Hokkaido University Guidebook

2014-2015







Let me introduce Hokkaido University to you...

Hokkaido University was founded in 1876 as Sapporo Agricultural College, and was the nation's first institute of higher education to award bachelor's degrees. "Boys, be ambitious!" is what Dr. William S. Clark, the first Vice-Principal, was quoted as saying to his students before leaving Sapporo. This phrase is well known among Japan's youth and also serves as Hokkaido University's maxim.

Hokkaido University upholds the education and research principles of "Frontier Spirit", "Global Perspectives", "All-round Education", and "Practical Learning" which developed over our 138 year history. Currently, all our faculty members, students, and graduates make a concerted effort to transform the campus into a global base for education and research.

Improvement and Internationalization of Education

Hokkaido University nurtures internationally minded all-rounders by allowing students to acquire expertise

and personally develop independently and holistically through general, specialized, and graduate education. Based on this policy, in 2011 we implemented a drastic reform of our entrance examination system. As a result, it became possible for students in our general education classes to pursue studies in the undergraduate faculty of their choice instead of staying in a pre-determined course of study; and allowed for interaction between students as befits a comprehensive institute of higher learning. Further, in the 2013 fiscal year, Nitobe College, an undergraduate program that supports overseas study was founded. In these ways, Hokkaido University is building an advanced human resource development system that can compete in the international arena.

Internationalization of Research

Hokkaido University is strengthening the foundation of education and research by placing an increased emphasis on graduate education. At the same time, we are making our educational and research organizations more efficient by promoting further flexibility in the organizational structure of graduate schools and advancing a faculty and graduate school framework that is aimed at conducting pioneering and interdisciplinary research and education. Through such initiatives, we strive to create new research bases with interdisciplinary projects, provide lectures in foreign languages, and accept competent international students to further our development into a university open to the world and a global center for education and research.

Partnership with Society

Hokkaido University is developing a host of projects intended to enhance public awareness of the University—utilizing our five off-campus offices within and outside Japan as bases to transmit information to the public and promote exchange with local communities, improving our websites and public relations magazines, offering an Open Campus for high school students, disseminating information on entrance examinations, organizing Extension Lecture Programs, and improving Open Course Ware, in which course materials are made available to the world.

In addition, we plan to further enhance and utilize bases for joint projects and research with the Creative Research Institution and the Center for Innovation and Business Promotion as well as local communities and industries to share the fruits of our research activities and strengthen cooperation with the public.

Contributing Towards the Resolution of Global Issues

In 2026, the University will mark its 150th year. As we meet this important anniversary, we recognize anew the need to reprise our role toward society by "Contributing Towards the Resolution of Global Issues" via our "Future Strategy for the 150th Anniversary of Hokkaido University". We will strive boldly and steadily forward toward University reform based on the first fundamental principle to be made since our founding and our long-term goals.

Keizo Yamaguchi

President, Hokkaido University

02

...our philosophies are...

Frontier Spirit

Our Frontier Spirit epitomizes the ideal that both students and the academic and administrative staff should take up the challenges of their day and resolutely forge new ways ahead. It has its origins in the words "lofty ambition" uttered by Dr. W. S. Clark during the opening ceremony of the Sapporo Agricultural College. This basic philosophy has resolutely served as the foundation on which Hokkaido University has rested for more than a century.

The twenty-first century frontier spirit manifests itself in our continued expansion of research in response to shifting academic paradigms and the new challenges facing humanity. Based upon firm foundations of academic freedom, Hokkaido University aims to encourage creative research that does not segregate theory from practice, and to promote world-class research to solve problems confronting humankind. We will do so by dramatically improving our research and education functions via the flexible organization of our graduate schools and other networks.

Global Perspectives

From its very start, Sapporo Agricultural College was open to different world-views, introducing western culture, science and technology, and providing English-language lectures by foreign teachers. Ever since then, many of our graduates have played an active role overseas, and our philosophy of acquisition of global perspectives has been passed down in many different forms. Needless to say, we must cultivate a better understanding of other cultures by enriching our liberal arts education, underpinned with an awareness of our own culture. By improving communication skills in foreign languages, we can also better prepare ourselves for playing a more active role in the global arena. In order for our students and staff to acquire a global perspective and thus contribute

to the development of an international society, Hokkaido University seeks to create more opportunities for study and research abroad. We actively encourage the admission of foreign students and researchers, and promote cultural and social interchanges with people in Asia and the northern regions, and throughout the rest of the world.

All-round Education

Sapporo Agricultural College not only trained agricultural experts, but also produced graduates endowed with a rich humanity, a lofty intellect, and a broad range of knowledge. The results can be seen in the succession of outstanding thinkers and literary figures that it produced, including Kanzo Uchimura, Shigetaka Shiga, Inazo Nitobe, and Takeo Arishima. The philosophy of all-round education has been handed down at Hokkaido University through our tradition of emphasizing a liberal arts education as the cornerstone to producing graduates armed with the well-rounded acuity and deep insights they need to apply their specialized knowledge.

To further advance this philosophy, Hokkaido University seeks to promote all-round education that will cultivate a rich humanity and lofty intellect, foster a spirit of freedom and independence, and encourage students to establish an autonomous identity. We believe that such an education that produces graduates who respect human rights and have the basic abilities required to accurately respond to society's needs.

Practical Learning

Our philosophy of emphasizing practical learning acquired a dual significance in the course of the various hardships that Sapporo Agricultural College overcame to develop into today's comprehensive university: Research as the creation of universal learning that is integrated with the real world, and an emphasis not only on basic research but also on returning the fruits of our research to society by placing importance on its practical application. The botanical research conducted by Kingo Miyabe and the research on snow conducted by Ukichiro Nakaya, both carried out in the vast wilderness of Hokkaido, were outstanding examples of research on a familiar topic that lead to universal truths. Much of the research at Hokkaido University is developed in conjunction with regional industries.

Hokkaido University intends to pursue a modern emphasis on practical learning, utilizing absolute truths that are grounded in the real world. By making full use of Hokkaido's unique characteristics and expanding our collaboration with government, industry, and academia, we will give back the fruits of our research to Hokkaido, Japan, and the rest of the world. In addition, Hokkaido University aims to produce leading experts and professionals in our graduate schools, and to enrich our adult education.



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* Data Book in back pocket

... we have been honored...

Nobel Prize

Emeritus Professor Akira Suzuki, who has worked for more than 40 years at Hokkaido University after graduating, won a Nobel Prize in Chemistry in 2010. The prize motivation "palladium-catalyzed cross couplings in organic synthesis" produces a more stable, nontoxic reaction compared with other reactions, and this innovation drastically changed the methodology of organic synthetic chemistry, which serves as a foundation for manufacturing. It also makes a significant contribution to the development and mass production of products that are familiar in our daily life, such as pharmaceutical drugs, pesticides, liquid crystals, and organic light-emitting diodes. This achievement is a precise embodiment of our "practical learning."



Professor Emeritus Akira Suzuki Nobel Prize Winner Chemistry 2010

Stockholm Water Prize

The world's most prestigious award for achievements made in areas concerning water and conferred by King Carl XVI Gustaf of Sweden.

Name	Year	Title	Reason
Kubo, Takeshi	1994	School of Engineering Alumnus	Wastewater treatment and planning
Asano, Takashi	2001	Professor Emeritus	Wastewater reclamation, reuse, and recycling research

Order of Culture Prize

The prestigious Order of Culture Prize was established in 1937. This order is awarded to men and women for contributions to Japan's art, literature, or culture. The order is conferred by the Emperor of Japan in person on Culture Day on November 3 each year.

Name	Year	Title	Reason
Miyabe, Kingo	1946	Professor Emeritus	Botanical study
Suzuki, Akira	2010	Professor Emeritus	Developing a chemical tool known as palladium-catalyzed cross-couplings for organic boron compounds

Persons of Cultural Merit

The system for Persons of Cultural Merit was established in 1951 by the Law on Pensions for the Persons of Cultural Merit. The purpose is to honor persons of cultural merit by providing a special government-sponsored pension.

Name	Year	Title	Reason		
Matsumura, Shonen	1954	Professor Emeritus	Entomological study		
lto, Seiya	1959	Professor Emeritus	Phytopathological study of crop diseases and fungi		
Sakamura, Tetsu	1976	Professor Emeritus	Plant-cell study of wheat chromosome and plant-physiological study of mold		
Takahashi, Man-emon	1995	Professor Emeritus	Genetic study of rice		
Suzuki, Akira	2010	Professor Emeritus	Developing a chemical tool known as palladium-catalyzed cross-couplings for organic boron compounds		
Yamagishi, Toshio	2013	Professor Emeritus	Research on social dilemmas and trust		

The Japan Academy Prize

Name	Year	Title	Reason
Kon, Yutaka	1934*	Professor of Medicine	Research on silver reaction of cells
Kunugi, Kinjiro	1939*	Professor of Science	Research on the theory of abstract spaces *Imperial Academy Prize
Horiuchi, Juro	1940*	Professor of Science	Theoretical and experimental research on chemical kinetics
Nakaya, Ukichiro	1941*	Professor of Science	Physical investigations of snow
Kaya, Seiji	1942*	Professor of Science	Magnetic studies of ferromagnetic crystals
Suzuki, Jun	1949	Professor of Science	Studies on ultrabasic rocks and the ore-deposits accompanying them
Makino, Sajiro	1958	Professor of Science	Studies on chromosomes in animals
Fukushi, Teikichi	1958	Professor of Agriculture	Studies on insect transmission of plant virus diseases
Nagao, Seijin	1965	Professor of Agriculture	Studies on twelve linkage groups in rice
Takahashi, Man-emon	1965	Professor of Agriculture	Studies on twelve linkage groups in rice
Fujita, Kotatsu	1971	Professor of Letters	Study of early 'Pure Land Buddhism'
Ishizuka, Yoshiaki	1975	Professor Emeritus	Nutrio-physiological studies on the rice plant, and application to rice production (joint research)
Tanaka, Akira	1975	Professor of Agriculture	Nutrio-physiological studies on the rice plant, and application to rice production (joint research)
Yokoyama, Izumi	1981	Professor of Science	Structure of volcanoes as disclosed by gravity anomaly distribution
Ban, Yoshio	1984	Professor of Pharmacology	Studies of the synthesis of the indole group of alkaloids
Shikata, Eishiro	1986	Professor of Agriculture	Studies on plant viruses and viroids
Kinoshita,Toshiro	1993	Professor of Agriculture	Genetical studies on the interaction between cytoplasmic and nuclear genomes, and the application of these studies to crop breeding
Ohtsuka,Eiko	1996	Professor of Pharmacology	Synthesis and functional studies on nucleic acids: synthetic c-Ha-ras gene and related subjects (joint research)
Matsuno, Taro	1997	Professor of Environmental Earth Science	Elucidation of atmospheric dynamics in the stratosphere and mesosphere
Suzuki, Akira	2004	Professor Emeritus	Studies on the development of new synthetic reactions using palladium catalysts (joint research)
Kida, Hiroshi	2005	Professor of Veterinary Medicine	Studies on the control of influenza: mechanism of emergence of pandemic influenza virus strains in poultry, domestic animals and humans, and molecular basis of the neutralization of viral infectivity with antibodies

Honorary Degree Recipients

Recipient	Date Conferred	Title	Country
Lederle, John W.	1963.4.29	15th President, University of Massachusetts	U.S.A.
Mather, John P.	1963.4.29	14th President, University of Massachusetts	U.S.A.
Heckler, Hermann	1965.3.23	Hokkaido University foreign instructor	Germany
Kelly, Harry C.	1965.7.2	Provost, North Carolina State University	U.S.A.
Robinson, Robert	1965.7.2	Director, Shell Chemical Co., 1947 Nobel Prize in Chemistry	U.K.
Wood, Robert C.	1976.9.15	President, University of Massachusetts	U.S.A.
Bromery, Randolph W.	1976.9.15	President, University of Massachusetts, Amherst	U.S.A.
Blumel, Joseph C.	1976.9.15	4th President, Portland State University	U.S.A.
Maki, John M.	1976.9.15	Professor, University of Massachusetts	U.S.A.
Helbig, Herbert	1976.9.15	Professor Emeritus, Free University of Berlin	Germany
Dodge, Robert E.	1976.9.15	Professor, Portland State University	U.S.A.
Hessland, Ivar R.	1976.9.15	Professor, Stockholm University	Sweden
Kupchan, S. Morris	1976.9.15	Professor, University of Virginia	U.S.A.
Bloch, Konrad E.	1976.9.15	Professor, Harvard University, 1964 Nobel Prize in Physiology or Medicine	U.S.A.
Lobitz, Walter C., Jr.	1976.9.15	Professor, University of Oregon Medical School	U.S.A.
Seevers, Maurice H.	1976.9.15	Professor Emeritus, University of Michigan	U.S.A.
Emmett, Paul H.	1976.9.15	Visiting Professor, Portland State University	U.S.A.
Drake, Mack	1977.11.3	Professor, University of Massachusetts	U.S.A.
Todd, Alexander R.	1978.3.27	Professor, Cambridge University, Master of Christ's College	U.K.
Mellen, William J.	1989.7.3	Professor Emeritus, University of Massachusetts	U.S.A.
Corey, Elias J.	1990.9.3	Professor, Harvard University, 1990 Nobel Prize in Chemistry	U.S.A.
Konishi, Masakazu	1991.8.29	Professor, California Institute of Technology	U.S.A.
Bockris, John O'Mara	1991.9.19	Professor, Texas A & M University	U.S.A.
Aschoff, Jurgen W.	1993.8.27	Professor Emeritus, Max Planck Institute for Behavioral Physiology	Germany
Khorana, Har Gorbind	1993.11.11	Professor Emeritus, Massachusetts Institute of Technology, 1968 Nobel Prize in Physiology or Medicine	U.S.A.
Bern, Howard A.	1994.10.21	Professor Emeritus, University of California, Berkeley	U.S.A.
Alexander, Vera	1999.4.26	Professor, University of Alaska, Fairbanks	U.S.A.
Mori, Mamoru	2000.4.17	Director, National Museum of Emerging Science and Innovation	Japan
Lee, Ki-Jun	2000.8.7	President, Seoul National University	Republic of Korea
Scott, David K.	2001.2.7	Chancellor, University of Massachusetts, Amherst	U.S.A.
Knapp, David C.	2001.11.8	President Emeritus, University of Massachusetts	U.S.A.
Parsons, Timothy R.	2001.11.20	Professor Emeritus, University of British Columbia	Canada
Yanagimachi, Ryuzo	2002.1.22	Professor, University of Hawai'i at Manoa, John A. Burns School of Medicine	Japan
Asano, Takashi	2004.5.25	Professor Emeritus, University of California, Davis	U.S.A.
Fanger, Povl O.	2004.7.16	Professor, Technical University of Denmark	Denmark
Marshall, Barry J.	2006.3.15	Honorary Clinical Professor, University of Western Australia, 2005 Nobel Prize in Physiology or Medicine	Australia
Matsuda, Masatake	2009.3.10	Director Advisor, East Japan Railway Co., President Emeritus, Hokkaido University Federation of Alumni Association	Japan
Yunus, Muhammad	2009.9.29	Managing Director, Grameen Bank, 2006 Nobel Peace Prize	Bangladesh
Lee, Jang Moo	2011.10.17	President Emeritus, Seoul National University	Republic of Korea

...we offer a comprehensive curriculum... 20 GRADUATE SCHOOLS

12 UNDERGRADUATE SCHOOLS

Letters	Est. 4. 1950
Law	Est. 8. 1953
Economics and Business Administration	Est. 8. 1953
Education	Est. 5. 1949

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Central Libra

Research Institutes	
Institute of Low Temperature Science*	Est. 11. 1941
Research Institute for Electronic Science*	Est. 4. 1992
Institute for Genetic Medicine*	Est. 4. 2000

Research Centers

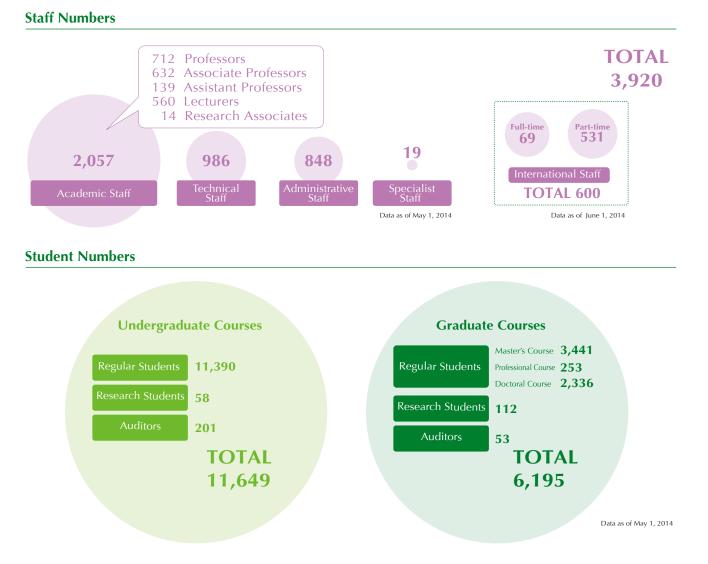
Catalysis Research Center*	Est. 5. 1989
Slavic-Eurasian Research Center*	Est. 6. 1990
Information Initiative Center*	Est. 4. 2003
Central Institute of Isotope Science	Est. 4. 1978
Hokkaido University Museum	
Research Center for Integrated Quantum Electro	on lis t. 4. 2001
Field Science Center for Northern Biosphere	Est. 4. 2001
Meme Media Laboratory	Est. 8. 1996
Research and Education Center for Brain Science	eEst. 9. 2003
Research Center for Zoonosis Control*	Est. 4. 2005
Hokkaido University Archives	Est. 5. 2005
Center for Advanced Tourism Studies	Est. 4. 2006
Center for Language Learning	Est. 4. 2007
Center for Ainu and Indigenous Studies	Est. 4. 2007

Center for Experimental Research in Social Sciences	Est. 4. 2007
Research Institute for Information Law and Policy	Est. 4. 2008
Center for Post-modern Socio-metabolic System	Est. 4. 2014
Research Center for Integrative Mathematics	Est. 4. 2008
Center for Sustainability Science	Est. 4. 2008
Center of Education and Research for Topological Science and Technology	Est. 4. 2009
Center for Environmental and Health Sciences	Est. 4. 2010
Center for Translational Research	Est. 4. 2011
Health Care Center	

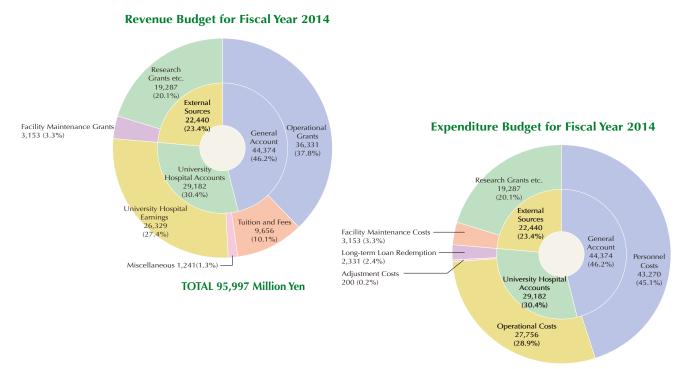
Global Institution for Collaborative Research and Education (GI-CoRE)

*Denotes joint usage research centers **Denotes joint usage educational facilities

HU at a Glance



University Revenue and Expenditure



*The accounting classifications within the inner circles and the item classifications within the outer circles do not necessarily correspond to each other.

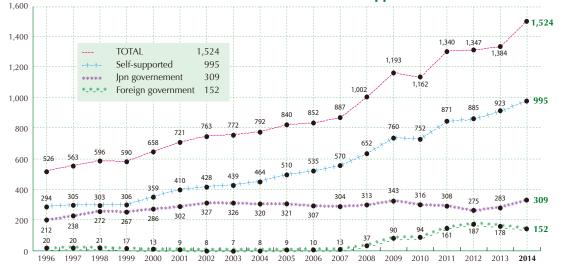


Distribution within Hokkaido University

			Graduate		Research Students	Jpn Lang & Culture Studies Prog (JLCSP)	Jpn Lang Class Students		Total Int'l Students	Total Other Int'l Students	Combined Total
Faculties	Undergraduate	Master's Course	Professional Course	Doctoral Course				Auditors			
Graduate School / Faculty of Letters	1 (1)	81(59)	-	64(42)	33(20)	-	-	58(39)	237(161)	6(3)	243(164)
Graduate School / School of Law	1 (1)	17 (9)	-	26 (9)	9 (3)	-	-	20(11)	73(33)	2(2)	75(35)
Graduate School / School of Economics and Business Administration	1 (1)	36 (23)	1	9 (6)	8 (3)	-	-	16(9)	71(42)	2(1)	73(43)
Graduate School / School of Medicine	-	7 (6)	-	19 (11)	2(1)	-	-	2(1)	30(19)	5	35(19)
Graduate School / School of Dental Medicine	1 (1)	-	-	8 (3)	1	-	-	-	10(4)	4(2)	14(6)
Graduate School / School of Veterninary Medicine	1 (1)	-	-	40 (22)	4(1)	-	-	6(6)	51(30)	1	52(30)
Graduate School of Information Science and Technology	-	35(9)	-	63(13)	6(2)	-	-	-	104(24)	6(1)	110(25)
Graduate School / Faculty / School of Fisheries Science	6 (2)	11(7)	-	24 (12)	3		-	15(8)	59(29)	1	60(29)
Graduate School / Faculty of Environmental Earth Science	-	32(14)	-	51(24)	5(2)	-	-	-	90(41)	-	90(41)
Graduate School / Faculty / School of Science	7(5)	12(3)	-	19(7)	2(1)	-	-	6(3)	46(19)	5	51(19)
Faculty / School of Pharmaceutical Sciences	-	-	-	-	2(1)	-	-	-	2(1)	1	3(1)
Graduate School / Research Faculty / School of Agriculture	3(1)	39(20)	-	68(35)	4(2)	-	-	19(11)	133(69)	4(2)	137(71)
Graduate School of Life Science /		7(0)		10/10						-	5(10)
Faculty of Advanced Life Science	-	7(3)	-	46(16)	-	-	-	-	53(19)	2	5(19)
Graduate School / Faculty / School of Education	4(3)	35(32)	-	8(3)	10(6)	-	-	7(5)	64(49)	4(2)*	68(51)*
Graduate School of Int'l Media, Communication and Tourism Studies /		10(05)		45(0)							00(55)
Research Faculty of Media and Communication	-	46(35)	-	15(6)	15(11)	-	-	2(2)	78(54)	2(1)	80(55)
Graduate School / Faculty of Health Sciences	-	4(3)	-	1	2(2)	-	-	-	7(5)	2(1)	9(6)
Graduate School / Faculty / School of Engineering	40(12)	47(13)	-	77(22)**	8(4)	-	-	34(11)	206(62)**	6(1) **	212(63)**
Graduate School of Chemical Science and Engineering	-	11(3)	-	40(12)	-	-	-	-	51(15)	2(1)	53(16)
Graduate School / Faculty of Public Policy	-	-	8(5)	-	1 (1)	-	-	1(1)	10(7)	-	10 (7)
First Year Education Division	23(6)	-	-	-	-	-	-	-	23(6)	12(4)	35(10)
SUBTOTAL	88(34)	420(239)	9(5)	578(243)	115(60)	-	-	188(108)	1,398(689)	67(21)	1,465(710)
Field Science Center of Northern Biosphere	-	-	-	-	1	-	-	-	1	-	1
Center for Advanced Tourism Studies	-	-	-	-	1	-	-	-	1	-	1
Office for International Affairs	-	-	-	-	3(1)	36(27)	16(7)	-	55(35)	1(1)	56(36)
Institute for the Advancement of Higher Education	-	-	-	-	1	-	-	-	1	-	1
SUBTOTAL	-	-	-	-	6(1)	36(27)	16(7)	-	58(35)	1(1)	59(36)
GRAND TOTAL	88(34)	420(239)	9(5)	578(243)	121(61)	36(27)	16(7)	188(108)	1,456(724)	68(22)	1,524(746)

*number includes 1 student enrolled under prior graduate organization (prior to 2007.4) **number includes 1 student enrolled under prior graduate organization (prior to 2010.4)

International Student Numbers & Methods of Financial Support 1996-2014



Data as of May 1, 2014

国際本部

Office of International Affairs

In 2010, Hokkaido University launched the Office of International Affairs (OIA) in an organizational restructuring effort designed to further promote internationalization in education and research.

The OIA is now centrally located in the Sapporo campus for easy access to information and guidance on a wide variety of issues that were previously separate in location and authority.

The OIA's overall goal is to improve the international mobility of faculty members and students, to secure outstanding students and researchers from abroad, and to encourage mobility amongst Japanese students to oveseas institutions.

http://www.oia.hokudai.ac.jp/international-affairs/office-of-international-affairs/



Office of International Affairs

International Offices and Partner Universities



... we collaborate and learn.

International Consortia			
Name	Number of Members / Countries	Туре	Joined
Consortium Japonais du College Doctoral Franco Japonais	Bilaterally 85 Institutions 33 from Japan, 52 from France	Student Exchange	September 13, 2002
International Antarctic Institute	17 Institutions from 12 Countries	Academic, Student Exchange	July 8, 2006
Canada-Japan Strategic Student Exchange Program	Bilaterally 29 Institutions 15 from Japan, 14 from Canada	Student Exchange	December 8, 2006
ProsPER.Net	21 Institutions from 11 Countries / Regions	Academic, Student Exchange	June 21, 2008
France-Japan-Vietnam Network in Singularity Theory	Trilaterally 11 Institutions 4 from Japan, 6 from Italy, 1 from Vietnam	Academic, Student Exchange	January 1, 2011
University of the Arctic	138 Institutions from 11 Countries	Academic, Student Exchange	June 8, 2011

International Symposia

Throughout the year, the University hosts a wide-variety of symposia to allow our faculty and students to interact with our counterpart universities all over the world. This active involvement allows us to strengthen our academic ties, and gives our students the opportunity to gain exposure in academia. Below are two examples of our international symposia.

Hokkaido University - Seoul National University Joint Symposium

Since 1998, Hokkaido University has held an annual joint symposium with Seoul National University on a reciprocal basis to commemorate the conclusion of an Inter-University Exchange Agreement in 1997.





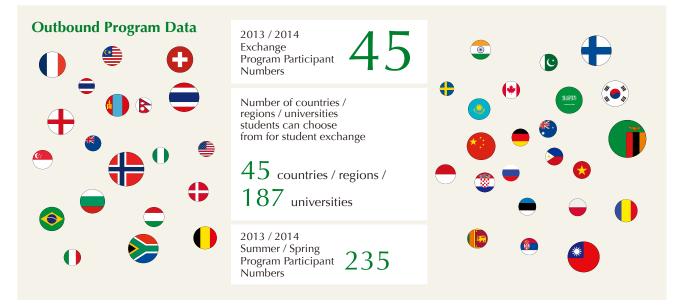
Hokkaido University - Finnish Universities Joint Symposium

This annual symposium began in 2011 and introduces the latest outcomes of joint research programs as well as international programs to train young researchers on environmental and other issues in the northern regions. It is also a forum for discussion on the continuation of joint research programs and the feasibility of research plans.





We're going places...



Nitobe College

Nitobe College, a special education program for undergraduate students enrolled in our 12 undergraduate schools, was established in 2013. Only applicants with a high level of English ability are admitted to the program. Students take 15 credits from the Nitobe College curriculum in addition to the standard University bachelor's degree. Students who complete the program receive a special diploma.

Objectives

To cultivate proud leaders who thrive in international society and possess the following skills: English proficiency as a global communication tool; team-working and problem-solving competency for the global era; and the ability to become a leader in the international community.

Overseas Study

An overseas study element is an integral part of the Nitobe experience, and Nitobe College students must spend one semester, or multiple short-term programs studying abroad. For student exchange programs with partner universities and short-term programs, there are scholarships available exclusively for Nitobe College students.

• Hokkaido University Frontier Foundation, Nitobe College Overseas Study Scholarship



Inazo Nitobe

The College is named after one of our most notable alumni, Inazo Nitobe, who was the author of the well-known book, *Bushido: the Soul of Japan*, and one of the first under-secretary generals of the League of Nations (the forerunner of the United Nations).

Unique Subjects

Practical English for Overseas Education

The objectives of this course are to acquire academic skills needed to study abroad and to improve communication skills in English.

Arts and Science Courses in English

These courses allow undergraduate students to study with international students (from countries other than Japan), and aims to encourage international and Japanese students to interact and develop mutual relationships, to become aware of different views and values, and be able to provide mutual support.

Specialized Subjects Given in English

These courses are designed to teach specialized subjects in English.

Experience-based Training (Fieldwork Seminars)

This course is designed for students in their first year and is comprised of a variety of field training activities.

Co-learning in Multicultural Classrooms

This course cultivates problem-solving skills through multicultural interaction in Japanese for international and Japanese students.

Japanese Culture and Society

These courses are designed to develop student awareness of what it means to be Japanese in the world today.

Nitobe Seminar

These seminars are designed to promote the career development and to encourage as Nitobe college students through understanding Inazo Nitobe and lectures by Nitobe Fellows.

Volunteer and Internship Experiences

These courses offer students opportunities to understand the importance of working with a strong sense of responsibility as well as to realize what issues are worth pursuing in a multicultural society.

Nitobe Fellows

Collaboration with the Hokkaido University Alumni Associations

Nitobe Fellows are alumni of the University who have reached the top of their respective professions. They provide career support and advice to Nitobe College students.

http://nitobe-college.academic.hokudai.ac.jp/en/



Student Exchange Programs (with partner universities)

Students of Hokkaido University have the chance to study abroad where there is an agreement in place with a partner university be it university-wide or inter-departmental. (In the case of inter-departmental agreements, the student must be enrolled in the department or faculty which has the agreement to be able to participate in the program.)

In these programs, the participant only has to pay student fees to Hokkaido University and there is no need to pay fees to the overseas host institution whilst abroad. In addition, any credits earned at the host institution may be transferable to the student's degree at Hokkaido University. For these programs, there are three types of scholarships available.

- 1 JASSO Student Exchange Support Scholarship (Short-term)
- 2 Hokkaido University / Nitori Overseas Exchange Scholarship
- 3 Hokkaido University Clark Memorial Foundation Scholarship

Short-term Programs (Summer Programs / Spring Programs)

Just as the name suggests, students can use their summer or spring break to take part in these short term programs hosted by some of our partner institutions.

In 2013, students went to the following countries and universities:

- U.S.A. (University of Hawai'i at Manoa, Portland State University)
- **Republic of Korea** (Chungnam National University, Chonbuk National University, Pukyong National University, Yeungnam University, Dong-eui University)
- New Zealand (The University of Auckland)
- Australia (University of New South Wales)
- Estonia (University of Tartu)
- Spain (University of Alcalá)

In these extremely enriching programs, students get to learn both language and culture in the country of their choice. From 2010, the Spring and Summer programs are part of the Foreign Language curriculum (Title : Short-term Language Study Overseas). Students who complete this program can receive credits that count toward their Hokkaido University degree upon returning home. In addition, there are scholarships available and students can also choose languages other than English or Korean if they wish.

Overseas Short-term Programs on Global Leadership

These programs, in collaboration with our sister universities and associated institutions, are designed to foster skills desirable for future global leaders. Program objectives vary depending on the specialization, historical / cultural backgrounds and availability of resources of each collaborative institution, but all students are challenged to fully experience the meaning of what a global community is by working to form contacts with local peers. Understanding and acquiring basic knowledge in population and community dynamics and in sustainable development are areas which we believe will prepare students for global society. Although the programs are primarily designed with Nitobe College students in mind as part of their required overseas studies, other students are eligible to participate depending on availability.

Below is a partial list of our international locales. Contact the Nitobe College Office for the most updated information.

- **1** Finland (University of Lapland, University of Oulu)
- 2 New Zealand (University of Auckland)
- 3 Philippines (De La Salle University)
- 4 Sri Lanka (University of Peradeniya)

- 5 Switzerland (University of Geneva)
- **6 Taiwan** (Taipei Medical University)
- 7 Thailand (Mahidol University)
- 8 U.S.A. (University of Alaska, University of Maine)

First Step Program (FSP)

The First Step Program, (aka, the Global Career Design course) in the general education requirements, is a credited two-week program comprised of three major components:

- Student exchange activities at partner institutions
- Familiarization with global business development
- Familiarization with international cooperation

The student exchange component allows participants to not only broaden their outlook of higher education as they participate in lectures at Hokkaido University's partner universities, but also hone their language and communication skills through this and the presentation they give to their counterparts in English.



Special lecture at Yale-NUS College in Singapore

The next component serves to initiate Hokkaido University students to the range of opportunity beyond the University. Contact with businesses that are active in the global arena is requisite to understanding global networks and the international community. It is during this segment that students gain insight through in-depth discussions with professionals.

The third component, international cooperation, further develops understanding of global networks and allows students the opportunity to view first-hand one of the ways that Japan is active as a member of the international community.

Hokkaido University encourages our students to "be ambitious" and FSP supports this by offering destinations in three continents; 2014-2015 will see participants in Sweden-Finland-Germany; Singapore-Vietnam; and Zambia-South Africa.



Presentation by FSP students at Finland



Welcome by students of the University of Zambia

Modern Japanese Studies Program

The Modern Japanese Studies Program (MJSP) is a four-year bachelor's degree program, preceded by a six-month Foundation Course for students without sufficient Japanese to enter the bachelor's degree program directly. MJSP gives a comprehensive education in the language and society of Japan.

The program has four main characteristics:

- •Intensive study of the Japanese language-students should be completely fluent on graduation;
- •The study of Japan in four main academic disciplines—history, cultural studies, sociology and political economy;

• Co-learning with Japanese students—students will take many classes with their Japanese peers; and • A curriculum that allows students to discover their own Japan from the unique and multicultural vantage point of Japan's northernmost island.

There are two modules to choose from: History / Culture and Society / Political Economy. One becomes the major and the other the minor. In the first two to three years, these subjects are taught in English by an international team of educators with world-class research profiles. Once students have sufficient Japanese, they may take courses in Japanese in the faculties of Law, Letters, Education, and Economics and Business Administration, too.



Program Details • Degree Title: Bachelor's Degree (Arts & Sciences)

- Program Length: 4 years (4.5 years including the Foundation Course)
- Starting Date: October (Foundation Course + Bachelor's Degree program), April (Bachelor's Degree program only)
- •Number of Students: 20 per year





Foundation from October 2014	1st year from April 2015	2nd year from April 2016	3nd year from April 2017	4th year from April 2018
Intensive Japanese language education. •Reach Japanese Language Proficiency Test level N4	Intensive Japanese language education. • Reach JLPT level N3 or N2 General education courses and introductory courses in Japanese studies.	Intensive Japanese language education. • Reach JLPT level N2 or N1 General education courses and introductory courses in Japanese studies.	Academic and business Japanese. •Reach JLPT level N1 Major/minor subjects in English and Japanese. Optional internship and/or study abroad.	Using Japanese as the main language of education. Major / minor subjects mainly in Japanese. Graduation thesis in English or Japanese.
MJSP Scholarship Program				
Enrollment and tuition fees are planned to be waived for the Foundation Course.	Enrollment and tuition fees are planned to be waived for the main four-year program.	In the second year and then selected students based on *Waivers will not be availa		fees will be waived for

Hokkaido University has a scholarship program (Modern Japanese Studies Program Scholarship Program) for students participating in the Moder Japanese Studies Program .

mjsp@oia.hokudai.ac.jp http://www.oia.hokudai.ac.jp/mjsp/

HUSTEP

The Hokkaido University Short-Term Exchange Program (HUSTEP) is designed to provide students from affiliated universities with the opportunity to study for either six months or one academic year at Hokkaido University. Participants in this program take a wide variety of courses offered in English in the fields of culture and society, environment, and science and technology. In addition, participants for the full year can pursue independent study research under the guidance of a faculty member. Students also have the chance to study the Japanese language. The program includes the opportunity to take part in numerous traditional and contemporary Japanese cultural activities. Students admitted to the program are eligible to apply for a scholarship.

rkouryu@oia.hokudai.ac.jp

http://www.oia.hokudai.ac.jp/hustep



Japanese Language and Culture Studies Program

The Japanese Language and Culture Studies Program is a 'junior year abroad' type program for undergraduates majoring in Japanese language and culture that begins in October every year and originated as a Ministry of Education, Culture, Sports, Science and Technology in Japan (MEXT) scholarship program for Japanese studies.

The program is open to Hokkaido University's inter-university partners as well as MEXT scholarship students from around the world.

The Program is the leading of its kind in Japan and has a long history of catering to different skill levels from intermediate to advanced to meet a variety of needs. Participants are immersed in language, culture, and societal studies including business Japanese that serve to deepen their understanding of Japan and improve their Japanese proficiency to enable them to interact with Japanese speakers. The program also allows for participants to make the most of their undergraduate years through an independent study component that aids in the achievement of each individual's academic goals.

rkouryu@oia.hokudai.ac.jp

http://www.oia.hokudai.ac.jp/jlcsp



5 International Student Support

We're here for you...

One of the missions of the Office of International Affairs (OIA) is to create a multicultural environment conducive to the personal and professional development for all members of the University community. Consistent with this mission, the OIA strives to provide support to international students, researchers, and faculty. The OIA specializes in providing the following services :



Psychological Support / Counseling Services

Living abroad can be very stressful. The OIA provides counseling services to international students and scholars. To meet the unique needs of international students, counseling sessions deal with a wide range of issues including psychological, interpersonal and cultural adjustment problems, career and academic concerns, and any other difficulties that international students may encounter. Psychiatric consultation is also available at the Health Care Center, which can be provided with interpretation by the OIA counselor.

Daily Life

For newly arriving international students, Student Supporters help new students get settled, including opening a bank account, moving into a dormitory, and obtaining national health insurance. Staff at the Support Desk answer any questions about day-to-day matters, and the OIA provides an orientation for international students immediately after their arrival to Japan covering what to expect in their daily lives and information to help them adjust to Japanese society. The OIA publishes handbooks for international students and scholars and regularly imparts useful information concerning academic affairs, events, and workshops as well as our bi-monthly mailouts for international students known as the OIA Bulletin News. We also assist international students and scholars with immigration-related paperwork such as the application for Certificate of Eligibility, re-entry permits, and visa extensions.





Crisis Response

Given the March 2011 disaster in the Tohoku region, the OIA recognizes the importance of crisis response and disaster preparedness. The OIA conducts a tour to the local Disaster Prevention Center as well as holds regular drills at the University dormitories. Information to help international students and researchers learn how to protect themselves and their families in case of disaster is also available.

Earthquake room

Dormitory and Guaranty System for International Students' Rental Housing

Due to the recent rapid increase in the number of international students at Hokkaido University, we have improved and expanded accommodation facilities for students and foreign researchers—singles and families — in order to better acclimatize them to living in Japan so they will be able to devote themselves to their studies and research in a short period of time.

Data from May 2014 shows that Hokkaido University provided dormitory living to 47% to all of its international students (723 of a total of 1524)—a figure much higher than other national universities of a similar scale. In addition, the OIA manages several international houses and offers a Guaranty system for international students who choose to rent accommodation privately.

Dormitories : skshien@oia.hokudai.ac.jp

Guaranty System for International Students' Rental Housing : rss@oia.hokudai.ac.jp

http://www.oia.hokudai.ac.jp/prospective-students/ accomodation /



Financial Aid

Hokkaido University offers two scholarships for excellent self-supported international students: the President's Fellowship, and the Special Grant Program for International Students.

The OIA also assists international students in applying for scholarships offered by various institutions and organizations. Additionally, the Seki Michiko Support Fund is available for international students who experience severe economic hardship due to unexpected or unfortunate events such as illness. Short-term loans are also available to international students to cover any unexpected emergencies.

Career Support

For those who plan to obtain employment in Japan after graduating, the International Student Center (ISC) offers a Business Japanese class. The OIA also maintains a strong working alliance with the Career Center in planning career workshops and providing career-related information for international students. Additionally, the Career Support Network for international student support provides employment related postings for registered students.

Holiday in Hidaka

HU international students go to Hidaka and engage in activites with the community. Held in July.

Sawakai (Tea Party)

Sawakai offers international and Japanese Hokudai students and researchers the opportunity to meet in an informal atmosphere and enjoy tea and sweets while discussing a monthly theme at the OIA.





Language Corner Several times a month, HU students pair up to speak in their non-native language in the relaxed environment of Language Corner.

... for a year that balances study and relaxation...



Entrance exam results announced

... while you explore diverse fields...

文学研究科・文学部

Graduate School of Letters / Faculty of Letters

Broadly educated faculty members of the Graduate School of Letters and the Faculty of Letters help students build well-rounded characters, and use the wealth of their professional knowledge to assist students with their studies. Our mission is to assist graduates and undergraduates in developing holistic perspectives and acquiring the sound judgment necessary to understand the meaning of the physical world. In particular, the Faculty of Letters helps undergraduates acquire effective verbal skills, including foreign language skills, and learn to comprehensively understand human nature.

http://www.let.hokudai.ac.jp/en/

Graduate School

Philosophy and Cultural Sciences

Philosophy, Ethics and Applied Ethics, Religious Studies and Indian Philosophy, Theory and History of Arts

History and Area Studies

Japanese History, Asian History, Occidental History, History and Anthropology, Northern Culture Studies, Slavic Studies*

Linguistics and Literature

Linguistics and Western Languages, Western Literature, Linguistic Sciences, Japanology, Sinology, Filmology and Cultural Studies of Representation

Human Sciences

Psychology, Behavioral Science, Sociology, Regional Sciences

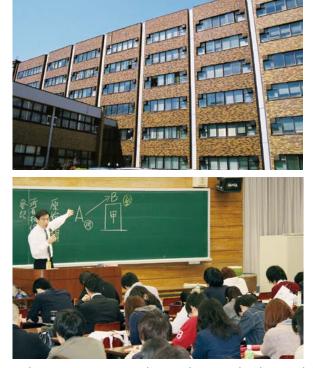
Undergraduate School

Humanities and Human Sciences

Philosophy and Cultural Sciences, History and Anthropology, Linguistics and Literature, Human Sciences



Graduate School of Law / School of Law



The mission of the Graduate School of Law is to develop the next generation of talented legal educators and academics; to develop business persons with sophisticated professional knowledge; and to nurture legal professionals with sophisticated legal knowledge and broad perspectives. The mission of the School of Law is to help undergraduates acquire the basic skills necessary to deal with complex, diverse social issues and to help them develop leadership skills based on well-rounded characters and intellectual sensibility. Both schools offer a broad and diverse range of curricula.

http://www.juris.hokudai.ac.jp/english/index.html

Graduate School

Law and Political Studies

Modern Law, Interdisciplinary Legal Studies, Political Studies, Advanced Institute for Law and Politics*

Legal Practice

Private Law, Public Law

Undergraduate School

Law Public Law, Private Law, Criminal Law, Social Law, Interdisciplinary Legal Studies, Political Studies





経済学研究科・経済学部

Graduate School of Economics and Business Administration / School of Economics and Business Administration

The mission of the Graduate School of Economics and Business Administration is to develop world-class scholars of economics and business administration and to nurture talented business professionals with extensive knowledge in economics and business administration as well as in closely related sciences. The mission of the School of Economics and Business Administration is to help undergraduates develop the leadership skills necessary to achieve innovation and ingenuity with a sense of mission and passion, and to help them achieve intellectual maturity that enables them to use professional knowledge and social ethics to deal with social issues. Both schools offer curricula that meet the needs of highly motivated students.

http://www.econ.hokudai.ac.jp/en08/

Graduate School

Modern Economics and Management

Economic Analysis, Social and Historical Economics, Economic Policy, Management Analysis

Accounting Accounting

Undergraduate School

Economics Economic Theory, Economic History, Applied Economics

Business Administration

Business Administration, Management Information





Faculties and Graduate Schools

教育学院・教育学研究院・教育学部

Graduate School of Education / Faculty of Education / School of Education





The mission of the Graduate School of Education, the Faculty of Education, and the School of Education is to develop researchers who pursue practical research to establish new education philosophies and systems and resolve wide-ranging educational issues; to develop education professionals with highly specialized academic and practical knowledge and skills; and to develop educators with well-rounded characters who can adopt innovative theories to effectively address issues concerning education.

http://www.edu.hokudai.ac.jp/index_e.html

Graduate School

Education

Pedalogical Foundations of Education, Life-long Learning, Educational Social Sciences, Educational Psychology, Clinical Psychology, Health Education, Physical Education, Multicultural Education,

Undergraduate School

Education

Psychology of Education, Social Sciences of Education, Pedagogical Foundations of Education, Science of Health and Physical Education

Faculty (Research)

Education

Human Developmental Sciences, Educational and Social Developmental Studies

国際広報メディア・観光学院・メディア・コミュニケーション研究院

Graduate School of International Media, Communication, and Tourism Studies / Research Faculty of Media and Communication

The mission of the Graduate School of International Media, Communication, and Tourism Studies and the Research Faculty of Media and Communication is to nurture researchers and business professionals who have the professional expertise in public relations, journalism, media culture, verbal communication, and tourism necessary to effectively address changes and issues in today's society and to become prominent players in the local and international arenas.

http://www.imc.hokudai.ac.jp/en/

Graduate School

International Media and Communication

Public Communication, Journalism, International Public Relations, Media and Culture, Multi-Media Studies, Language and Communication, Language Acquisition, Japanese Linguistics, International PR Strategies***

Tourism Creation

Tourism Creation, Tourism and Culture, Tourism Regional Management***

Faculty (Research)

Media and Communication

Public Communication, Journalism, International Public Relations, Media and Culture, Multi-Media Studies, Language and Communication, Language Acquisition, International Regional Culture Studies, Multicultural Education, International PR Strategies***





公共政策学教育部・公共政策学連携研究部

Graduate School of Public Policy / Faculty of Public Policy

As more people get involved in making and implementing public policies, the Graduate School of Public Policy and the Faculty of Public Policy aim to help students become versatile public policy experts. To achieve this objective, our prominent faculty members provide small-group education, and the graduate school offers three crossover programs. Students have opportunities to pursue careers serving national and local governments or as public policy professionals working in corporations, think tanks, and NPOs.

http://www.hops.hokudai.ac.jp/home-e/entop.html



Graduate School

Public Policy Public Management, International Relations, Technology Policy

Faculty (Research)

Public Policy Public Policy

医学研究科 · 医学部

Graduate School of Medicine / School of Medicine

The mission of the Graduate School of Medicine is to help graduates cultivate professional ethics and well-rounded characters, and to help them master sophisticated medical knowledge and technical skills. The mission of the School of Medicine is to help undergraduates develop the professional ethics and well-rounded characters required for medical professionals; to help them acquire sophisticated medical knowledge and skills and learn to continually improve them throughout their professional careers; and to help them learn to work with other professionals to provide advanced medical care as a team.

http://www.med.hokudai.ac.jp/index-e.html

Graduate School

Medicine

Biochemistry, Anatomy, Physiology, Pharmacology, Pathology, Microbiology, Social Medicine, Internal Medicine, Radiology and Nuclear Medicine, Surgery, Anesthesiology and Critical Care Medicine, Reconstructive Surgery and Rehabilitation Medicine, Reproductive and Developmental Medicine, Sensory Organ Medicine, Neurological Disorders, Advanced Medical Sciences, Immunology*, Pathological Oncology*, Molecular Imaging**, Chronomedicine**, Women's Health Educational System**, Translational Pathology**, Advanced Medicine for Spine and Spinal Cord Disorders**, Ocular Circulation and Metabolism**, Transplant Surgery**, Cancer Preventive Medicine**, Advanced Therapeutic Research for Sports Medicine**, Child and Adolescent Psychiatry **, Clinical Collaborative Departments***

Undergraduate School

Medicine

Introduction to Medicine, History of Medicine, Human Genetics, Anatomy and Embryology, Physiology, Biochemistry, Pharmacology, Pathology, Microbiology, Forensic Medicine and Medical Informatics, Public Health and Hygiene, Internal Medicine, Surgery, Developmental Medicine, Psychiatry and Neurology, Sensory Organ Medicine, Reconstructive Surgery and Rehabilitation, Radiology and Nuclear Medicine, Rehabilitation and Physical Medicine, Anesthesiology and Critical Care Medicine

Health Sciences

Nursing, Radiological Technology, Medical Technology, Physical Therapy, Occupational Therapy

歯学研究科・歯学部

Graduate School of Dental Medicine / School of Dental Medicine

Based on the belief that proper oral care is essential for people to maintain good health, the mission of the Graduate School of Dental Medicine and the School of Dental Medicine is to assist undergraduates and graduates in acquiring professional knowledge and technical skills in dentistry and dental care to help students become dentists and dental educators and scholars with professional ethics, well-rounded characters, and inquisitive minds. The School of Dental Medicine offers distinctive education programs such as small-group educational exercises and early hands-on clinical training to help students become well-educated and intelligent dentists. We also provide research-based training intended to help students improve their problem-solving skills.

http://www.den.hokudai.ac.jp/contents/en/



Graduate School

Oral Medical Science

Oral Functional Science, Oral Health Science, Oral Pathobiological Science, Stomatognathics,* Geriatric Oral Science***

Undergraduate School

Dentistry

Oral Anatomy, Histology and Microbiology, Oral Physiology, Biochemistry and Pharmacology, Oral Pathology, Operative Dentistry and Periodontology, Biomaterials and Prosthodontics, Oral Radiography and Medicine, Oral Anesthesia and Oral-Maxillofacial Surgery, Pedodontics, Orthodontics and Oral Gerodontology, Preventive Dentistry

獣医学研究科・獣医学部

Graduate School of Veterinary Medicine / School of Veterinary Medicine

The mission of the Graduate School of Veterinary Medicine and the School of Veterinary Medicine is to help students become veterinarians with creative minds and well-rounded characters who understand what is expected of veterinary medicine in society and have a scientific and analytic frame of mind. We also aim to cultivate students into veterinary experts who use sophisticated knowledge and technical skills in veterinary medicine to meet social needs in Japan and abroad. We offer small-group education programs so that students can acquire a broad range of professional knowledge and skills to deal with animal diseases.

http://www.vetmed.hokudai.ac.jp/en/

Graduate School

Veterinary Medicine

Biomedical Sciences, Disease Control, Veterinary Clinical Sciences, Environmental Veterinary Sciences, Applied Veterinary Sciences, Diagnostic Pathology, Zoonosis Control *

Undergraduate School

Veterinary Medicine

Faculties and Graduate Schools

Basic Veterinary Science, Pathobiological Veterinary Science, Applied Veterinary Science, Veterinary Clinical Medicine





Graduate Programs in English

In these doctoral programs, students can conduct research with English speaking professors within the fields of Biomedical Science,
Disease Control, Veterinary Clinical Science, Environmental Veterinary Science, or Applied Veterinary Science.
Fostering Global Leaders in Veterinary Science Toward Contributing to One Health
http://www.vetmed.hokudai.ac.jp/onehealth/en/
Special Training Program for Veterinary Researchers Toward Building an International Network of Veterinary Researchers
http://www.vetmed.hokudai.ac.jp/PGP/cover_page.html

薬学研究院・薬学部

Faculty of Pharmaceutical Sciences / School of Pharmaceutical Sciences and Pharmacy

The mission of the Faculty of Pharmaceutical Sciences and the School of Pharmaceutical Sciences and Pharmacy is to help students become researchers and leading pharmacists capable of discovering groundbreaking medicines and their clinical applications. We offer education and research programs on pharmaceutical sciences—comprising foundations of pharmacy, life sciences, molecular pharmaceutical sciences, and biopharmaceutical sciences.

http://www.pharm.hokudai.ac.jp/eng/english01.html

Faculty (Research)

Molecular Pharmaceutical Sciences Molecular and Cellular Biological Sciences, Chemistry and Medicinal Chemistry, Biomolecular Science**

Biopharmaceutical Sciences and Pharmacy Biopharmaceutical Sciences and Pharmacy

Undergraduate School

Pharmaceutical Sciences Pharmaceutical Sciences

Pharmacy Pharmacy





保健科学院·保健科学研究院

Graduate School of Health Sciences / Faculty of Health Sciences

The mission of the Graduate School of Health Sciences and the Faculty of Health Sciences is to develop advanced-medical-care professionals who use leading-edge knowledge and technical skills to meet social needs for advanced medical care and play a prominent role in the next generation of health sciences, and to develop researchers who can play a leading role in the global arena of health-science research beyond their fields of specialty.

http://www.hs.hokudai.ac.jp/e/index.cgi

Graduate School

Health Sciences Health Sciences, Nursing

Faculty (Research)

Health Sciences

Fundamental Nursing, Comprehensive

Developmental Nursing, Biomedical Science and Engineering, Medical Laboratory Science, Rehabilitation Science, Functioning and Disability, Health Sciences, Functional Brain Imaging,** Food & Nutrition for Health Promotion-Donated by Watanabe Oyster Lab. Co. Ltd



情報科学研究科

Graduate School of Information Science and Technology

The mission of the Graduate School of Information Science and Technology is to contribute to the evolution of a highly sophisticated information society, which leads to the emergence of a knowledge-based society. We support graduate students in studying a legacy of theories in information science and technology and pursuing new theories to become IT engineers with a broad range of knowledge and international perspective. We also aim to nurture IT researchers capable of using their creativity to conduct research and develop projects on their own.

http://www.ist.hokudai.ac.jp/eng/

Graduate School

Computer Science and Information Technology

Synergetic Information Engineering, Knowledge Software Science, Mathematical Science, Large-scale Information Systems* , Large-scale Discrete Computation***

Electronics for Informatics

Integrated Systems Engineering, Advanced Electronics, Quantum Electronics and Informatics*

Bioengineering and Bioinformatics

Bioinformatics, Bioengineering, Advanced Biofunctional Engineering*, Advanced Medical Engineering***

Media and Network Technologies

Information Media Science and Technology, Information Communication Systems, Ubiquitous Network***, Media Network Sociology***

System Science and Informatics

System Creation for System Synthesis, Informatics for System Evolution***, Informatics for System Sensing***, Informatics for Digital Human***





水産科学院・水産科学研究院・水産学部

Graduate School of Fisheries Sciences / Faculty of Fisheries Sciences / School of Fisheries Sciences

The mission of the Graduate School of Fisheries Sciences, the Faculty of Fisheries Sciences, and the School of Fisheries Sciences is to comprehensively research the sustainable reproduction and efficient use of marine and aquatic resources, which are the shared property of humanity, and to delve into the basic and advanced aspects of preserving the marine ecosystem to ensure the sustainable use of marine resources. We aim to help students develop a creative and positive frame of mind to study issues related to the global environment, natural resources and food, all of which affect the international community, local communities, and business communities.

http://www2.fish.hokudai.ac.jp/modules/top_en/

Graduate School

Marine Bioresource and Environmental Science

Marine Biology and Biodiversity, Marine Bioresource Science, Marine Environmental Science, Marine Environment and Resource Sensing, Fisheries Engineering, Interdisciplinary Sustainability Studies, Studies on Marine Bioresources Conservation and Management****

Marine Life Science

Aquaculture Biology, Aquaculture Genetics and Genomics, Marine Biotechnology and Microbiology, Marine Bioresources Chemistry, Marine Food Science and Technology, Marine Chemical Resource Development, Marine Biosafety Science and Technology ****

Undergraduate School

Marine Biology Marine Biology		
Applied Marine Science Applied Marine Science		
Aquaculture Life Science Aquaculture Life Science		
Marine Bioresources Chemistry Marine Bioresources Chemistry		

Faculty (Research)

Marine Bioresource and Environmental Science

Marine Biology and Biodiversity, Marine Bioresource Science, Marine Environmental Science, Marine Environment and Resource Sensing, Fisheries Engineering, Interdisciplinary Sustainability Studies, Studies on Marine Bioresources Conservation and Management****

Marine Life Science

Aquaculture Biology, Aquaculture Genetics and Genomics, Marine Biotechnology and Microbiology, Marine Bioresources Chemistry, Marine Food Science and Technology, Marine Chemical Resource Development, Marine Biosafety Science and Technology****







* indicates a cooperative program/chair ** indicates an endowed program/chair/laboratory ***indicates a collaborative program/chair/body **** indicates a chair / laboratory only offered between 2010-2015

環境科学院·地球環境科学研究院

Graduate School of Environmental Science / Faculty of Environmental Earth Science

The mission of the Graduate School of Environmental Science and the Faculty of Environmental Earth Science is to assist students in studying earth science, biology, and material science, and using what they learn in these fields to research global environmental issues and determine how to resolve them. We also aim to nurture researchers and professionals ready to tackle pressing global environmental issues. We accept students with outstanding scholastic abilities and take an interdisciplinary approach to educating them on environmental science. We offer diverse curricula including general theory, foundation theory, advanced study, school-wide inter-disciplinary courses, Antarctic science, and play a leading role in environmental education.

http://www.ees.hokudai.ac.jp/index.php?easiestml_lang=en

Graduate School

Environmental Science Development

Human and Ecological Systems, Environmental Adaptation Science, Practical Science for Environment, Global Environmental Management

Earth System Science

Geochemistry, Atmosphere-Ocean and Climate Dynamics, Cryosphere Science

Biosphere Science

Ecosystem Biology, Ecological Genetics, Molecular Biology, Plant Ecology, Animal Ecology, Marine Biogeochemistry and Physics, Aquatic Biology, Forest Conservation, Agro-Ecosystem Science

Environmental Materials Science

Biomaterials Chemistry, Environmental Nano-Materials, Molecular Photonics and Electronic Science, Environmental Catalytic Chemistry

Faculty (Research)

Integrated Environmental Science

Conservation on Natural Environments, Environmental Geography, Environmental Adaptation Science, Practical and Earth Sciences for Environment

Earth System Science

Biogeosystem Science, Marine and Atmospheric Geochemistry, Atmosphere-Ocean Physics, Climate Dynamics

Environmental Biology

Terrestrial Ecology, Conservation Ecology, Ecological Genetics, Environmental Molecular Biology

Materials Science

Biomaterials Chemistry, Functional Materials Chemistry, Molecular Materials Chemistry







Graduate Programs in English		
Course in Global Environmental Management (GEM)		
http://www.ees.hokudai.ac.jp/division/kigaku/modules/courses/GEM.html		
English Program of Environmental Earth Science for Sustainable Society (EPEES-SS)		
http://www.ees.hokudai.ac.jp/division/kigaku/modules/kigaku/EPEES-SS.html		

理学院・理学研究院・理学部

Graduate School of Science / Faculty of Science / School of Science

Humans have long been fascinated by how nature has evolved, and have always wanted to know how it works.

The Graduate School of Science, the Faculty of Science, and the School of Science are dedicated to academic pursuit originating from our desire to learn more about nature. Our mission is to help students develop the following academic attributes:

1. The ability to understand the true nature of an event and identify laws that govern the event (the ability to turn an idea into a universal theory and prove its validity, and the ability to model things and describe the model in a logical and sensible manner).

2. The ability to describe the outcome of academic research in a logical manner, use logic to convince others, and exercise leadership in making a social contribution.

http://www.sci.hokudai.ac.jp/english/index.html (Graduate School / School) http://www.sci.hokudai.ac.jp/faculty/en (Faculty)

Graduate School

Mathematics

Mathematics

Condensed Matter Physics Quantum Solid State Physics, Condensed-Matter Physics

Cosmosciences

Fundamental Physics, Cosmos and Planets

Natural History Sciences

Earth and Planetary Dynamics, Earth and Planetary System Science, Biodiversity, Science Communication, Seismology and Volcanology

Undergraduate School

Mathematics	Chemistry	Earth and Planetary Sciences
Mathematics	Chemistry	Earth and Planetary Sciences
Physics Physics	Biological Sciences Biology, Macromolecular Functions	

Faculty (Research)

Mathematics

Mathematics

Chemistry

Physical Chemistry, Inorganic and Analytical Chemistry, Organic and Biological Chemistry

Physics

Quantum Physics, Electronic Condensed Matter Physics, Condensed Matter Physics, Nonlinear Physics

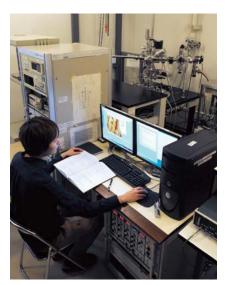
Natural History Sciences

Cosmo and Planetary Sciences, Earth and Planetary Dynamics, Earth and Planetary System Science, Biodiversity

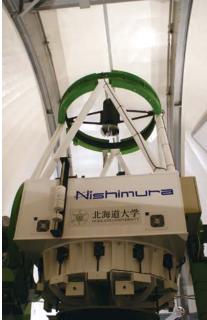
Biological Sciences Biological Sciences

Graduate Programs in English

International Graduate Program in the Natural History Sciences
This program provides Master's and PhD courses for international students who want to
study natural history at Hokkaido University.
The fields in which the Department of Natural History Sciences fall broadly into two
main categories, "Earth Sciences" and "Biodiversity and Organismal Evolution".
http://www.sci.hokudai.ac.jp/dnhs/inhs/
Master's and PhD courses in the Departments of Mathematics, Condensed Matter Physics and Cosmosciences.
rhysics and cosmosciences.
International students without sufficient Japanese proficiency can also complete these
courses.
http://www.sci.hokudai.ac.jp/english/index.html







農学院・農学研究院・農学部

Graduate School of Agriculture / Research Faculty of Agriculture / School of Agriculture

The mission of the Research Faculty of Agriculture, the Graduate School of Agriculture, and the School of Agriculture is to conduct research to create and rebuild a new system of agriculture that deals with wide-ranging food issues that face mankind around the globe. We offer education programs that cover all areas related to resolving pressing issues to ensure sustainable existence of mankind, with a goal of nurturing researchers and talented business professionals capable of make sound judgments from regional and global perspectives.

http://www.agr.hokudai.ac.jp/en/

Graduate School

Bio-systems Sustainability

Agricultural and Resource Economics, Safety and Function of Food, Biomass Conversion, Sustainable Agro-science

Agrobiology

Applied Molecular Biology, Plant Breeding Science, Botany and Agronomy, Animal Production

Applied Bioscience

Food Science, Biomolecular Chemistry

Environmental Resources

Ecology and Systematics, Regional Environment, Science of Forest Resources, Integrated Forest-Landscape Management, Bioproduction Engineering

Undergraduate School

Agrobiology and Bioresources Agrobiology and Bioresources	Forest Science Forest Science	Bioresource and Environmental Engineering
Applied Bioscience Applied Bioscience		Bioresource and Environmental Engineering
Bioscience and Chemistry Bioscience and Chemistry		Agricultural Economics Agricultural Economics

Research Faculty

Bioresources and Product Science

Botany and Agronomy, Horticultural Science and Landscape Architecture, Animal Production, Animal Product Science, Bioproduction Engineering, Agricultural Economics

Environmental Resources

Ecology and Systematics, Regional Environment, Forest Resource Science, Forest Management and Conservation

Applied Bioscience

Plant Breeding Science, Applied Molecular Biology, Bioorganic Chemistry, Molecular Bioscience, Food Science

Innovation and Cooperation

Cooperative Promotion, Integrated Research





Faculties and Graduate Schools



Special Pos	graduate Program in Biosphere Sustainability Science	
Γhis is an ir	novative master's and doctoral program that provides a unique combination of study fields such as food,	
nealth, and	environment to meet urgent needs in research and development for preservation and sustainable	
utilization o	f our limited resources.	

生命科学院

Graduate School of Life Science

Significant progress has been made in both basic and applied research in life science, using genetic information obtained from a variety of animals, including the human genome. The Graduate School of Life Science offers innovative graduate programs intended to help students acquire the knowledge and skills necessary to make meaningful contributions to the continued development of life science.

http://www.lfsci.hokudai.ac.jp/en/

Graduate School

Life Sciences

Transdisciplinary Life Science, Biosystems Science, Biomedical and Pharmaceutical Science

Clinical Pharmacy Clinical Pharmacy



Graduate Program in English
Training Program for Global Leaders in Life Sciences
This doctoral program aims to build and train world-class leaders in life sciences. Both Japanese and international students study under the
same curriculum to become leaders with a global perspective.
_http://altair.sci.hokudai.ac.jp/grad/igp/overview.html

先端生命科学研究院

Faculty of Advanced Life Science

Developments in the field of Life Science are very diverse — from basic research to applied research. This Faculty was established as a transdisciplinary institution consisting of professionals from a wide range of research fields. We not only cover areas such as biochemistry within cells or structures and functions of biological molecules, but also conduct research related with observation and analysis of various molecular functions and movements on a real-time basis. Through our education and research programs, the Faculty aims to foster the researcher as a new type of scientist who is capable to unite the existing disciplines of biology, chemistry, and physics.

The Frontier Research Center for Post-genomic Science and Technology works with corporations to conduct expansive research projects that brings research results to society.

http://altair.sci.hokudai.ac.jp/advlfsci/en/

Faculty (Research)

Advanced Transdisciplinary Sciences

X-ray Structural Biology, Protein Science, Soft & Wet Matter Science, Tissue Organization Science, Cellular Dynamics Science, Drug Discovery Research, Chemical Biology, Molecular Delivery Science (Nitto Denko Co., Ltd)***

Functional Life Sciences

Cell Biological Science, Molecular and Cellular Biology, Biological Information Analysis Science, Functional Cellular Science, Glyco-signal Biology, Embryonic and Genetic Engineering

Attached Facility

The Frontier Research Center for Post-genome Science and Technology





工学院・工学研究院・工学部

Graduate School of Engineering / Faculty of Engineering / School of Engineering

The mission of the Graduate School of Engineering, the Faculty of Engineering, and the School of Engineering is to transfer our legacy of academic accomplishments to students to help them acquire and refine basic and advanced professional disciplines in engineering. We also aim to help students acquire the wide-ranging knowledge, sound judgment, and practical skills necessary to deal with globalization as well as the advancement of science and technology.

http://www.eng.hokudai.ac.jp/english/

Graduate School

Applied Physics

Quantum Matter Physics, Complex Material Physics, Optical Science and Technology, Solid State Physics and Engineering

Materials Science and Engineering

Ecological Materials, Materials Design, Energy Materials, Energy Conversion Materials, Ironmaking and Steelmaking***, Frontier Energy Engineering***

Mechanical and Space Engineering

Space Systems Engineering, Materials and Fluid Mechanics, Space Exploration Engineering***

Human Mechanical Systems and Design

Biomechanics and Robotics, Micromechanical Systems, Biomedical Simulation***

Energy and Environmental Systems

Nuclear and Environmental Systems, Applied Energy Systems

Quantum Science and Engineering

Applied Quantum Beam Engineering, Plasma Science and Engineering, Nanomaterials Science, Materials Structure Science***, Fusion Science***

Field Engineering for the Environment

Hydraulic and Aquatic Environment Engineering, Geotechnical and Material Engineering for Disaster Prevention

Engineering and Policy for Sustainable Environment

Engineering for Sustainable Infrastructure System, Policy for Engineering and Environment

Architectural and Structural Design

Structural and Urban Safety Design, Human Settlement Design

Human Environmental Systems

Planning and Performances for Built Environment, Building Engineering and Planning

Environmental Engineering

Water Metabolic System, Environmental Management Systems

Sustainable Resources Engineering

Resources Engineering, Geoenvironmental Engineering

Undergraduate School

Applied Science and Engineering

Applied Physics and Engineering, Applied Chemistry, Materials Engineering

Electronics and Information Engineering

Computer Science and Information Technology, Electrical and Electronic Engineering, Bioengineering and Bioinformatics, Media and Network Technologies, Electric Control System

Mechanical and Intelligent System Engineering Mechanics and Information, Mechanical Systems

Socio-Environmental Engineering

Civil Engineering, Public Policy and Engineering, Architecture, Environmental Engineering, Sustainable Resources Engineering









Faculty (Research)

Applied Physics

Quantum Matter Physics, Complex Material Physics, Optical Science and Technology, Solid State Physics and Engineering

Chemical Process Engineering Industrial Organic Chemistry, Chemical Engineering

Biotechnology and Macromolecular Chemistry Biotechnology, Chemistry of Functional Molecules

Materials Chemistry Functional Materials Chemistry, Inorganic Materials Chemistry

Materials Science and Engineering Ecological Materials, Materials Design, Energy Materials

Mechanical and Space Engineering Space Systems Engineering, Materials and Fluid Mechanics

Human Mechanical Systems and Design Biomechanics and Robotics, Micromechanical Systems

Energy and Environmental Systems

Nuclear and Environmental Systems, Applied Energy Systems

Graduate Program in English

English Engineering Education Program (e³)

e³ is master's and doctoral engineering program which offers courses from almost all engineering fields in English for international and Japanese students. It assists students in the pursuit of high quality global education, supports students' initiatives, and enhances cultural exchange. e³ offers a number of scholarships for talented students. http://www.eng.hokudai.ac.jp/e3/

Quantum Science and Engineering

Applied Quantum Beam Engineering, Plasma Science and Engineering

Field Engineering for the Environment Hydraulic and Aquatic Environment Engineering, Geotechnical and Material Engineering for Disaster Prevention

Engineering and Policy for Sustainable Environment Engineering for Sustainable Infrastructure System, Policy for Engineering and Environment

Architectural and Structural Design

Structural and Urban Safety Design, Human Settlement Design

Human Environmental Systems Planning and Performances for Built Environment, Building Engineering and Planning

Environmental Engineering

Water Metabolic System, Environmental Management Systems, Eco Safe Energy**

Sustainable Resources Engineering

Resources Engineering, Geoenvironmental Engineering



* indicates a cooperative program/chair ** indicates an endowed program/chair/laboratory ***indicates a collaborative program/chair/body

総合化学院

Graduate School of Chemical Sciences and Engineering

The mission of the Graduate School of Chemical Sciences and Engineering is to develop chemical engineers and researchers capable of flexibly meeting the needs of society. To achieve this mission, we offer students common education programs on fundamental chemistry and faculty members of science and engineering departments work together to provide expansive education programs that meet student's career goals (engineers and researchers working in the corporate environment, researchers working in public institutions, and educators in higher education).

http://www.cse.hokudai.ac.jp/english/index.html

Graduate School

Chemical Sciences and Engineering

Molecular Chemistry and Engineering, Microscopic Chemical Analysis Unit, Fine Chemical Reactions Unit, Catalytic Reactions Unit, Chemical Process Engineering Unit, Materials Chemistry and Engineering, Molecular Materials Chemistry Unit, Inorganic Materials Chemistry Unit, Frontier Materials Chemistry Unit, Functional Materials Chemistry Unit, Biological Chemistry and Engineering, Biomolecular Chemistry Unit, Biofunctional Chemistry Unit, Cell Engineering Unit, Molecular Medical Biochemistry Unit



Graduate Program in English
Graduate Program in Chemistry and Materials Science This is a doctoral program known as the Advanced Graduate School for Chemistry and Materials Science. This program includes all major fields in chemistry and materials science and inter-university exchange is encouraged.
http://www.eng.hokudai.ac.jp/ags/



The Program for Leading Graduate Schools "Fostering Global Leader in Veterinary Science for Contributing to One Health" has given me-a veterinary officer from the Vietnam Department of Animal Health —an opportunity to study avian influenza as a PhD student in the professional research environment of the Laboratory of Microbiology. In my studies, I not only get to understand in-depth scientific research, but also have global partnership opportunities. Especially, I have been introduced to veterinary science for One Health by the experts in the Leading Program and other experts invited from around the world. My knowledge has gradually expanded beyond what I know as a veterinary officer and as a researcher on avian influenza. I am looking to find the most appropriate measures to minimize and control risks in my country as well as other countries in Asia for this disease that has caused serious damage to both poultry and human in many countries in the world.

Huy Duc Chu (Vietnam), 2nd yr PhD course, Graduate School of Veterinary Medicine

Graduate School of Veterinary Science

- Fostering Global Leaders in Veterinary Science Toward Contributing to One Health
- http://www.vetmed.hokudai.ac.jp/onehealth/en/

Special Training Program for Veterinary Researchers Toward Building an International Network of Veterinary Researchers http://www.vetmed.hokudai.ac.jp/PGP/cover_page.html

Graduate School of Environmental Science

Course in Global Environmental Management (GEM)

http://www.ees.hokudai.ac.jp/division/kigaku/modules/courses/GEM.html English Program of Environmental Earth Science for Sustainable Society (EPEES-SS)

http://www.ees.hokudai.ac.jp/division/kigaku/modules/kigaku/EPEES-SS.html

Graduate School of Science

International Graduate Program in the Natural History Sciences http://www.sci.hokudai.ac.jp/dnhs/inhs/

Master's and PhD courses in the Departments of Mathematics, Condensed Matter Physics, and Cosmosciences http://www.sci.hokudai.ac.jp/english/index.html

Graduate School of Agriculture

Special Postgraduate Program in Biosphere Sustainability Science http://www.agr.hokudai.ac.jp/en/gsoa/postgraduate.html

Graduate School of Life Science

Training Program for Global Leaders in Life Sciences http://altair.sci.hokudai.ac.jp/grad/igp/overview.html

Graduate School of Engineering English Engineering Education Program (e³) http://www.eng.hokudai.ac.jp/e3/

Graduate School of Chemical Science and Engineering Graduate Program in Chemistry and Materials Science http://www.eng.hokudai.ac.jp/ags/

Studying as a doctoral student in the International Graduate Program for Life Sciences (IGP), Hokkaido University; has given me the unique privilege of conducting research in the diverse field of life science. The program provides very well-equipped, modern laboratories; and offers a creative curriculum that converges different fields of science within the interdisciplinary field of life science which is something very special. Moreover, English as the learning medium really helped me to cope up in this cross-cultural environment; and I believe that the multicultural aspect of this program played an important role to prepare me for international level research by increasing my communication ability and resiliency.

Sadia Nazneen Karobi (Bangladesh), 1st yr PhD course, Graduate School of Life Science



Studying toxicology at Hokkaido University has given me lots of experience over the past two years and I am glad to be a part of the laboratory research group. The program offers distinct courses in both molecular and environmental toxicology which requires an expert training course in chemical hazards control. Collaboration/research between the toxicology lab and other institutions worldwide has been very educating. These experiences go a long way to prepare students for the concept of "one health". The professors are extremely helpful and they make studies/research easier and comfortable. It feels amazing to be a student at Hokkaido University.

Nesta Bortey-Sam (Ghana), 2nd yr PhD course, Graduate School of Veterinary Medicine





Hokkaido University is one of the best national universities in Japan. It is a great opportunity for me to be a student of this renowned university so that I can gain academic knowledge and have new experiences. Here I am doing research at the Catalysis Research Center in a well-equipped laboratory under excellent supervision. Since many international people study here, I can easily share my research thoughts with them. I also like the beautiful campus of Hokkaido University. I think anyone would enjoy studying here for the high quality research and the opportunity to meet with some talented professors. I am grateful to the Advanced Graduate School (AGS) for giving me this chance.

Ali Ayub MD (Bangladesh), 2nd yr PhD course, Graduate School of Chemical Sciences and Engineering

... and new frontiers.

低温科学研究所

Institute of Low Temperature Science

The Institute of Low Temperature Science (ILTS) was founded in 1941 as the first research institute in Japan to promote interdisciplinary studies on various natural phenomena occurring in the cryosphere. The cryosphere is of special importance to the climate and is changing rapidly. It is thus essential that we have the latest and best information available regarding ongoing changes in the cryosphere.

Water and Material Cycles

Ocean and Sea Ice Dynamics, Atmosphere-Ocean Interaction, Cloud Science Research, Atmospheric Chemistry and Organic Geochemistry, Land-Atmosphere Interaction, Meteorology / Hydrology

Frontier Ice and Snow Science

Glacier and Ice Sheet Research, Phase Transition Dynamics, Ice and Planetary Sciences, Astrophysical Chemistry, Theoretical Planetary Science

Environmental Biology

Cold Region Plant Ecology and Physiology, Plant Adaptation Biology, Microbial Ecology, Biodiversity, Biochemistry

Attached Facilities

Pan-Okhotsk Research Center: Climate Change Research, Land-Ocean Systems, International Research Promotion Office

http://www.lowtem.hokudai.ac.jp

電子科学研究所

Research Institute for Electronic Science

The Research Institute for Electronic Science (RIES) has the main objective of creating new cross-disciplinary research areas through the fusion of various research fields. It aims at creating a novel research field, 'Interdisciplinary Nano-Science' through the fusion of photonic, molecular, life and mathematical sciences.

Photonics and Optical Science

Photo-Sysytem Physics, Quantum Information Photonics, Coherent X-ray Optics

Material and Molecular Sciences

Molecular Photonics, Smart Molecules, Nanostructure Physics, Functional Thin Film Materials

Biology and Life Sciences

Ethological Dynamics, Molecular and Cellular Biophysics, Molecular Device

Mathematical and System Sciences

Complex Systems Research, Molecule & Life Nonlinear Sciences, Mathematical Modeling

Cooperative Research SANKEN Alliance, RIKEN Alliance, Social Cooperation Advisory

http://www.es.hokudai.ac.jp

遺伝子病制御研究所

Institute for Genetic Medicine

The Institute for Genetic Medicine was established in April 2000 after the Institute of Immunological Science and the Cancer Institute, School of Medicine merged. Together, we combine ninety years of experience to achieve our mission to elucidate the molecular basis of various illnesses including cancer, immune diseases, infectious diseases, and cardiovascular diseases, and to provide means for diagnosis and therapeutics for those illnesses.

Molecular Pathogenesis

RNA Biofunction, Stem Cell Biology, Signaling in Cancer and Immunology, Molecular Neuroimmunology

Pathophysiology

Cancer Biology, Molecular Virology, Molecular Oncology, Immunobiology

Disease Control

Disease Model Innovation, Immunoregulation, Molecular Interaction

http://www.igm.hokudai.ac.jp

Endowed Department Probiotics Immunology

Attached Facilities Laboratory for Animal Experiments, Center for Infection-Associated Cancer





Attached Facilities

Green Nanotechnology Research Center: Green Photonics, Nanostructured Functional Materials, Nanophotonics, Functional Nanomolecular Materials

Research Support Department

Nikon Imaging Center, Promotion Office for International Alliance, Promotion Office for Nanotechnology Collaboration





触媒化学研究センター

Catalysis Research Center

Catalytic chemistry has been in strong demand in building a sustainable society through timely response to the ever increasing requirements of environmental conservation, resources and energy. Since its founding in 1989, the Catalysis Research Center has been promoting high-level education based on advanced research and continues to be at the forefront of world-wide catalytic research.

Fundamental Research Division

Research Department Surface Structure Chemistry, Interfacial Spectrochemistry, Catalytic Reaction Chemistry, Catalytic Materials Chemistry, Molecular Catalysis Chemistry, Catalytic Transformation, Catalytic Assemblies, Theoretical Catalytic Chemistry Technological Application Division

Target Oriented Research Assembly

Research Cluster *Sustainable Catalyst *Development of Non-centrochirality as Novel Asymmetric Reactants Media, *Well-defined Surface Structures for Precise Reaction Control, *Bio-Interface, *Reaction Field Based on Molecular Assembly, *Multifunctional Green Catalysis, *Photofunctional Plasmonic Particles, *Research Cluster for Biopolymers

 \star Central Research Section \Rightarrow Extensive Research Section





http://www.cat.hokudai.ac.jp

スラブ・ユーラシア研究センター

Slavic-Eurasian Research Center

The Slavic-Eurasian Research Center's history goes back to June 24, 1953, when a team of researchers on Slavic Eurasian studies was set up at Hokkaido University. The SRC's activities and resources are open to society inside and outside Japan, allowing joint research with scholars in related areas and promoting public relations abroad concerning Japanese research activities.

The SRC plays a leading role in such umbrella organizations of academic associations and institutions as the Japan Council for Russian and East European Studies (JCREES, initiated in 1998) and the Japan Consortium for Area Studies (JCAS, initiated in 2004). The Center has concluded academic agreements with foreign institutes, including the Davis Center for Russian and Eurasian Studies, Harvard University; the Russian and Eurasian Studies Center of St. Antony's College, University of Oxford; and the Institute of East European, Russian and Central Asian Studies of the Chinese Academy of Social Sciences in Beijing.

Russian Studies Siberian and Far Eastern Studies Central Eurasian Studies East European Studies Comparative Studies





An international symposium

情報基盤センター

http://src-h.slav.hokudai.ac.jp

Information Initiative Center

The Information Initiative Center was established in April 2003 for the promotion of advanced research in the development of ICT (information and communications technology) as well as to help the University to construct and maintain its ICT infrastructures. The Center endeavors to promote educational research utilizing ICT and to support the University in carrying out its curriculum based on these developments. In addition to fundamental support to the University, the Center also plays an important role as a resource center for nationwide ICT collaboration in supercomputing and cloud computing.

Large-scale Computing Systems Information Networks Digital Contents Media Education

















アイソトープ総合センター

Central Institute for Isotope Science

Provides facilities for educational training and research on radioisotope use, controls use in the University, and conducts research and development on isotope science.

http://www.hokudai.ac.jp/radiois/

量子集積エレクトロニクス研究センター

Research Center for Integrated Quantum Electronics

Promotes research on creation of novel semiconductor nanostructures, understanding of scientific principles governing novel electronic materials, and novel devices and circuits for energy production and saving, as well as transfer of such innovative technologies to the industrial circle by R&D collaboration.

http://www.rciqe.hokudai.ac.jp/en/

北方生物圏フィルド科学センター

Field Science Center for Northern Biosphere

Conducts comprehensive research on the Northern Biosphere based on field science and provides educational and research support.

http://www.hokudai.ac.jp/fsc/

知識メディア・ラボラトリー

Meme Media Laboratory

Promotes R&D of new information and knowledge media technologies for the distribution and re-editing of knowledge resources, and conducts IT research that will form innovative technological seeds for future business and industry.

http://www.meme.hokudai.ac.jp

人獣共通感染症リサーチセンター

Research Center for Zoonosis Control

Establishes effective strategies for prediction, prevention, and control of zoonotic diseases, and conducts global surveillance to identify natural host animals and transmission routes of pathogens.

http://www.czc.hokudai.ac.jp/en/index.html

観光学高等研究センター

Center for Advanced Tourism Studies

Conducts advanced research on tourism innovation and collaboration, and also provides facilities for the promotion of trans-disciplinary research on tourism studies.

http://www.cats.hokudai.ac.jp/

アイヌ・先住民研究センター

Center for Ainu and Indigenous Studies

Cooperates with Ainu people to promote interdisciplinary research and education on indigenous peoples and builds a network with similar institutions in the world and indigenous organizations.

http://www.cais.hokudai.ac.jp/english/



社会科学実験研究センター

Center for Experimental Research in Social Sciences

Advances experimental studies in the social sciences, develops and promotes young social scientists, and expands research activities internationally.

http://lynx.let.hokudai.ac.jp/cerss/en/





情報法政策学研究センター

Research Institute for Information Law and Policy

Develops a theoretical framework for Information Law and Policy focusing on the governing process of policy making in the market, the legislature, the administration, and the judiciary, and applies it to various areas where information regulations are called into question, such as intellectual property law.

http://www.juris.hokudai.ac.jp/riilp-en/

次世代都市代謝教育研究センター

Research Center for Post-modern Socio-metabolic System

Makes a new science platform based on water resources, materials and energy and conducts advanced research on the socio-metabolic system for a future low-carbon and recycling society. The Center also provides educational programs, international seminars, and workshops to foster young researchers.

http://www.eng.hokudai.ac.jp/nanobio/eg/

数学連携研究センター

Research Center for Integrative Mathematics

Transcends boundaries of different scientific disciplines with mathematics as a common language to solve mathematical problems in other research fields.

http://web.math.sci.hokudai.ac.jp/center/en/

トポロジー理工学教育研究センター

Center of Education and Research for Topological Science and Technolog

Researches and educates on topics related to topological science such as science, technology, medicine, and economics.

http://www.topo.hokudai.ac.jp/en/index.html





環境健康科学研究教育センター

Center for Environmental and Health Sciences

Conducts large-scale epidemiological research projects on environmental and health sciences, the results of which are presented nationally and internationally. Educates individuals to develop research in the field of environmental and health sciences, and promotes closer links between domestic and foreign research groups and organizations. http://www.cehs.hokudai.ac.jp/en/

探索医療教育研究センター

Center for Translational Research

Plays a central role in promoting translational research in life sciences to facilitate the commercialization of results of basic research projects, works closely with six other TR bases, and develops support staff for translational research.

http://www.ctr.hokudai.ac.jp/cms/cgi-bin/index.pl?page=index&view_category_lang=2 N.B. Some websites may only be available in the Japanese language.





Center plaque at Science bldgs. 3, 4 written by former University President Hiroshi Saeki

Geometry

Cosmology





脳科学研究教育センター

Research and Education Center for Brain Science

Provides graduate students with programs on Brain Science through the study of differentiations in brain functions, cognition, and behavior within critical periods, and aims to develop global brain researchers as well as new research fields by creating an environment that integrates intellectual disciplines such as arts and sciences.

http://www.hokudai.ac.jp/recbs/

外国語教育センター

Center for Language Learning

Provides foreign language as well as language-related courses to students who seek to acquire or improve their skills in foreign languages. It also develops multimedia online resources which facilitate language learning and provide in-depth language practice.

http://www.imc.hokudai.ac.jp/lang/

サステナビリティ学教育研究センター

Center for Sustainability Science (CENSUS)

Develops trans-disciplinary educational programs to introduce students, faculty and local communities to basic sustainability concepts.

http://www.census.hokudai.ac.jp/

Coastal setnet at Nomura Fisheries, Field trip in Usujiri, Hakodate

国際連携研究教育局

Global Institution for Collaborative Research and Education (GI-CoRE)

The Global Institution for Collaborative Research and Education (GI-CoRE) was formed as a faculty organization under the direct control of the President that brings together world-class teaching staff from around the world to conduct collaborative research with University scholars. Aims include promotion and support of international collaborative research and promotion of education that leverages the University's strengths and distinctive features.

http://gi-core.oia.hokudai.ac.jp/main/

量子医理工学グローバルステーション

Global Station for Quantum Medical Science and Engineering

The Global Station for Quantum Medical Science and Engineering facilitates innovative collaborative studies in radiation oncology, radiation biology and medical physics, serving as a research hub conducting world-leading research in collaboration with the Radiation Oncology Department of Stanford University School of Medicine.

http://gi-core.oia.hokudai.ac.jp/gsq/

人獣共通感染症グローバルステーション

Global Station for Zoonosis Control

The Global Station for Zoonosis Control is located at the Research Center for Zoonosis Control. Together with scientists from three partner universities, it has organized the Consortium for the Control of Zoonoses to strengthen basic and applied studies on molecular biology, immunology, and bioinformatics toward vaccine and drug development against zoonoses.

http://gi-core.oia.hokudai.ac.jp/gsz/





Educational Programs

One Health: Hokaido Unversity Leading Graduate School Veterinary Science for One Health

The Program for Leading Graduate Schools "Fostering Global Leaders in Veterinary Science for Contributing to One Health" was selected in 2011 by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) to foster graduates capable of managing control measures against zoonoses and/or hazardous chemicals.

Program for Leading Graduate Schools

"Ambitious Leader" Educational Program for the Development at the Frontiers of Materials Science.

This program, funded by the Japan Society for the Promotion of Science, and headed by Professor Kei Murakoshi of the Graduate School of Chemical Sciences and Engineering, collaborates with educational institutions and organizations internationally and within Japan in the field of materials science.

Research Programs

Creation of Innovation Centers for Advanced Interdisciplinary Research Areas Program: The Matching Program for Innovations in Future Drug Discovery and Medical Care at Hokkaido Unviersity

A 10-year long (July 2006 – March 2016) program funded by MEXT under the "Project for Developing Innovation Systems." This program executed by the President of Hokkaido University as administrator engages researchers from several graduate schools and research institutes in close cooperation with Shionogi & Co., Ltd., Hitachi, Ltd., Sumitomo Bakelite Co., Ltd., Nihon Medi-Physics Co., Ltd., and Mitsubishi Heavy Industries, Ltd.

All Hokkaido Translational Research Project for Advanced Medicine

Set up in 2012 by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) the "Translational Research Network Program" established with "All Hokkaido Translational Research Project for Advanced Medicine" with the aim to facilitate the practical application of newly developed medicines, medical equipment, and in vitro diagnostic agents (this type of research support is termed translational research).

Research Activities

Joint Usage / Research Center						
Year	Research Institute	Field	Joint Usage / Research Center			
2010~2015	Institute of Low Temperature Science	Low Temperature Science	Joint Usage / Research Center for Low Temperature Science			
	Institute for Genetic Medicine	Basic Medical Sciences	Joint Usage / Research Center for Infection-Associated Cancers Caused by Sustained Infection with Bacteria and Virus			
	Catalysis Research Center	Catalysis, Sustainable Catalytic Engineering	Joint Usage / Research Center for Catalysis			
	Slavic-Eurasian Research Center	Area Studies	Center for Slavic Eurasian Area Studies			
	Research Center for Zoonosis Control	Zoonosis	Research Center for Zoonosis Control			
	Research Institute for Electronic Science	Materials and Devices Science	Network Joint Research Center for Materials and Devices			
	Information Initiative Center	Computational Science, Computer Science	Joint Usage / Research Center for Interdisciplinary Large-Scale Information Infrastructures			

Grants-in-Aid, Joint Research, etc.						
			Fiscal 2013			
Sources	Number of Projects	Amounts (Thousand Yen)				
Grant-in-Aid for Scientific Research	866		4,077,013			
Grant-in-Aid for the Academic Research Promotion Foundation	1,302		2,273,363			
Grant-in-Aid for Scientific Research by the Ministry of Health, Labour and Welfare	19		493,072			
Joint Research	479		1,041,541			
Commissioned Research	455		4,248,818			
Other Grants-in-Aid (Competitive Funds)	36		2,703,265			
Research Grants	_		1,800,776			
Endowments for Research	4,890		2,388,489			

創成研究機構

Creative Research Institution (CRIS)

The Creative Research Institution (CRIS) is a University-wide organization dedicated to promotion and support for priority research programs based on HU's strategic research policy. It also strives to create new academic disciplines and advance cutting-edge science and technology based on the development of exceptional human resources who will contribute to the promotion of these aims.

Research Department

The Research Department is dedicated to creating new priority research themes based on HU's strategic research policy, fostering young researchers, and extending support to basic research programs for industry-academia collaboration.

Equipment Management Center

The Equipment Management Center maintains, manages, and operates laboratory equipment and facilities for shared use by HU faculty members, students, and others. It also promotes the use of University laboratory equipment and facilities among faculty members, students, and others as well as non-HU researchers and engineers in science and technology. The Center is also responsible for matters concerning sample analysis.

Research Support Office

This campus-wide unit provides support for a range of activities, including research collaboration for the creation of new priority research themes based on HU's strategic research policy, project proposals toward the acquisition of new research funds, and coordination with funding agencies and other collaborating organizations.

Office for the Promotion of Future Drug Discovery and Medical Care Innovation

This Office supports and promotes activities involving researchers, private businesses, and relevant government ministries and agencies to advance the 'Matching Program for Innovations in Future Drug Discovery and Medical Care' at Hokkaido University.

Center for Promotion of Platform for Research on Biofunctional Molecules

This Center promotes project-type joint research programs based on government industry-academia collaboration. It also manages and operates North Campus Integrated Research Building No. 6 - a Platform for Research on Biofunctional Molecules (PRBM) as a hub for drug discovery and functional food development.

Green Innovation Research Promotion Center

The Center promotes research programs to support innovation in the field of environmental energy.

It also supports R&D initiatives to advance environmental

energy technologies based on government-industry-academia collaboration.

Office for the Promotion of Nanotechonology Collaborative Research

The Office supports collaboration in research in the field of nano techonology across the University as well as supports collaboration with other research institutions. In addition, the Office manages the nanotechonology research facilities and supports its use.

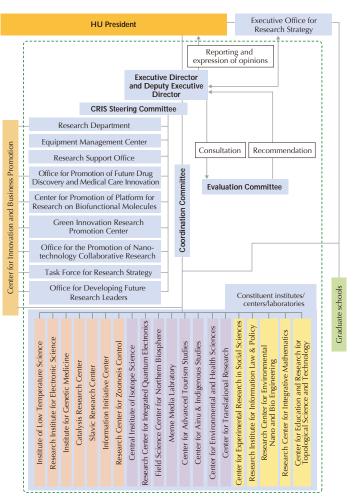
Task Force for Research Strategy

The Task Force for Research Strategy supports international research collaboration, the planning of large-scale research projects, and takes measures toward the acquisition of competitive funds.

They also cultivate research administrators based on the University's strategic research policy.

Office for Developing Future Research Leaders

This Office is dedicated to developing the research and leadership skills in young researchers to aid them in the next-generation of scientific research.



Constituent organization certified as a Joint Usage/Research Center

- Constituent organization with no specified period of operation
- Constituent organization with a specified period of operation

*The Research Center for Integrative Mathematics is managed in accordance with constituent organizations with a specified period of operation.

產学連携本部

Center for Innovation and Business Promotion

In accordance with University policies regarding university-industry-government collaboration and management of intellectual properties, this Center collaborates with a number of industries and other organizations to promote Academic-Industrial alliance. It aims at not only utilizing the research results obtained at the University for the development of industries, but also relating new knowledge obtained from society to enhancement of research activities at the University. The Center also engages in synergy oriented research programs with other academic institutions in Hokkaido as well as other versatile regional vertices / projects to promote the creation of regional innovation.

The Center is comprised of the Integrated Management Office, and the Industrial Innovation Office.

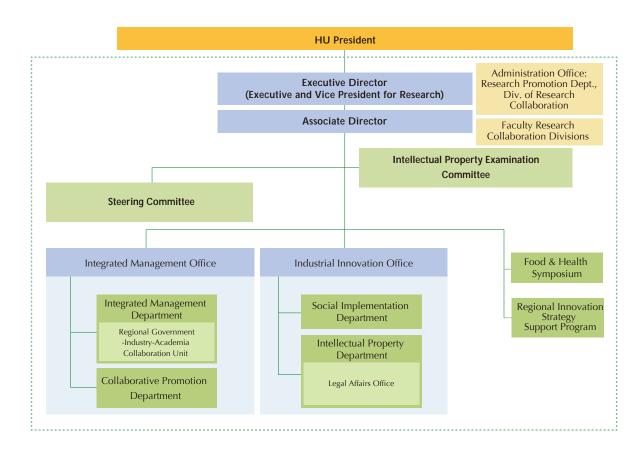
Integrated Management Office

The Integrated Management Office consists of the Integrated Management Department and Collaborative Promotion Department which supervises and coordinates various kinds of affairs for the Center for Innovation and Business Promotion. The Integrated Management Department in the Office directs the planning and acts as the liaison for innovation and business promotion; specifically, the Regional Government-Industry-Academia Collaboration Unit serves as a one-stop contact point to support not only research centers within Hokkaido, but also other support centers and financial institutions. Also the Collaborative Promotion Department promotes mutual collaboration with organizations both inside and outside Hokkaido to generate food related projects and utilize research results strategically.

Industrial Innovation Office

The Industrial Innovation Office, consisting of the Social Implementation Department and Intellectual Property Department, supervises technology transfer and intellectual property for social implementation. The Social Implementation Department is in charge of a broad range of work—from technology transfer and research collaboration to project generation and management. This Department also works for comprehensive collaboration in the area of planning for industries and public research organizations.

The Intellectual Property Department has many intellectual property experts that not only acquire intellectual property rights and commercialize them, but also foster the University's employees for intellectual property related work. Within this Department, is the Legal Affairs Office. This office is set up to support legal aspects of innovation and business promotion regarding concrete cases and contracts.



フード&メディカルイノベーション推進本部

Center for Food and Medical Innovation

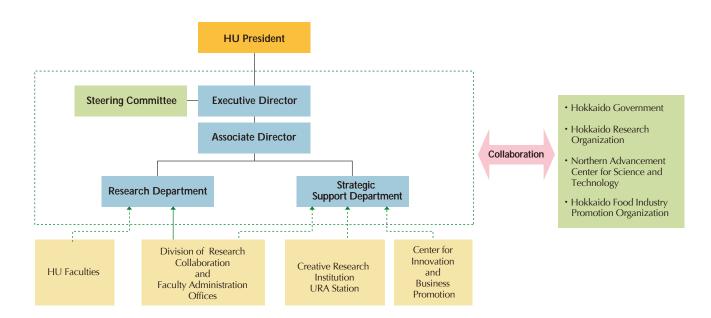
In order to realize innovative research and development for generating new industry and employment initiated through the joining of the food, health, and medical sectors, this Center will promote and support research and development projects by government-industry-academia collaboration and contribute toward innovation generation for Japan in our Global Research Hub for Food and Medical Innovation. The Center is comprised of the Research Department and the Strategic Support Department.

Research Department

Generates research and development projects for the Global Research Hub for Food and Medical Innovation.

Strategic Support Department

Supports research and development projects for the Global Research Hub for Food and Medical Innovation.



アドミッションセンター

Admission Center



Open campus

キャリアセンター



This Center provides advisory services tailored to the needs of each student in designing life plans. It also holds recruitment events, offers individual consulations, and can act as a gateway to internships and fruitful business connections.

http://www.oia.hokudai.ac.jp/current-students/career/



Career planning in Tokyo, Osaka, and Nagoya

The Hokkaido University Admission Center plays the go-between role matching students who want to study at Hokkaido University with our faculties and research institutes. The Center is responsible for conducting entrance examinations and overseeing admissions. It is open to everyone who wants to study at Hokkaido University: high school graduates, adults who want to continue their education, University students who want to go on to graduate school, and even junior high and elementary school students who wish to use our educational facilities.

http://e-apply.jp/shutsugan/c/hokudai



Business seminar



Career Center help desk





高等教育推進機構

Institute for the Advancement of Higher Education

Strengthens the educational cooperation between faculties and schools of the University, improves the educational function of the University, and promotes studies on higher education to realize higher education ideals.

General Education Division Plans, drafts, and makes adjustments to

general education.

Graduate School Education Division Plans, drafts, and makes adjustments to common subjects across the University's graduate schools, and promotes leading programs of the graduate schools.

First Year Education Division

Provides course planning and educational guidance for freshmen, manages the University's register, and promotes advanced learning.

Higher Education Research and Development Division

Consists of two research divisions: Higher Education and the Communication in Science and Technology Education and a Research Program which are involved in practical research and study concerning higher education.

Educational Support Division

Consists of the Center for Open Education, the Academic Support Center, and the Science Laboratory Support Room which supports educational activities.

保健センター

Health Care Center

The Hokkaido University Health Care Center provides medical checkups, health consultation, and primary care for non-life threatening conditions such as lacerations, burns, common colds,stomach ache, and flu to students and staff. For a complete list of services, please refer to the website.

 $\frac{http://www.oia.hokudai.ac.jp/current-students/health-and- wellness/health-care/health-care/center/$





北海道大学病院

Hokkaido University Hospital

Established in 1921, Hokkaido University Hospital provides high quality medicine, cultivates competent persons in the medical field, promotes advanced medical technology, and seeks to contribute to the health and well being of the community.

http://www.huhp.hokudai.ac.jp/english/med01.html



Proton Beam Therapy Center Treatment Room

Campus Centers

da Vinci Surgical System Si

総合博物館 Hokkaido University Museum

The Hokkaido University Museum was established in 1999. The main roles of our museum are to collect scientifically significant specimens and historical documents, to hold exhibitions based on the results of past and present research, and to offer educational programs to students and the public.

http://www.museum.hokudai.ac.jp/english/index.html





The Nipponosaurus, or "Japanese lizard", is a member of duck-billed dinosaurs from the Sakhalin Islands. Its skeleton was discovered in 1934 and named by Professor Takumi Nagao in 1936. This dinosaur, from the late Cretaceus period, is historically important because it is the first dinosaur studied and named by a Japanese scientist.

Opening Hours : June - Oct. 9:30 - 16:30 / Nov. - May 10:00 - 16:00 (closed Mondays) Admission is free.



Collections (data as March 31, 2014)							
	Japanese Books	Foreign Books	TOTAL	Journals			
Central Library	1,002,933	825,696	1,828,629	31,810			
North Library	249,158	114,170	363,328	1,740			
Collections by Department	751,625	890,541	1,642,166	48,928			
TOTAL	2,003,716	1,830,407	3,834,123	82,478			

Note: Library hours can vary depending on time of year. Please check the website for further information. Monday through Friday

8:00 - 22:00

9:00 - 20:00

8:00 - 21:30

8:00 - 21:30

8:00 - 21:30

附属図書館

University Libraries

As one of Japan's leading research libraries, the Hokkaido University libraries hold approximately 3.8 million books and journals including a unique collection of materials particularly focused on the northern region. In order to raise the level of academic communication, we continue to increase our electronic collection offerings and develop our institutional repository. With a seating capacity of around 1,300, our libraries continue to play a vital role as places of learning.

http://www.lib.hokudai.ac.jp/en/



Media Court (Central Library)

Saturday, Sunday, and Holidays

9:00 - 19:00

9:00 - 18:30

9:00 - 18:30

9:00 - 18:30

9:00 - 19:00



Northern Studies Collection

(North Library)

Library Hours

Stack rooms

Group study rooms

Open-stack reading rooms

Fourth-floor reading room

Multimedia room (North Library)

大学文書館

Hokkaido University Archives

The Hokkaido University Archives collect, organize, preserve, and share important documents pertaining to the University. Archived documents include historically valuable items such as personal diaries, lecture notes, correspondence, manuscripts, albums, and calligraphy from University affiliated students, faculty, and staff accumulated from the official history, students' reports, research documents, publications, and commemorative photos of each faculty.

The Archives investigate such documents as these and research Hokkaido University history, publish yearly reports, and hold meetings to publicize the results. The Archives also strives to keep in touch with the present-by holding exhibitions that focus on students' lives such as an exhibition on alumni that have moved to Taiwan-as it introduces the past history and historical documents of the University to a broader audience.





人材育成本部

Front Office for Human Resource Education and Development

This office consists of the S-cubic, I-HoP-Station, Tenure-Track, and FResHU offices that target the education and development of young postdoctoral researchers, PhD students, and female researchers.

S-cubic

The S-cubic office supports PhD students and post doctoral researchers as they design and develop their own career path. The office holds career seminars inviting company directors as guest lecturers for PhD students and post doctoral researchers to issue advice on bridging the gap between the educational and private sectors whilst also providing direct matchings between companies' R&D divisions with students and researchers. The office is also operating a closed web-system for students and researchers to contact companies' R&D divisions and access information for possible employment.

http://www.sci.hokudai.ac.jp/s-cubic/e/index.html

I-HoP

The Hokudai International Human Resource Development Program (I-HoP), was chartered to enhance the research capacity of the University by inviting talented PhD's and postdoc's from abroad. In order to make Hokkaido University more attractive to young foreign researchers who may not be fluent in Japanese, provision of multiple career options including work at Japanese corporation may be mutually beneficial, for researchers and Japanese industry. I-HoP provides skill development programs to lower the entry barriers to Japanese corporations and will plan a match-making mechanism between the researchers and industry laboratories. Improving and enhancing the IT infrastructure to support these activities will be included. Because I-HoP is a pioneering initiative for Hokkaido University as well as for international researchers and Japanese industry, measuring the status quo for change management and renovating mindset of all the stakeholders will be an integral part of its activities.

http://www2.synfoster.hokudai.ac.jp/cgi-bin/index.pl?view_category_lang=2

Tenure-Track

The Promotion Office for Tenure-Track plays an important role in the Hokkaido University Tenure-Track System in supporting skilled young researchers to become future leaders by advertising posts both domestically and internationally. The office also aims to standardize the Hokudai Tenure-Track System and the Tenure-Track Promotion Program throughout the divisions and the departments of Hokkaido University.

http://tenure-track.cris.hokudai.ac.jp/

FResHU

The Support Office for Female Researchers in Hokkaido University (FResHU) was established within the framework of Hokkaido University's policy to promote gender equality. Female undergraduate and graduate students, research and teaching staff alike need a learning and working environment in which their talents can develop to their full potential.

For this purpose, FResHU seeks to provide the beneficiaries of the program not only with specific guidance and mentoring, but also with sources of inspiration and role models, and by striving to induce changes in the general attitude towards women in academia.

Hokkaido University has committed itself to a 'Triple Twenties Policy': by 2020, 20% of all staff in teaching and research positions should be women. To achieve this goal, the University has devised a "positive action scheme" which incorporates substantial incentives for faculties and departments to select and appoint women. In addition, the University will reach out to young women in high school, guiding and supporting their future study choices, to address the issue of female representation in science at the grass roots level.

http://freshu.ist.hokudai.ac.jp/en/



Poster presentation at the Akai Ito Kai & Midori no Kai



Leadership workshop

サステイナブルキャンパス推進本部

Office for a Sustainable Campus

The Office for a Sustainable Campus is working hard to achieve zero emissions on campus through the use of natural and renewable energy, and help Hokkaido University play a leading role in achieving a sustainable society.

Campus Assessment Division

Devises a basic plan and an action plan; conducts a sustainability assessment of the campus; and develops participatory programs.

Environmental Impact Reduction Division

Devises an action plan; implements measures to conserve energy; and applies soft assets to environmental management of the campus.

Environmental Preservation Center

Works to reduces waste generated on campus.

http://www.osc.hokudai.ac.jp/en/



Energy saving patrol



Speakers at the Sustainable Campus International Symposium 2013

安全衛生本部

Office of Health and Safety

HU establishes structures for safety and health management in each workplace (e.g., Sapporo Campus, Hokkaido University Hospital, and the Hakodate Campus) based on the provisions of the Industrial Safety and Health Act. As the University is a conglomeration of colleges, related safety and health issues encompass a wide range of considerations, including matters arising from diverse research activities, research ethics, and bioethics that affect staff as well as students, patients, visitors and others. The Office of Health and Safety, monitors these issues and plans, devises and supervises safety and health measures from a campus-wide perspective.

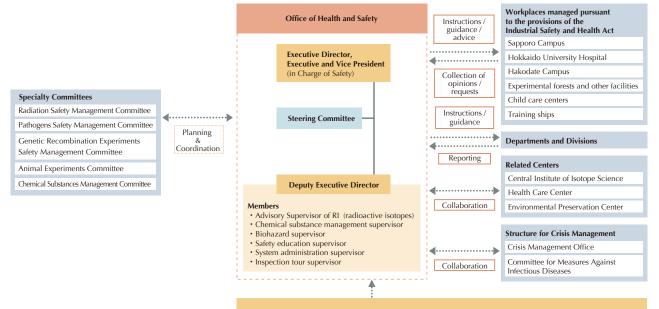
Duties and functions

- · Identification of safety and health initiatives and challenges
- · Planning and design of safety / health measures
- Supervision of matters concerning safety / health and provision of related guidance



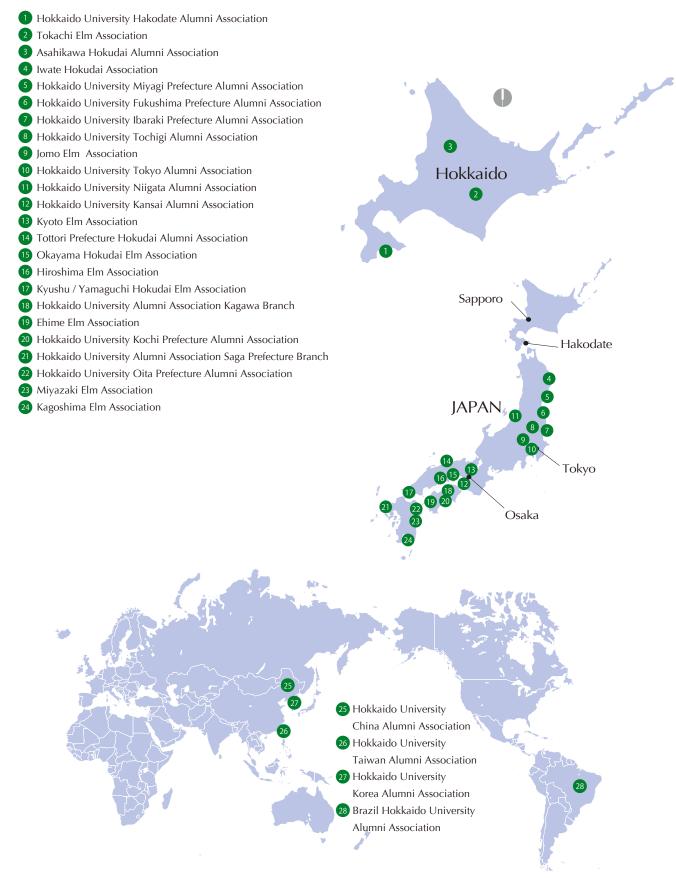
Safety inspection

Campus Offices



45 Alumni Associations

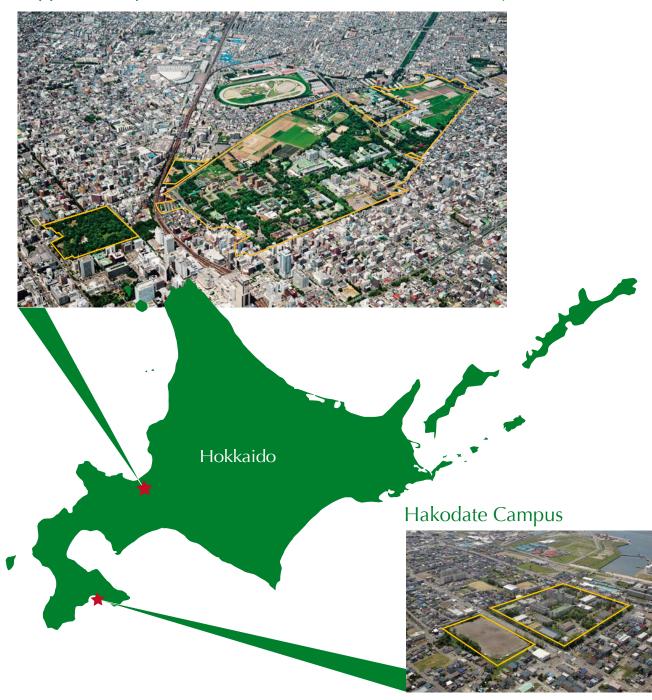
Hokudai Alumni Associations Across Japan and the World



Our alumni and staff remain a source of inspiration...

Sapporo Campus

... we are cosmopolitan, and accessible...

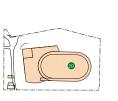


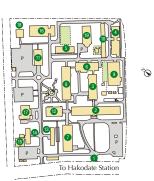
Picturesque Hakodate is home to Hokkaido University's Faculty of Fisheries Science and is located on the south-west of the island. With a population of approximately 280,000 people, the coastal city is at the base of Mount Hakodate, which boasts amazing natural beauty. The view from the summit is renowned for having one of the most beautiful views in Japan, particulary at night. Since it opened in 1935, the Hakodate Campus has had a proud history of being at the forefront of fisheries research and is one of the largest campuses of its kind in Japan.

Hakodate Campus Map

- 1 Main Gate
- 2 Main Building
- 3 Annex Building
- 4 Marine Bioresources Research Building
- 6 Marine Frontier Research Building
- 6 Marine Science Creative Research Building
- Lecture-room Building
- 8 Student Laboratories
- Ontrolled Environment Rooms
- 1 Towing Tank Room
- Auditorium

- Library
- Aquatic Biological Specimen House (Nakabe Hall)
- 14 Fisheries Museum
- (main building)
- (5) Fisheries Museum (annex)
- 10 Gymnasium
- Student Center
- Student Activities Building
- Swimming Pool
- 20 Athletic Field









Sapporo Campus Map

Administration, Planning and Offices

Administration Bureau General Affairs and Planning Dept., Finance Dept., Research Promotion Dept., Facilities Dept. Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808 2 Academic Affairs Dept. Student Support Division, Entrance Exam Division, Admission Center Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817 Tel: +81-(0)11-706-7484 Fax: +81(0)11-706-7488 ac-info@academic.hokudai.ac.jp http://www.hokudai.ac.jp/bureau/nyu/index.html **3** Front Office for Human Resource Education and Development Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808 4 Career Center Kita 8, Nishi 8, Kita-ku, Sapporo 060-0808 Office Hours: 8:30 - 18:00 (Except on Saturdays, Sundays, and national holidays) Tel: +81-(0)11-706-3262 ccadv@academic.hokudai.ac.jp **5** Center for Innovation and Business Promotion Kita 21, Nishi 11, Kita-ku, Sapporo 001-0021 G Creative Research Institution (CRIS) Kita 21, Nishi 10, Kita-ku, Sapporo 001-0021

 Division of Fund-Raising Strategy, Research Promotion Dept.
Kita 21, Nishi 10, Kita-ku, Sapporo 001-0021

Child Care Services

1 'Tomoni' Child Care Center Kita 7, Nishi 9, Kita-ku, Sapporo 060-0807 Tel: +81(0)11-706-2151

2 'Kodomo No Sono' Child Care Center Kita 11, Nishi 5, Kita-ku, Sapporo 060-0811 Tel: +81(0)11-706-4588

International Offices

Beijing Office

Yanyuan Building Room 806, Zhongguancun Beidajie No.151, Haidian, Beijing 100080 China (in the southeastern corner area of Peking University campus) Tel: +86-10-5887-6455 Fax: +86-10-5887-6456

beijing_office@hokudai.cn

http://www.hokudai.cn

Office Hours: Weekdays 10:00–17:00 (Closed on Saturdays, Sundays, and Chinese national holidays)

Seoul Office 703, 11, Teheran-ro 7-gil, Gangnam-Gu, Seoul, Korea 135-912 Tel: +82-2-501-9400 Fax: +82-2-501-9410 seouloffice@hokudai.kr

http://www.hokudai.kr

Office Hours: Weekdays 9:00–17:00 (Closed on Saturdays, Sundays, and Korean national holidays)

MAIN TEL. +81(0)11-716-2111 unless indicated, please use the main tel. number

S-cubic

I-HoP

- (3) Office of International Affairs / International Student Center Kita 15, Nishi 8, Kita-ku, Sapporo 060-0815
- Division of International Relations Tel: +81-(0)11-706-8023
 Fax: +81-(0)11-706-8036
- Division of International Academic Programs Tel: +81-(0)11-706-8053 Fax: +81-(0)11-706-8067 ryugaku@oia.hokudai.ac.jp
- Division of International Services Tel: +81-(0)11-706-8035 Fax: +81-(0)11-706-8037 dis@oia.hokudai.ac.jp
- Institute for the Advancement of Higher Education Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817
- Office of Health and Safety Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808
- Office of Internal Auditors Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808

Office for a Sustainable Campus Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808 Tel: +81(0)11-706-4530

- **18** The Hokkaido University Museum Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810
- () Information Center Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808 Tel: +81(0)11-706-4680

Experimental Station for Medicinal Plant Studies Kita 3, Nishi 8, Chuo-ku, Sapporo 060-0003 Tel: +81(0)11-221-0066

Health Related

1 Hokkaido University Hospital Kita 14, Nishi 5, Kita-ku, Sapporo 060-8648 Tel: +81(0)11-716-1161

2 Health Care Center Kita 16, Nishi 7, Kita-ku, Sapporo 060-0816

Libraries and Archives

- Central Library Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808
- **2** North Library Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817
- 3 Hokkaido University Archives Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808
 - * numbering relates to locations on page 47 map.

Helsinki Office

Fabianinkatu 26, 00100 Helsinki, P.O. Box 4, 00014, Helsinki University, Finland Tel: +358-44-757-5135

helsinki_office@oia.hokudai.ac.jp

http://www.hokudai.fi

Office Hours: Weekdays 9:00-11:00, 13:00-16.30

(Closed on Saturdays, Sundays, and Finnish national holidays)

Lusaka Office

c/o Department of Disease Control, School of Veterinary Medicine, University of Zambia (Great East Road Campus), P.O. Box 32379, Lusaka 10101, Zambia Tel: +260-974-038329 <u>lusaka_office@oia.hokudai.ac.jp</u> Office Hours: Weekdays 9:00-12:00, 13:00-16:30

(Closed on Saturdays, Sundays, and Zambian national holidays)

Contact Information 48

ihop@synfoster.hokudai.ac.jp

Tenure-Track Tel: +81(0)11-706-9181 Istation@cris.hokudai.ac.jp FResHU Tel: +81(0)11-706-3625 Fax: +81(0)11-706-3692

Front Office for Human Resource

s-cubic@synfoster.hokudai.ac.jp

Education and Development

Tel: +81(0)11-706-3275

Fax: +81(0)11-706-3584

Tel: +81(0)11-706-2157

freshu@synfoster.hokudai.ac.jp

Tokyo Office Sapia Tower 10 F, Marunouchi 1 chome 7-12, Chiyoda-ku, Tokyo 100-0005 Tel & Fax: +81-3-3211-2055 tokyo@general.hokudai.ac.jp

Office Hours: Weekdays 10:00–18:00 (Closed on Saturdays, Sundays, and Dec. 29 - Jan.3)

Osaka Alumni House

Osaka Station Dai 2 Bldg. 2nd F, Umeda 1 chome 2-2-200, Kita-ku, Osaka 530-0001 Tel & Fax: +81-6-6343-3736 (Closed on Aug. 13-16, and Dec. 29 - Jan.3)

49 Contact Information

Graduate	Schools.	Faculties.	and Schools	;

- Graduate School / Faculty of Letters Kita 10, Nishi 7, Kita-ku, Sapporo 060-0810
- 2 Graduate School / Faculty of Law Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809
- ③ Graduate School / School of Economics and Business Administration Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809
- ② Faculty / Graduate School / School of Education Kita 11, Nishi 7, Kita-ku, Sapporo 060-0811
- Graduate School of International Media, Communication, and Tourism Studies / Research Faculty of Media and Comm. Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817
- 6 Graduate School / Faculty of Public Policy Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809
- Graduate School / School of Medicine Kita 15, Nishi 7, Kita-ku, Sapporo 060-8638
- Graduate School / School of Dental Medicine Kita 13, Nishi 7, Kita-ku, Sapporo 060-8586
- ③ Graduate School / School of Veterinary Medicine Kita 18, Nishi 9, Kita-ku, Sapporo 060-0818
- Hokkaido University Veterninary Teaching Hospital Kita 19, Nishi 10, Kita-ku, Sapporo 060-0819
- Faculty of Pharmaceutical Sciences / School of Pharmaceutical Sciences and Pharmacy Kita 12, Nishi 6, Kita-ku, Sapporo 060-0812
- (2) Graduate School / Faculty of Health Sciences Kita 12, Nishi 5, Kita-ku, Sapporo 060-0812
- Graduate School of Information Science and Technology Kita 14, Nishi 9, Kita-ku, Sapporo 060-0814
 - Graduate School / School of Fisheries Sciences 3-1-1 Minato-cho, Hakodate 041-8611
- Graduate School of Environmental Science / Faculty of Environmental Earth Science Kita 10, Nishi 5, Kita-ku, Sapporo 060-0810
- Graduate School / Faculty / School of Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810
- Graduate School / Research Faculty / Faculty of Agriculture Kita 9, Nishi 9, Kita-ku, Sapporo 060-8589
- Graduate School of Life Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810
- Faculty of Advanced Life Science Kita 10, Nishi 8, Kita-ku, Sapporo 060-0810
- (B) Graduate School / Faculty / School of Engineering Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628
- Graduate School of Chemical Sciences and Engineering Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628

Research Institutes and Centers

- **1** Institute of Low Temperature Science Kita 19, Nishi 8, Kita-ku, Sapporo 060-0819 **Research Institute for Electronic Science** Kita 20, Nishi 10, Kita-ku, Sapporo 001-0020 A Institute for Genetic Medicine Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815 4 Catalysis Research Center Kita 21, Nishi 10, Kita-ku, Sapporo 001-0021 6 Slavic-Eurasian Research Center Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809 6 Information Initiative Center(North and South Bldgs.) Kita 11, Nishi 5, Kita-ku, Sapporo 060-0811 7 Central Institute of Isotope Science Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815 8 Research Center for Integrated Quantum Electronics Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628 Field Science Center for Northern Biosphere Kita 11, Nishi 10, Kita-ku, Sapporo 060-0811 Meme Media Laboratory Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628 Research Center for Zoonosis Control Kita 20, Nishi 10, Kita-ku, Sapporo 001-0020 Center for Advanced Tourism Studies Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817 (B) Center for Ainu and Indigenous Studies Kita 8, Nishi 6, Kita-ku, Sapporo 060-0808 Center for Experimental Research in Social Sciences Kita 10, Nishi 7, Kita-ku, Sapporo 060-0810 **Research Institute for Information Law and Policy** Kita 9, Nishi 7, Kita-ku, Sapporo 060-0809 Research Center for Post-modern Socio-metabolic System Kita 13, Nishi 8, Kita-ku, Sapporo 060-0828 Research Center for Integrative Mathematics Kita 12, Nishi 7, Kita-ku, Sapporo 060-0812 (B) Center of Education and Research for Topological Science and Technology Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628 Center for Environmental and Health Sciences Kita 12, Nishi 7, Kita-ku, Sapporo 060-0812 **Center for Translational Research** Kita 15, Nishi 6, Kita-ku, Sapporo 060-0815 2 Research and Education Center for Brain Science Kita 15, Nishi 7, Kita-ku, Sapporo 060-0815 22 Center for Language Learning Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817 Center for Sustainability Science (CENSUS) Kita 9, Nishi 8, Kita-ku, Sapporo 060-0809 **2** Global Institution for Collaborative Research and Education (GI-CoRE) Kita 15, Nishi 8, Kita-ku, Sapporo 060-0815 Ø Global Station for Quantum Medical Science and Engineering Kita 15, Nishi 7, Kita-ku, Sapporo 060-8648
- Global Station for Zoonosis Control Kita 20, Nishi 10, Kita-ku, Sapporo 001-0020
- Frontier Research in Applied Sciences Bldg. Kita 13, Nishi 8, Kita-ku, Sapporo 060-8628

* numbering relates to locations on page 47 map.

Accommodation

- **1** Keiteki Student Dormitory Kita 18, Nishi 13, Kita-ku, Sapporo 060-0818 Tel: +81(0)11-747-7849
 - **Sosei Student Dormitory** Kita 14, Nishi 2, Kita-ku, Sapporo 001-0014 Tel: +81(0)11-758-7934
- Poreign Scholars' Accomodation Kita 24, Nishi 12, Kita-ku, Sapporo 001-0024 Tel: +81(0)11-707-3711
- **8 Hokkaido University International House Kita 8** Kita 8, Nishi 11, Kita-ku, Sapporo 060-0808 Tel: +81(0)11-736-6211
- **(2)** Hokkaido University International House Kita 23 Kita 23, Nishi 13, Kita-ku, Sapporo 001-0023 Tel: +81(0)11-700-3455
 - Hokushin Student Dormitory / Oshoro Guest House Nakamichi 1-9-1, Hakodate 041-0853 Tel: +81(0)138-52-1160

Off-Campus Research Stations and Facilities

Usu Volcano Observatory, Institute of Seismology and Volcanology, Faculty of Science Tatsuka 142, Sobetsu-cho, Usu-gun 052-0106 Tel: +81(0)142-66-4011

Northern Forestry Research and Development Office,

Forest Research Station* Aza Tokuda 250, Nayoro 096-0071 Tel: +81(0)1654-2-4264

Teshio Experimental Forest, Northern Forestry Research and Development Office, Forest Research Station* Aza Toikanbetsu 131, Horonobe-cho, Teshio-gun 098-2943 Tel: +81(0)1632-6-5211

Nakagawa Experimental Forest, Northern Forestry Research and Development Office, Forest Research Station* Aza Otoineppu 483, Otoineppu-mura, Nakagawa-gun 098-2501 Tel: +81(0)1656-5-3216

Uryu Experimental Forest, Northern Forestry Research and Development Office, Forest Research Station* Aza Moshiri, Horokanai-cho, Uryu-gun 074-0741 Tel: +81(0)165-38-2125

Tomakomai Experimental Forest, Southern Forestry Research and Development Office, Forest Research Station* Aza Takaoka, Tomakomai 053-0035 Tel: +81(0)144-33-2171

Hiyama Experimental Forest, Southern Forestry Research and Development Office, Forest Research Station* Odome 172-1, Kaminokuni-cho, Hiyama-gun 049-0611 Tel: +81(0)139-55-2048

Wakayama Experimental Forest, Southern Forestry Research and Development Office, Forest Research Station* Hirai 559, Kozakawa-cho, Wakayama Prefecture 649-4563 Tel: +81(0)735-77-0321

Yoichi Orchard, Experimental Farm, Agro-Ecosystem Research Station* Yamada-cho, Yoichi-chome, Yoichi-gun 046-0012 Tel: +81(0)135-22-3287

Conference and Event Facilities

Conference Hall Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808 Tel: +81(0)11-706-2141 (Office)

Centennial Hall (Restaurant : Nicholas House) Kita 9, Nishi 6, Kita-ku, Sapporo 060-0809 Tel: +81(0)11-706-3211 (Office)

3 Faculty House Trillium

Kita 11, Nishi 8, Kita-ku, Sapporo 060-0811 Tel: +81(0)11-706-2394 (Office) *Reservation Tel: +81(0)11-706-2042

4 Enyuu Gakusha

Kita 18, Nishi 7, Kita-ku, Sapporo 001-0018 Tel: +81(0)11-706-7455 Clark Memorial Student Center Kita 8, Nishi 5, Kita-ku, Sapporo 060-0808 Tel: +81(0)11-706-2989

6 Student Center for Extracurricular Activities Kita 17, Nishi 12, Kita-ku, Sapporo 060-0817 Tel: +81(0)11-747-3136

7 Multimedia Education Building Kita 17, Nishi 8, Kita-ku, Sapporo 060-0817 Tel: +81(0)11-706-7500

Shizunai Livestock Farm, Agro-Ecosystem Research Station* Shizunai Misono 111, Shinhidaka-cho, Hidaka-gun 056-0141 Tel: +81(0)146-46-2021 Akkeshi Marine Station, Aquatic Research Station* Aikappu 1, Akkeshi-cho, Akkeishi-gun 088-1113 Tel: +81(0)153-52-2056 Muroran Marine Station, Aquatic Research Station* Funami-cho 1 chome 133-31, Muroran 051-0013 Tel: +81(0)143-22-2846 **Toya Lake Station, Aquatic Research Station*** Tsukiura 122, Toyako-cho, Abuta-gun 049-5723 Tel: +81(0)142-75-2651 Usuiiri Station, Aquatic Research Station* Usujiri-cho 152, Hakodate 041-1613 Tel: +81(0)138-25-3237 Nanae Fresh-Water Station, Aquatic Research Station* Sakura-cho 2 chome 9-1, Nanae-cho, Kameda-gun 041-1105 Tel: +81(0)138-65-2344 Oshoro Marine Station, Aquatic Research Station* Oshoro 1-460, Otaru 048-2561 Tel: +81(0)134-64-2303 **Otaki Seminar House** Yutoku-cho 32, Otaki-ku, Date 052-0317 Tel: +81(0)142-68-6155 Nibutani House

Aza Nibutani, Biratori-cho, Saryu-gun 055-0101 Tel: +81(0)1457-2-2789

Shari House Hon-cho 46-13, Shari-cho, Shari-gun 099-4113 Tel: +81(0)1522-3-0373

...we are Hokkaido University.







Hokkaido University Symbol Mark

The Hokkaido University symbol mark is a stylized design of a Trillium (Liliaceae (lily family), a perennial which grows wild on campus.

The design was selected in a contest in1950, and in 1996, on the 120th anniversary of the University, it was altered to its present form and was formally made the University's symbol.

The petals and sepal which make up the six directions (East, West, South, North, Heaven, and Earth) symbolize the dissemination of information from Hokkaido University to Japan and to the world.

Office of International Affairs

Kita 15, Nishi 8, Kita-ku, Sapporo, 060-0815

pr@oia.hokudai.ac.jp

http://www.oia.hokudai.ac.jp/

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