Guidelines for Applicants
Doctoral Course

Admission in April, 2017
Admission in October, 2016

Graduate School of Environmental Science,
Hokkaido University

April 2016

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Goals of Education

The goals of education in the Graduate School of Environmental Science are, on the basis of natural science, to promote education and research for tracking environmental processes and solving global environmental issues, and to foster researchers and professionals who cope with these issues. To achieve these aims, the Division of Earth System Science, Division of Biosphere Science, and Division of Environmental Materials Science are established for the study of these fundamental natural science disciplines, and the Division of Environmental Science Development is established to integrate these specialized fields and provide a comprehensive approach to facing environmental issues. Through study at these divisions, we aim to foster the specialized skills required to play an active role in the international community.

Admission Policy

Graduate School of Environmental Science admits students with strong academic backgrounds in science who are interested in the global environment, the wide range of environmental problems that exist, and how to solve such global issues.

In addition, the Graduate School of Environmental Science also actively accepts working adults who wish to deepen their knowledge in environmental science while continuing to contribute to society, and foreign students who have the burning desire to study at the cutting edge of environmental science. For this reason, the graduate school has developed a diverse entrance examination that centers on confirming.

１. Important Dates and Information for Examinations for the Academic year 2016/ 2017

	Entrance Examinations	Admission in April 2017 Fall Entrance Examination	Admission in October 2016 Entrance Examination For October Admission	Admission in April 2017 Spring Entrance Examination
Dates	Examination dates	August 25 & 26, 2016		February 28, 2017
	Notification of the result	September 1, 2016		March 7, 2017
	Application Period	July 8 to 22, 2016		January 16 to 27, 2017
	Period of Preliminary review of Admission Qualification	May 16 to 27, 2016		November 14 to 25, 2016
Capacity	Environmental Science Development Enrollment Capacity (15)	Approx. 10	○	○
	Earth System Science Enrollment Capacity (14)	○	○	Approx. 10
	Biosphere Science Enrollment Capacity (23)	Approx. 10	○	Approx. 10
	Environmental Materials Science Enrollment Capacity (11)	Approx. 10	○	○

Note The marked '○' in the fields of capacity indicates that successful applicants to be considered several numbers.

【Inquiries to Divisions and Supervisors】
Students wishing to sit entrance examinations must inquire to the division they wish to apply in advance of application.

1) If you have decided which course and supervisor you want to be considered for admission;
Contact expected supervisor directly by email referring the list of possible supervisors in this book. If you are a applicant of Biosphere Science and have a preferable supervisor as your second choice, you should contact both the first and second preferable supervisors you are wishing to study under.

2) If you have not decided which course you want to be considered for admission, you should contact the chief of the division you wish to be considered for admission.

The contact addresses are below.
Environmental Science Development: kigaku@ees.hokudai.ac.jp
Earth System Science: ess_info@wwwgeo.ees.hokudai.ac.jp
Biosphere Science: envsci@ees.hokudai.ac.jp
Environmental Materials Science: sfmc@ees.hokudai.ac.jp

2. Application Form

・Application Forms are distributed at Academic Affairs Office, Graduate Shcool of Environmental Science (Kita 10, Nishi 5, Kita-ku, Sapporo).
・When you request the form by mail, enclose a return envelope (24cm×33.2 cm, suitable for A4 paper) with postal stamps equivalent to 120 yen (400 yen for express mail) writing your name & address with postal code on the return envelope, write **"Request for Guidelines for Applicants (Doctoral Course)"** in red on the front of another envelope and send the folowing address.
・Request to: Academic Affairs Office, Graduate Shcool of Environmental Science,
Hokkaido University, Kita 10, Nishi 5, Kita-ku, Sapporo, 060-0810 JAPAN
・For any questions apply by telephone (011-706-2204・2205) or email (kyomu@ees.hokudai.ac.jp).

3. Admission Qualifications

Applicants must be qualified as one of the followings:

① Individuals who have a master's degree or professional degree
(or who are expected to be awarded by the month before the enrollment period)

② Individuals who attained a master's degree or professional degree at a foreign university
(or who are expected to be awarded by the month before the enrollment period)

③ Individuals who have completed education of a foreign country academic institution within Japan via distance learning and obtained a master's degree or professional degree
(or who are expected to be awarded by the month before the enrollment period)

④ In Japan, individuals who completed the course of designated foreign schools as foreign graduate school equivalent (Minister of Education, Culture, Sports, Science and Technology designated foreign universities (graduate or equivalent) Japan Campus), and were awarded a degree equivalent to a master's degree or professional degree (or who are expected to be awarded by the month before the enrollment period)
【Designation】The appropriate course of Temple University Japan Campus, Teachers College's Japan Campus Columbia University

⑤ Individuals who completed the course of United Nations University and were awarded a degree equivalent to a master's degree (or who are expected to be awarded by the month before the enrollment period)

⑥ Individuals who took the curriculum of foreign schools, designated educational institutions of admission qualification ⑤ or United Nations University, passed the corresponding test or examination to doctoral thesis research basic skills examination (Article 16-2 of Standards for Establishment of Universities), who are recognized to have an equivalent or higher educational abilities than those who have a master's degree.
(or who are expected to be recognized by the month before the enrollment period)

⑦ Individuals who have graduated from a university (a 4-year university or have completed the 16-year education in a foreign country), and have worked 2 years or more for a university, an institution and so on, have been qualified by the Graduate School of Environmental Science as having an equivalent or higher educational abilities than those who have a master's degree →【Preliminary Review of Admission Qualification】

⑧ Individuals who are at least 24 years old by the month before the enrollment period, and are considered to be academically equivalent to a master's degree or professional degree graduate→【Preliminary Review of Admission Qualification】

(Note) Working Adult Admissions
If you wish to apply to study at this university while continuing your current career, contact the supervisor with whom you wish to study under before applying to thoroughly discuss the entrance examination and learning process after acceptance etc.

4. Preliminary Review of Admission Qualification

Those individuals that correspond to ⑦ or ⑧ in "3. Admission Qualifications" must submit the required documents for the preliminary review of admission qualifications by the specified date.

Request for Application Forms

【Request to】Academic Affairs Office, Graduate Shcool of Environmental Science,
Hokkaido University, Kita 10, Nishi 5, Kita-ku, Sapporo, 060-0810 JAPAN

In order to obtain the prescribed forms for preliminary review of admission qualification (doctoral course) Write **"Request for Preliminary Review of Admission Qualifications (Doctoral Course) Application Documents"** in red on the front of envelope and send the following items.

1. A return envelope (24cm ×33.2 cm, suitable for A4 paper) with postal stamps equivalent to 120 yen (400 yen for express mail) writing your name & address with postal code on a return envelope.
2. Paper (no fixed format) written about below item
   a. The qualification you belong to (⑦ or ⑧)
   b. Your telephone number

List of Required Documents

1. Documents for All Applicants

Documents to Submit	Remarks
Application form for the preliminary review of admission qualification	〔Prescribed form〕
Curriculum vitae	〔Prescribed form〕
List of publications and academic achievement	〔Prescribed form〕
Graduation or completion certificate of the last school attended	
A return envelope (for notification of review result)	Write your name and address on a standard sized envelope, and paste the equivalent of 362 yen in postage stamps.

2. Documents for Preliminary Qualification ⑦

Documents to Submit	Remarks
Academic transcript of the last school Attended	Issued by the president or the dean of the university and sealed up
A certificate or a recommendation letter from the authority of the workplace stating of the applicant's research career	No fixed format (A4 paper)
An essay including reason of application and future plan	No fixed format (A4 paper, within 400 words)

3. Documents for Preliminary Qualification ⑧

Documents to Submit	Remarks
Summary about academic and research history, details of research and actual working experience, reason of application, research goals and so on after last attended school	No fixed format (A4 paper, within 800 words)

5. Documents to Submit

You should submit the following documents within the application period.

【Submit to】Academic Affairs Office, Graduate Shcool of Environmental Science,
Hokkaido University, Kita 10, Nishi 5, Kita-ku, Sapporo, 060-0810 JAPAN
Office hours 9:00-16:30（excluded Saturdays, Sundays and national holidays）

・The documents with any flaw cannot be acceptable. Please be careful with your admission application to be completed.
・If any description of candidate found out to differ from the fact, we might cancel admission.
・In case of mailing, wirte "Application Form of Graduate School" in red on the front of the envelope, and send by simple registered mail.
・Admission cards for examination are sent until one week before the examination date to those who are accepted as applicants.
・For any questions, apply by telephone (011-706-2204・2205) or email (kyomu@ees.hokudai.ac.jp).

① Documents for All Applicants

Documents	Remarks
Application Form	【Prescribed form】 Admittance Application （1）～（3）, Total 3 sheets
Identification Photographs(x 2)	A piece of photo taken within 3 months of the application. (4cm x 3cm, upper body, facing forwards, with no hat or other headgear.) Write your name on the back of the photo, and attach it to the "candidate photograph" and "Admission Card for Examination".
Academic Transcript	Applicants who are expected to complete the Master's Course of this graduate school do not need to submit this.
Graduation (Prospective) Certificate	Applicants who are expected to complete the Master's Course of this graduate school do not need to submit this.
Return Envelope	【Prescribed envelope】 Write your name and address on the envelope provided by the office, and paste postal stamps equivalent to 362 yen
Reply Address Label	【Prescribed label】Write your name and address on the label provided by the office. (Do not attach to the return envelope)
Examination Fee	Use【the prescribed payment slip】to remit payment (30,000 yen), and attach the "Hokkaido University examination fee receipt" from the right side of the notification form to the specified section of admittance application (1). The examination fee is non-refundable. 【This fee is not required for the following students】 ・Students who will have completed their Master's degree at any graduate school in Hokkaido University in March 2016 and will continue on to the Doctoral course ・Japanese government scholarship students ・Hokkaido University special grant program for international students ・Students of Scholarship Program supported by China Scholarship Council (CSC Program)
Abstract of Master's Thesis	Within 3 pages of A4 paper ※Applicants who do not have the Master's thesis shall submit an abstract of equivalent work.

② Documents for Applicants of Environmental Science Development and Environmental Materials Science

Documents	Remarks
TOEFL, TOEIC, or ILETS Score Sheet	See “Foreign Language” appended table（9 page）

③ Document for International Students

Documents	Remarks
A Copy of Resident Card or Passport	International students who reside in Japan： A copy of your resident card Other International Students： A copy of your passport

6. Subject Matter, Examination Schedule

Fall Entrance Examination and Entrance Examination for October Admission

<table>
<tr><th>Date</th><th>Subject</th><th>Time</th><th>Remarks</th></tr>
<tr><td rowspan="2">August 25, 2016</td><td>Foreign Language</td><td>10:00～12:00</td><td>See “Foreign Language” appended table (Page 9)</td></tr>
<tr><td>Oral Examination (excluding division of Biosphere Science)</td><td>13:00～</td><td rowspan="3">Presentation on the contents of the master’s thesis and Q&A is conducted as follows. A liquid crystal projector and a PC (Windows) will be prepared for presentations. Applicants must bring USB memory device for presentation file.
<table>
<tr><th>Divisions</th><th>Presentation</th><th>Q &A</th></tr>
<tr><td>Environmental Science Development</td><td>15 mins</td><td>15 mins</td></tr>
<tr><td>Earth System Science</td><td>15 mins</td><td>15mins</td></tr>
<tr><td>Biosphere Science</td><td>15 mins</td><td>15-30 mins</td></tr>
<tr><td>Environmental Materials Science</td><td>15 mins</td><td>15mins</td></tr>
</table>
As the starting time and the venues of examination vary according to the division and course, details of the oral examination will be informed before the foreign language examination.</td></tr>
<tr><td>August 26, 2016</td><td>Oral Examination (Division of Biosphere Science)</td><td>9:00～</td></tr>
</table>

Spring Entrance Examination

<table>
<tr><th>Date</th><th>Subject</th><th>Time</th><th>Remarks</th></tr>
<tr><td rowspan="2">February 28, 2017</td><td>Foreign Language</td><td>10:00～12:00</td><td>See “Foreign Language” appended table (Page 9)</td></tr>
<tr><td>Oral Examination</td><td>13:00～</td><td>Presentation on the contents of the master’s thesis and Q&A is conducted as follows. A liquid crystal projector and a PC (Windows) will be prepared for presentations. Applicants must bring USB memory device for presentation file.
<table>
<tr><th>Divisions</th><th>Presentation</th><th>Q &A</th></tr>
<tr><td>Environmental Science Development</td><td>15 mins</td><td>15 mins</td></tr>
<tr><td>Earth System Science</td><td>15 mins</td><td>15mins</td></tr>
<tr><td>Biosphere Science</td><td>15 mins</td><td>15-30 mins</td></tr>
<tr><td>Environmental Materials Science</td><td>15 mins</td><td>15mins</td></tr>
</table>
As the starting time and the venues of examination vary according to the division and course, details of the oral examination will be informed before the foreign language examination.</td></tr>
</table>

7. Examination Venue

Graduate School of Environmental Science, Hokkaido University
Kita 10, Nishi 5, Kita-ku, Sapporo

8. Selection Method

Successful candidates are selected after evaluation of academic skills (foreign languages examination and oral examination), and other requirements (Academic transcript, Master's thesis, etc.)

9. Announcement of Successful Applicants

The examinee's numbers of accepted candidates will be notified on the bulletin board in the lobby of the Graduate School of Environmental Science on the day of the announcement day of the results (reference to page 1). The examination result will be also sent to each applicant by mail. Individual applicants will not be informed of results by telephone, e-mail, fax etc.

10. Admission Procedure

・The accepted candidates will receive admission package with the Letter of Admission.

・The periods of admission procedures are early September for accepted candidates of Entrance Examination for October Admission and early March for other accepted candidates.

・The accepted candidates of Fall Entrance Examination will receive admission package in mid February (apart from the Letter of Admission.)

11. Admission Fee and Tuition Fee

Admission Fee: 282,000 yen

Tuition Fee: 267,900 yen for a half semester（535,800 yen for annual）

※The fees stated above are scheduled fee amounts. If the fees are revised at the time of admission or during the course, the new revised fees shall be applied.

12. Long-term Course

Please refer to next page for details.

13. Handling of Personal Information

Name, sex, date of birth, address, and other such personal information provided on application documents are only used by Hokkaido University for selection of applicants and admission processes to the graduate school. The information stated above of successful applicants is only used for the purposes of academic affairs matters (student's registration, study guidance), student support (health-care management, scholarship application, etc.), and tuition fee business. Names and addresses may be used for correspondence from Hokkaido University Frontier Foundation, and allied organization of the university, namely (1) Hokkaido University Athletic Union and (2) the Clark Memorial Foundation at Hokkaido University. The information stated above is not used for other purposes.

14. Matters to be attended to

・The admission examination cards are required to be brought and should be put on your desk on the examination day.

・The use of any other device such as calculators, dictionaries, and so on than writing utensils and watches (excluded with communication function and calculator function) is not permitted unless indicated the otherwise.

・The examinees are not allowed to leave the room until the finishing time of the writing examination.

Long-term Course (Guidance)

1. Purpose

Students who have a job or the other commitments (including nursing care and childcare) may apply for the offer to complete a planned curriculum over a period beyond the standard term of study (3 years), after individual examinations, a system that can recognize their planned courses (hereinafter referred to as "long-term course").

2. Qualified Person

A person who is under any of the following conditions for each item, and, by the reason, because you cannot concentrate on schoolwork, who want to set a long-term completion (research) years in advance, can apply.

(1) Those who serve in public agencies or the companies (except for the person who receive salary and exempt from duties) or their own work in a profession such as full-time business

(2) In this institute, those who attach to the profession, such as part-time, who are admitted that there is a significant influence on the schooling by its burden

(3) In this institute, by child care, nursing care of relatives etc, equivalent to previous 2 articles, who are admitted that there is a significant influence on the schooling by its burden

3. Period of attendance at school

The study term of long-term course is, in the doctoral course in less than 6 years, you can apply for a year as a unit. The maximum period of school term of the doctoral course is up to 6 years for both the long-term course students and the standard students. The period of absence allowed in this institute is the long-term course students and the standard students up to 3 years as well.

4. Application Procedure

(1) Application Period

Generally, you must apply for a long-term course when you submit an admission application form.

(2) Documents to submit

① Long-term Course Application Form (Form 1)

② Long-term Course Plan (Form 2)

③ Documents to prove that long-term course is required

(3) Screening and result notification

In case of application for long-term course offered, the notice will be informed the applicant.

(Notice period of screening result: approx. mid-March)

5. Shortening and Extension of Course Period

When necessary, this institute admits only once the shortening or extension of the long-term course period. However, the period that you can apply for a reduction of the long-term course period is up to the period plus 1 year to the standard course term (3 years).

6. Tuition Fee

Tuition fees of those who are admitted as a long-term course students, become the amount obtained by dividing the amount of tuition fees of the standard study term (the annual amount × 3 years) in the number of years of the long-term course admitted as annual. When a change of the fee or the long-term course period is permitted, it is recalculated each time. However, there is no retroactively adjusted already paid tuition fees.

【Please do not pay the tuition fee of long-term course absolutely until the notice of settlement is informed.】

7. More information

Please contact Academic Affairs Office for the application form and more information.

Appended Table　Foreign Language

Division	Foreign Language
Environmental Science Development	・Foreign language shall be "English." ・Applicants submitting a TOEFL, TOEIC, or IELTS score do not have to take the English examination. ・Applicants submitting a score can also take the English examination. The higher of the two scores will be converted to the English examination result score using a conversion formula specified by the division. ・Applicants for the Course in Global Environmental Management should submit a TOEFL, TOEIC, or IELTS score sheet wherever possible. Note: 1) The validity of the score sheet is within 2 years preceding from the date of the entrance examination. 2) TOEFL-ITP, TOEIC SW, TOEIC BRIDGE and TOEIC IP scores are not accepted. 3) As for IELTS, the academic module is solely acceptable.
Earth System Science	・Foreign language shall be "English." ・TOEFL, TOEIC, IELTS do not apply.
Biosphere Science	
Environmental Materials Science	・Foreign language shall be "English." ・Applicants, who took TOEFL, TOEIC or IELTS within 2 years preceding the date of the entrance examination, should submit the score sheet (It might also be considered for the admission decision). However, the applicants must take the foreign language test.

【For Applicants for Environmental Science Development and Environmental Materials Science】

Submission of Score sheet

Tests	Submission
TOEFL	1. Both of the followings are required when submitting a TOEFL score sheet. ①A copy of the Examinee's Score Record shall be submitted with the application. ②The Official Score Report shall be sent directly from ETS to the Graduate School of Environmental Science, Hokkaido University. 2. How to Request the Official Score Report ①When taking the examination, request that the report is sent to this graduate school with the code number 8744. (free of charge) ②After taking the examination, request that the report is sent by ETS from the Additional Score Reports Service to this graduate school with the code number 8744. (charges apply) Note 1. See the CIEE homepage (http://www.cieej.or.jp) for details. 2. If you are unable to submit at the application period, be sure to request the Official Score Report as soon as possible to ensure that it arrives at this graduate school by the examination date.
TOEIC	Submit the original TOEIC official score certificate. The certificate will be returned on the examination date. However, if you need the certificate before this date, request a reissuance.
IELTS	Submit a copy of the Test Report Form with the application.

Academic Staff in Graduate School of Environmental Science, Hokkaido University
Doctoral Course

As of April 1, 2016

Division of Environmental Science Development

Courses	Title	Faculty	Contact email
Human and Ecological Systems	Professor	TAKADA Takenori	takada@ees.hokudai.ac.jp
	Professor	TSUYUZAKI Shiro	tsuyu@ees.hokudai.ac.jp
	Professor	WATANABE Teiji	twata@ees.hokudai.ac.jp
	Professor	HARA Toshihiko	t-hara@pop.lowtem.hokudai.ac.jp
	Professor	ARAKI Hajime	araki@fsc.hokudai.ac.jp
	Associate Professor	FUJII Masahiko	mfujii@ees.hokudai.ac.jp
	Associate Professor	ISHIKAWA Mamoru	mishi@ees.hokudai.ac.jp
	Associate Professor	SHIRAIWA Takayuki	shiraiwa@lowtem.hokudai.ac.jp
	Associate Professor	TOYODA Kazuhiro	kazuhiro@ees.hokudai.ac.jp
	Associate Professor	SATO Tomonori	t_sato@ees.hokudai.ac.jp
	Associate Professor	NEGISHI Junjiro	negishi@ees.hokudai.ac.jp
Environmental Adaptation Science	Professor	TANAKA Shunitz	shunitz@ees.hokudai.ac.jp
	Associate Professor	TOYODA Kazuhiro	kazuhiro@ees.hokudai.ac.jp
	Associate Professor	OKINO Tatsufumi	okino@ees.hokudai.ac.jp
	Associate Professor	KURASAKI Masaaki	kura@ees.hokudai.ac.jp
Prctical Science for Environment	Professor	YAMANAKA Yasuhiro	galapen@ees.hokudai.ac.jp
	Professor	WATANABE Teiji	twata@ees.hokudai.ac.jp
	Associate Professor	SHIRAIWA Takayuki	shiraiwa@lowtem.hokudai.ac.jp
	Associate Professor	NEGISHI Junjiro	negishi@ees.hokudai.ac.jp
Global Environmental Management	Professor	TANAKA Shunitz	shunitz@ees.hokudai.ac.jp
	Professor	WATANABE Teiji	twata@ees.hokudai.ac.jp
	Professor	Ralf GREVE	greve@lowtem.hokudai.ac.jp
	Associate Professor	TOYODA Kazuhiro	kazuhiro@ees.hokudai.ac.jp
	Associate Professor	ISHIKAWA Mamoru	mishi@ees.hokudai.ac.jp
	Associate Professor	FUJII Masahiko	mfujii@ees.hokudai.ac.jp
	Associate Professor	KURASAKI Masaaki	kura@ees.hokudai.ac.jp

Division of Earth System Science

Courses	Title	Faculty	Contact email
Geochemistry	Professor	YOSHIKAWA Hisayuki	hyoshika@ees.hokudai.ac.jp
	Professor	SUGIMOTO Atsuko	atsukos@ees.hokudai.ac.jp
	Associate Professor	WATANABE Yutaka	yiyiwata@gmail.com
	Associate Professor	YAMAMOTO Masanobu	myama@ees.hokudai.ac.jp
	Associate Professor	SUZUKI Koji	kojis@ees.hokudai.ac.jp
	Associate Professor	NISHIOKA Jun	nishioka@lowtem.hokudai.ac.jp
	Associate Professor	SEKI Osamu	seki@pop.lowtem.hokudai.ac.jp
	Associate Professor	YAMASHITA Yohei	yamashiy@ees.hokudai.ac.jp
	Associate Professor	KAMEYAMA Sohiko	skameyama@ees.hokudai.ac.jp
	Assistant Professor	IRINO Tomohisa	irino@ees.hokudai.ac.jp
	Assistant Professor	MIYAZAKI Yuzo	yuzom@lowtem.hokudai.ac.jp
Atmosphere-Ocean and Climate Dynamics	Professor	KUBOKAWA Atsushi	kubok@ees.hokudai.ac.jp
	Professor	EBUCHI Naoto	ebuchi@lowtem.hokudai.ac.jp
	Professor	HASEBE Fumio	f-hasebe@ees.hokudai.ac.jp
	Professor	MITSUDERA Humio	humiom@lowtem.hokudai.ac.jp
	Professor	OHSHIMA Keiichirou	ohshima@lowtem.hokudai.ac.jp
	Professor	WATANABE Tsutomu	t-wata@lowtem.hokudai.ac.jp
	Professor	TANIMOTO Youichi	tanimoto@ees.hokudai.ac.jp
	Associate Professor	FUJIWARA Masatomo	fuji@ees.hokudai.ac.jp
	Associate Professor	AOKI Shigeru	shigeru@lowtem.hokudai.ac.jp
	Associate Professor	HORINOUCHI Takeshi	horinout@ees.hokudai.ac.jp
	Associate Professor	FUKAMACHI Yasushi	yasuf@lowtem.hokudai.ac.jp
	Associate Professor	SATO Tomonori	t_sato@ees.hokudai.ac.jp
	Associate Professor	YOSHIMORI Masakazu	myoshimo@ees.hokudai.ac.jp
	Lecturer	NAKAMURA Tomohiro	nakamura@lowtem.hokudai.ac.jp
	Assistant Professor	MIZUTA Genta	mizuta@ees.hokudai.ac.jp
	Assistant Professor	KAWASHIMA Masayuki	kawasima@lowtem.hokudai.ac.jp
	Assistant Professor	TOYOTA Takenobu	toyota@lowtem.hokudai.ac.jp
	Assistant Professor	MATSUMURA Yoshimasa	ymatsu@lowtem.hokudai.ac.jp

Academic Staff in Graduate School of Environmental Science, Hokkaido University
Doctoral Course

As of April 1, 2016

Cryosphere Science	Professor	WATANABE Tsutomu	t-wata@lowtem.hokudai.ac.jp
	Professor	Ralf GREVE	greve@lowtem.hokudai.ac.jp
	Professor	MITSUDERA Humio	humiom@lowtem.hokudai.ac.jp
	Associate Professor	ISHIKAWA Mamoru	mishi@ees.hokudai.ac.jp
	Associate Professor	SHIRAIWA Takayuki	shiraiwa@lowtem.hokudai.ac.jp
	Associate Professor	AOKI Shigeru	shigeru@lowtem.hokudai.ac.jp
	Associate Professor	SUGIYAMA Shin	sugishin@lowtem.hokudai.ac.jp
	Assistant Professor	ISHII Yoshiyuki	ishiiy@pop.lowtem.hokudai.ac.jp
	Assistant Professor	SONE Toshio	tsone@pop.lowtem.hokudai.ac.jp
	Assistant Professor	MATOBA Sumito	matoba@pop.lowtem.hokudai.ac.jp
	Assistant Professor	SHIMOYAMA Kou	k-shimo@lowtem.hokudai.ac.jp
	Assistant Professor	IIZUKA Yoshinori	iizuka@lowtem.hokudai.ac.jp
	Assistant Professor	KAWASHIMA Masayuki	kawasima@lowtem.hokudai.ac.jp
	Assistant Professor	TOYOTA Takenobu	toyota@lowtem.hokudai.ac.jp

Division of Biosphere Science

Courses	Title	Faculty	Contact email
Ecosystem Biology	Professor	HARA Toshihiko	t-hara@pop.lowtem.hokudai.ac.jp
	Professor	FUKUI Manabu	my-fukui@pop.lowtem.hokudai.ac.jp
	Associate Professor	SUMIDA Akihiro	asumida@lowtem.hokudai.ac.jp
	Associate Professor	KASAHARA Yasuhiro	y-kasaha@lowtem.hokudai.ac.jp
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