre-assessment of Applicants' Qualifications should not pay the entrance examination fee when they apply for the pre-assessment. They should pay the entrance examination fee after referring to the notes below. The Graduate School Educational Affairs Section is open from 9:00 AM – 4:00 PM, except on Saturdays, Sundays, and national holidays; if you mail the documents, they must be received by the deadline.

Notes:

The pre-assessment application results will be sent by mail to applicants around July 7, 2016; once their qualifications have been accepted by the pre-assessment, they must pay the examination fee, referring to "7. Entrance Examination Fee," and submit the payment certificate (E) during "4. Application Period." If the Educational Affairs Section does not receive the payment certificate (E) during the application period, the application will not be accepted and will be regarded as canceled.

- Japanese Government (MEXT) scholarship students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President's Fellowship or a Hokkaido University Special Grant for International Students (including those who are expected to receive these scholarships) are not required to pay the examination fee.

4. Application Period

July 19 – July 25, 2016

The Graduate School Educational Affairs Section is open from 9:00 AM – 4:00 PM, except on Saturdays, Sundays, and national holidays; if you mail the application documents, they must be received by the deadline.

Applicants under A – F in "2. Eligible Applicants"

Submit "5. Application Documents" with the payment certificate (E) during the application period. Japanese Government (MEXT) scholarship students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President's Fellowship or a Hokkaido University Special Grant for International Students (including those who are expected to receive these scholarships) are not required to pay the examination fee.

- Please refer to "7. Entrance Examination Fee" for more details.

Applicants under G or H in "Eligible Applicants"

Please refer to "3. Pre-assessment of Applicants' Qualifications" for details.

5. Application Documents

- Applicants under G or H in “2. Eligible Applicants” must submit the following documents during the application period for “3. Pre-assessment of Applicants’ Qualifications.”
- In the following chart, “○” indicates documents that must be submitted; “△” indicates documents that must be submitted for those who fall into the following “Remarks”.

| Documents | Applicants | | Remarks | |
|-----------|---|------|---------|---|
| | A, B, C, D, E, F | G, H | | |
| 1 | Application Form, Resume, Admission Ticket and Photo Card. | ○ | ○ | Prescribed. Applicants who have completed a correspondence course offered by an overseas educational institution or an overseas school education course are required to attach Resume B . |
| 2 | Certificate of employment issued by a person with authority over personnel administration in the applicant’s workplace. | ○ | ○ | Discretionary format. Successful applicants are required to submit written consent (to enroll in the Doctoral Course while continuing their employment) issued by this person, so please obtain consent in advance. |
| 3 | Research Plan after enrollment. | ○ | ○ | Prescribed. |
| 4 | Certificate of Research Career. | | ○ | Discretionary format. Certificate issued by a principal or supervisor at a university, institution, or company concerning the applicant’s research topics and period of research. |
| 5 | Official Transcript issued by the last academic institution previously attended. | ○ | ○ | Applicants from the Master's Course in the Graduate School of Life Science, Hokkaido University, are not required to submit this document. |
| 6 | Official Certificate of Graduation or Expected Graduation issued by the last academic institution previously attended, or Official Certificate of Degree. | ○ | ○ | ① Applicants from the Master's Course in the Graduate School of Life Science, Hokkaido University, are not required to submit this document. ② Applicants under F in “2. Eligible Applicants” are required to submit an Official Certificate of Qualifying Examination. |
| 7 | Summary of research during the Master’s Course | △ | | Only for applicants for the Biomedical and Pharmaceutical Science Course and who are expected to complete a Master’s Course (about three A-4 size pages). |
| 8 | Summary of research up to the present time. | △ | | Only for applicants for the Biomedical and Pharmaceutical Science Course and who hold a Master’s degree. Consult with prospective supervisors in advance. |
| 9 | List of preferred supervisors. | ○ | ○ | Prescribed. Directly contact supervisors you prefer in advance. |
| 10 | Summary of research experience and copies of research papers. | △ | △ | Discretionary format. As proof of their research experience and achievements, applicants may submit these supporting documents. |
| 11 | Recommendation letter(s) issued by a principal or supervisor at a university, institution, or company previously attended. | △ | △ | Discretionary format. Applicants can submit as optional extras. |
| 12 | Self-addressed envelope to receive the admission ticket for the entrance examination. | ○ | ○ | Prescribed. Write your name and mailing address on an envelope with a 362-yen stamp attached. If you change your address after applying, please notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University. |
| 13 | Stickers for notification of the application results and for communication purposes. | ○ | ○ | Prescribed. Write your name and mailing address on each sticker. If you change your address after applying, please notify the Graduate School Educational Affairs Section, Science and Life Science Administration Department, Hokkaido University. |

| Documents | | Applicants | | Remarks |
|-----------|---|------------------------|-----------------------|---|
| | | A, B, C, D, E, F | G, H | |
| 14 | Self-addressed envelope for notification of the pre-assessment results. | | <input type="radio"/> | Write your name and mailing address on a standard envelope with an 82-yen stamp attached. |

For 6-14, please see the “General Category.”

6. Submission of Application Documents

7. Entrance Examination Fee

8. Selection Criteria

9. Date & Time of Examination

10. Announcement of Application Results

11. Procedures for Enrollment Registration and Paying Fees

12. Precautions

13. Long-term Graduate System

14. Other Information

If you have any questions regarding application procedures, please contact:

Graduate School Educational Affairs Section

Science and Life Science Administration Department

Hokkaido University

Kita-10 Nishi-8, Kita-ku, Sapporo 060-0810, Japan

E-mail: daigakuinkyou@mail.sci.hokudai.ac.jp

Graduate School of Life Science, Hokkaido University

<http://www.lfsci.hokudai.ac.jp/graduate-school/>