

**Academic Year 2016**  
**Graduate School of Science**  
**Hokkaido University**

**Master's Course**  
**(First Part of Doctoral Program)**

**Second Selection**

**Guidelines for Application for the**  
**Entrance Screening**

For enrollment April 2016

(Admission for International Students Residing Abroad)

**December 2015**

## **Hokkaido University's Acquisition and Use of Personal Information**

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

December 2015  
Graduate School of Science,  
Hokkaido University

## **II. Special Category for International Students**

### **1. Admission Quota**

Department	Admission Quota
	April 2016 enrollment
Mathematics	A few students
Condensed Matter Physics	
Cosmosciences	
Natural History Sciences	

### **2. Eligible Applicants**

Applicants must fulfill all of the following requirements:

- (1) Completed or are expected to complete of a 16-year overseas school education course prior to admission to the Graduate School.
- (2) Residing in an overseas country and cannot come to Japan to take the entrance examination.
- (3) Have obtained a recommendation letter attesting to the applicant's competence and scholastic performance from a prospective supervising faculty member in the Graduate School of Science who has agreed to be the applicant's supervisor after enrollment.

※ **Applicants must contact their prospective supervisor in advance, and after obtaining his/her acceptance, applicants will receive a password necessary for online application. In addition, applicants must request their prospective supervisor to make recommendation letters (discretionary format) and ask them to directly submit it to the Graduate School Educational Affairs Section during the application period .**

### **3. Application Period**

- ◆ **Online application: December 17, 2015 – 5:00 PM JST on December 22, 2015.**

Note: Applicants must scan all the application documents (see "5. Application Documents") in PDF format and send them via email by December 22 after online application.

Email address: daigakuinkyu@mail.sci.hokudai.ac.jp

- ◆ **Deadline for submission of the application documents: 5:00 PM JST on January 12, 2016.**

- Applicants must send hard copies of the application documents by mail after online application registration (the documents must be received by the deadline).

### **4. Application Procedure and Entrance Screening Fee**

Applications will be accepted from those who complete the following procedure (①–③) during "3. Application Period."

#### **① Online Application Registration**

Access the Hokkaido University Internet Application website (<http://e-apply.jp/e/hokudai-sci>) using the password received.

Note:

Applicants should have (or have access to) a printer for printing the application documents, and have an email address capable of receiving notification of registration and payment (not a mobile email address).

#### **② Payment of the Entrance Screening Fee**

Pay the entrance screening fee in accordance with the instructions provided on the payment procedures screen shown after you complete the online application registration process. Use one of the following methods to make the payment.

**Entrance Screening Fee: 30,000 yen.**

- I. Credit card.
- II. Pay-easy (bank ATM, Japan Post bank ATM, or online banking), convenience store, Japan Net Bank, or Rakuten Bank.

### III. ChinaPay (online payment service offered by China UnionPay).

Notes:

- ✓ Japanese Government (MEXT) scholarship students, students in the State-Sponsored Scholarship Program of the China Scholarship Council, and students having a Hokkaido University President's Fellowship (including those who are expected to receive these scholarships) are not required to pay the screening fee.
- ✓ The screening fee is not refundable except in the following cases:
  - The applicant has not submitted an application, or the application was rejected after the application fee was remitted.
  - The applicant paid the screening fee twice by mistake.

### ③ Submission of Application Documents

Print the application form and resume that were generated after you completed of the online application registration process and send them along with all other necessary documents (see "5. Application Documents") in an envelope, and send it by registered mail.

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

Note:

- ✓ Applications received after the application period will not be accepted, so be sure to leave enough time for postal delivery. It must be received by the deadline.
- ✓ Note that the application documents will not be returned once submitted.

## 5. Application Documents

Documents		Remarks
1	Application Form and Resume.	Print the application form and resume that were generated after completion of the online application registration process, and submit them (print on A-4 size pages).
2	Photo (for the resume)	A head-and-shoulders photograph. 4 cm (H) × 3 cm (W)
3	Official Transcript issued by the last academic institution previously attended.	An applicant can also attach recommendation letters from faculty members at academic institutions previously attended.
4	Official Certificate of Graduation or Expected Graduation issued by the last academic institution previously attended.	
5	Copy of Passport	Submit a copy of the page of your passport with your name on it.
6	Other documents that the prospective supervisor requests.	

## 6. Screening method

The Graduate School will assess applicants on the basis of their application form, resume, official transcript of the last academic institution previously attended, recommendation letter from the prospective supervisor, and all other documents submitted.

## 7. Announcement of Application Results

Successful applicants will be announced on the bulletin board on the ground floor of the Graduate School of

Science (large lobby inside north entrance to Building 2), Hokkaido University, **around 4:30 PM on February 18, 2016**. All applicants will also receive the results.

### **8. Procedures for Enrollment Registration and Fees**

All successful applicants will be notified about how to proceed with enrollment registration along with their letter of acceptance.

Enrollment Fee: 282,000 yen (estimated).

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

\* The above tuition fees are subject to revision at the time of or during your enrollment. In the event of a revision, the revised amounts are immediately applied.

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

Graduate School Educational Affairs Section  
Science and Life Science Administration Department  
Hokkaido University  
Kita-10 Nishi-8 Kita-ku, Sapporo 060-0810, Japan  
Tel: (011) 706-3677

**Graduate School of Science, Hokkaido University**

URL: <http://www.sci.hokudai.ac.jp/english/index.html>

## List of Supervisors and Research Fields

As of April 1, 2016

**Department of Mathematics, Graduate School of Science**

**Master's Course**

Fields	Supervisors		Keywords	Remarks
Algebra	Professor	Mutsumi Saito	Algebraic analysis, rings of differential operators	
	Professor	Keiji Matsumoto	Special functions	
	Professor	Hiroshi Yamashita	Representation theory	
	Specially Appointed Professor	Hiroaki Terao	Singularity theory, combinatorics	
	Associate Professor	Masanori Asakura	Arithmetic geometry	
	Associate Professor	Noriyuki Abe	Representation theory	
	Associate Professor	Youichi Shibukawa	Yang-Baxter equations and quantum groups	
	Associate Professor	Kenichiro Tanabe	Vertex algebras, algebraic combinatorics	
	Associate Professor	Daisuke Matsushita	Algebraic geometry	
	Associate Professor	Masahiko Yoshinaga	Algebraic geometry, combinatorics	
	Specially Appointed Lecturer	Simona Settepanella	Singularity theory, combinatorics	
Geometry	Assistant Professor	Kazuma Morita	Arithmetic geometry	
	Professor	Goo Ishikawa	Real algebraic geometry, singularity theory	
	Professor	Shyuichi Izumiya	Geometry, singularity theory	
	Professor	Katsunori Iwasaki	Complex geometry, dynamical systems, Painleve systems	
	Professor	Toru Ohmoto	Singularity theory, topology	
	Associate Professor	Toshiyuki Akita	Topology	
	Associate Professor	Shimpei Kobayashi	Differential geometry	
	Associate Professor	Masao Jinzenji	Mathematical physics	
	Associate Professor	Hitoshi Furuhashi	Differential geometry	
	Assistant Professor	Yutaka Kanda	Differential topology	
Analysis	Assistant Professor	Kenta Hayano	Topology	
	Professor	Hiroaki Aikawa	Potential theory, real analysis	
	Professor	Asao Arai	Mathematical physics, functional analysis	
	Professor	Hideo Takaoka	Differential equations	
	Professor	Akihito Hora	Functional analysis, probability theory	
	Associate Professor	Masaharu Kobayashi	Harmonic Analysis	
	Associate Professor	Reiji Tomatsu	Operator algebras	
	Associate Professor	Naofumi Honda	Algebraic analysis	
	Associate Professor	Tadahiro Miyao	Mathematical physics, functional analysis	
Applied Mathematics	Assistant Professor	Takahiro Hasebe	Probability theory, complex analysis, functional analysis	
	Assistant Professor	Nao Hamamukai	Nonlinear partial differential equations, Theory of viscosity solutions	
	Professor	Shin-ichiro Ei	Nonlinear analysis, nonlinear partial differential equations	
	Professor	Hideo Kubo	Partial differential equations, scattering theory	
	Professor	Shuichi Jimbo	Applied analysis, partial differential equations	
	Professor	Ichiro Tsuda	Complex systems, chaotic dynamical systems, brain theory	
	Professor	Masaharu Nagayama	Reaction-diffusion systems, mathematical modeling, numerical simulation	
	Professor	Michiko Yuri	Ergodic theory, dynamical systems, complex systems	
	Associate Professor	Zin Arai	Dynamical systems, computational topology	
	Associate Professor	Akira Sakai	Mathematical physics, probability theory	
	Associate Professor	Yuzuru Sato	Complex systems, chaotic dynamical systems	
	Associate Professor	Takao Namiki	Ergodic theory, dynamical systems, complex systems	
	Associate Professor	Kenji Matsumoto	Biophysical complex systems, chaotic dynamical systems	
	Associate Professor	Chun Biu Li	Nonequilibrium statistical mechanics, biophysics, time series analysis	
Assistant Professor	Masakazu Akiyama	Mathematical modeling, mathematical and theoretical biology, numerical calculation		
Assistant Professor	Elliott Ginder	Variational methods, free boundary problems, numerical analysis		

**Department of Condensed Matter Physics, Graduate School of Science**
**Master's**

Laboratories	Professors		Keywords	Remarks
High-Pressure Physics	Professor	Migaku Oda	High-Tc superconductivity, cuprates, scanning tunneling microscopy, scanning tunneling spectroscopy	
	Assistant Professor	Tohru Kurosawa		
	Assistant Professor	Hiroyuki Yoshida		
Electronic Properties of Low-dimensional Conductors	Specially Appointed Professor	Kazushige Nomura	Low-dimensional organic conductors, scanning tunneling microscopy (STM), scanning tunneling spectroscopy (STS), nonlinear conductivity, symmetry of Cooper pairs, spin density waves (SDWs), chiral superconductivity, mesoscopic systems	Will retire in March, 2017
	Associate Professor	Noriaki Matsunaga		
	Assistant Professor	Hiroyoshi Nobukane		
Magnetism in Strongly Correlated Electron Systems	Specially Appointed Professor	Kazuyuki Koike	Spin, nano, surface, thin films, spin-polarized scanning electron microscopy (spin SEM), spin-polarized scanning tunneling microscopy (SP-STM), spin-polarized spectroscopy, superconductivity, magnetism, heavy fermion behavior, quantum criticality, non-Fermi-liquid behavior, very low temperatures, high magnetic fields, high pressure, transport measurements, ultrasonic measurements, muSR, RXS	Will retire in March, 2016
	Associate Professor	Hideo Matsuyama		
	Professor	Hiroshi Amitsuka		
	Associate Professor	Tatsuya Yanagisawa		
	Assistant Professor	Hiroyuki Hidaka		
Low Temperature Physics	Professor	Atsushi Kawamoto	NMR, strongly correlated electron systems, superconductivity, magnetism	
	Lecturer	Yoshihiko Ihara		
Optical Science and Semiconductor Physics	Associate Professor	Tomobumi Mishina	Laser spectroscopy, THz time domain spectroscopy, femtosecond pump-probe spectroscopy	
	Assistant Professor	Sekika Yamamoto		
Laboratory of Dielectrics	Specially Appointed Professor	Akira Onodera	Complex liquids, glass transition, broadband dielectric spectroscopy, ferroelectrics, multiferroics, electronic ferroelectricity, phase transition, photoinduced cooperative phenomena	Will retire in March, 2016
	Associate Professor	Ryusuke Nozaki		
	Associate Professor	Masaki Takesada		
Condensed Matter Theory I	Professor	Koji Nemoto	Statistical physics, non-equilibrium, non-linearity, random systems, complex networks, phase transition, self-organization, critical phenomena, scale-free structures, numerical simulation	
	Assistant Professor	Koji Okuda		
Condensed Matter Theory II	Associate Professor	Takafumi Kita	Superconductivity, superfluidity, Bose-Einstein condensation	
Condensed Matter Theory III	Professor	Shoji Yamamoto	Transition-metal complexes, organic polymers, single-molecule nanomagnets, photoinduced phase transition, optically switchable magnetism, nuclear magnetic relaxation	
	Lecturer	Jun Ohara		

Laboratories	Professors		Keywords	Remarks
Nanostructure Physics (RIES)	Professor	Akira Ishibashi	Nano-structured devices, new photovoltaic devices, next-generation solar cells, clean unit system platforms	
	Associate Professor	Kenji Kondo	Quantum field theory, many-body perturbation theory, spintronics devices, magnetism, electronic correlations, Dirac electron, topological insulator	
Phase Transition (RIES)	Specially Appointed Associate Professor	Yuhji Tsujimi	Time domain light scattering, ferroelectrics, quantum ferroelectrics, glass transition, frequency domain light scattering, complex liquids, relaxor ferroelectrics	Will retire in March 2017



Laboratories	Supervisors		Keywords	Remarks
Observational Astronomy	Associate Professor	Kazuo Sorai	Observational astronomy, galactic and extragalactic astronomy, interstellar matter, star formation	
Particle Theory Group	Professor	Hisao Suzuki	Particle physics, beyond the standard model, dark matter, dark energy, grand unified theory, superstrings, supersymmetry, early universe	
	Professor	Tatsuo Kobayashi		
	Associate Professor	Ryuichi Nakayama		
	Lecturer	Kazuhiko Suehiro		
	Assistant Professor	Eun-Kyung Park		
Theoretical Nuclear Physics	Associate Professor	Masaaki Kimura	Quantum many-body problems, nuclear force, unstable nuclei, nucleosynthesis, hadronic matter	
	Assistant Professor	Wataru Horiuchi		
Theoretical Astrophysics	Professor	Asao Habe	Theoretical astronomy, numerical simulations, galaxy formation, galaxy clusters, supermassive black holes, interstellar matter, star formation, interstellar dust	
	Professor	Takashi Kozasa		
	Assistant Professor	Elizabeth Jane Tasker		
	Assistant Professor	Takashi Okamoto		
Theoretical Planetary Science	Associate Professor	Hidekazu Tanaka	Planet formation, cosmic dust, protoplanetary disks, nucleation theory	
Planetary and Space Group	Professor	Kiyoshi Kuramoto	Origin and evolution of planets and satellites, material evolution during planetary system formation, structure and dynamics of Earth and planetary atmospheres, comparative planetology, space exploration and ground-based observation, experimental studies, theory and hierarchical numerical simulation models, applications of information technology	
	Professor	Yukihiro Takahashi		
	Associate Professor	Akihiko Hashimoto		
	Associate Professor	Masaki Ishiwatari		
	Specially Appointed	Junichi Kurihara		
	Lecturer	Mitsuteru Sato		
	Assistant Professor	Masatsugu Odaka		
	Specially Appointed	Makoto Watanabe		
	Specially Appointed	Shunichi Kamata		
	Specially Appointed	Tetsuro Ihida		

Laboratories	Supervisors		Keywords	Remarks
Astrophysical Chemistry / Ice and Planetary Science	Professor	Akira Kouchi	Interstellar molecules, ice dust, amorphous solid water, surface reactions	
	Professor	Naoki Watanabe		
	Associate Professor	Yuki Kimura		
	Assistant Professor	Hiroshi Hidaka		
	Assistant Professor	Tetsuya Hama		
	Assistant Professor	Yasuhiro Oba		
Phase Transition Dynamics	Professor	Gen Sazaki	Phase transition dynamics, crystal growth, ice, snow, interferometry, advanced optical microscopy, atomic force microscopy	Will retire in March 2016
	Specially Appointed Professor	Yoshinori Furukawa		
	Assistant Professor	Ken Nagashima		
	Assistant Professor	Ken-ichiro Murata		
Information Media Science	Professor	Izumi Fuse	Learning science, learning platforms, open education	
	Assistant Professor	Yuichi Yamamoto		
Nuclear Reaction Data Science	Professor	Masayuki Aikawa	Nuclear data, nuclear reactions, evaluation	Inter-field Cooperation with the Japan Atomic Energy Agency (JAEA) in the field of nuclear data.
	Associate Professor	Yoshiharu Hirabayashi		
	Specially Appointed Assistant	Shuichiro Ebata		
	Visiting Professor	Keiichi Shibata		
	Visiting Professor	Hideo Harada		
	Visiting Professor	Tokio Fukahori		
Spacecraft Observation Group	Visiting Professor	Takehiko Sato	Planetary exploration, infrared astronomy from space, radio astronomy from space	Inter-field Cooperation with the Japan Aerospace Exploration Agency (JAXA) in the field of spacecraft observation
	Visiting Associate Professor	Yasuhiro Murata		
	Visiting Associate Professor	Issei Yamamura		

Department of Natural History Sciences, Graduate School of Science

Master's

Research Fields	Research Groups & Laboratories	Supervisors		Keywords	Remarks
Earth and Planetary Dynamics	Physical Oceanography and Climate	Professor	Shoshiro Minobe	Physical oceanography, meteorology, air-sea interactions, climate variability & change, oceans' role in climate, multidisciplinary challenges, numerical modelling, data analysis	
		Associate Professor	Masaru Inatsu		
		Lecturer	Yoshinori Sasaki		
		Assistant Professor	Hanna Na		
	Physical Hydrology	Specially Appointed Associate Professor	Kazuhisa Chikita	Drainage basins, water and material cycles, sedimentation, lake hydrodynamics	
	Space Geodesy	Professor	Kosuke Heki	Space geodesy, GNSS, GPS, INSAR, GRACE, gravity, Earth rotation, atmospheric sensing, crustal deformation, glaciology, planetary geodesy, ionosphere	
		Professor	Masato Furuya		
		Associate Professor	Youichiro Takada		
	Seismology	Professor	Kiyoshi Yomogida	Seismic wave propagation, Earth structure, seismic tomography, broadband waveform analysis, lateral heterogeneity and anisotropy	
		Associate Professor	Kazunori Yoshizawa		
Earth and Planetary Science System	Petrology and Volcanology	Professor	Mitsuhiro Nakagawa	Evolution and eruption processes of magma plumbing systems of volcanos; magma generation and eruption processes of caldera volcanos; spatial and temporal variation in arc volcanism; long-term forecasting of volcanic activity and mitigation of volcanic disasters	
		Associate Professor	Takeshi Kuritani		
		Assistant Professor	Shumpei Yoshimura		
	Geochemistry	Professor	Hisayoshi Yurimoto	Geochemistry, cosmochemistry, planetary chemistry, galaxies, stars, planetary systems, protoplanetary disks, planets, meteorites, Earth, core, mantle, crust, oceans, atmosphere, life, magma, geofluids, mass spectrometry, spectroscopy, microscopy, dust formation, crystal growth, high pressure, solar system evolution, planetary exploration	Hokkaido University Museum
		Associate Professor	Shogo Tachibana		
		Associate Professor	Junji Yamamoto		
		Assistant Professor	Ken-ichi Bajo		

Research Fields	Research Groups & Laboratories	Supervisors		Keywords	Remarks
E a r t h  a n d  P l a n e t a r y  S y s t e m  S c i e n c e	Earth Materials Science	Professor	Takaya Nagai	Mineralogy, crystallography, crystal growth, physics and chemistry of minerals	Creative Research Institution, Hokkaido University
		Specially Appointed Assistant Professor	Jun Kawano		
	Earth Environmental History · Paleontology	Associate Professor	Yoshitsugu Kobayashi	Vertebrate evolution, dinosaurs, reptiles, birds, phylogenetic relationships, functional morphology, comparative anatomy, embryology	Hokkaido University Museum
		Assistant Professor	Yasuhiro Iba	Evolution of Mesozoic marine biota, paleobiogeographic responses, global environmental change, origin of modern marine biota	
	Earth System Evolution	Professor	Noriyuki Suzuki	Fate of organic matter in sediments and sedimentary rocks, Earth hydrocarbon resources, long-term carbon cycle, evolution of Earth systems	
		Associate Professor	Ken Sawada	Molecular paleobiology, paleoenvironmental reconstruction, biogeochemistry of geomacromolecules, biomarker paleothermometry, algal biofuels	
		Lecturer	Tsuyoshi Watanabe	High-resolution reconstruction of palaeoenvironments, biogeochemical cycles in reef ecosystems on the geological time scale	
	Geotectonics	Professor	Toru Takeshita	Structural geology, tectonics, rheology, microstructures, metamorphic geology	
		Associate Professor	Makoto Kawamura	Tectonostratigraphy, soft-sediment deformation, clastic composition, forearc geology, accretion tectonics	
		Specially Appointed Associate Professor	Jinichiro Maeda	Igneous petrology and geochemistry of deep crustal rocks from modern and ancient plate boundaries, magmatic processes in mid-oceanic ridges, deep crustal magmatic processes, history of the Hidaka Magmatic Belt, tectonics of Hokkaido	Will retire in March 2016.
		Associate Professor	Jun Kameda	Subduction zone seismogenesis, water-rock interactions, diagenesis, electron microscopy, clay mineralogy	
		Assistant Professor	Marie Python	Petrography and chemistry of the crust and mantle in ophiolites and the Pacific Ocean, mantle melting, magmatic evolution of the oceanic crust, hydrothermal circulation, interactions within the oceanic crust and mantle	

Research Fields	Research Groups & Laboratories	Supervisors		Keywords	Remarks
B i o d i v e r s i t y	Biodiversity	Professor	Takeo Horiguchi	Biodiversity II: Microalgae, protists, dinoflagellates, phylogeny, endosymbiosis	
		Specially Appointed Professor	Shin Tochinai	Biodiversity III (Evo-Devo Laboratory): Evo-devo, reproduction, development, regeneration, animal models	Will retire in March 2016.
		Professor	Ryuichi Masuda	Biodiversity IV (Laboratory of Genetic Diversity): Molecular phylogenetics, population genetics, biogeography, mammals, birds	
		Associate Professor	Kazuhiro Kogame	Biodiversity II: Taxonomy, phylogeny, evolution, seaweeds	
		Associate Professor	Hiroshi Kajihara	Biodiversity I: Marine invertebrates, Nemertea, taxonomy, phylogeny, morphology	
		Associate Professor	Helena Fortunato	Biodiversity I: Mollusks, coralline algae, Bryozoa, calcification patterns, population genetics, ecology, ocean acidification, biogeography	
		Lecturer	Masaki Eda	Laboratory of Archaeozoology & Zooarchaeology: archaeological remains, birds, bones, bone collagen, DNA	
		Lecturer	Tsuyoshi Abe	Biodiversity II: Seaweeds, taxonomy, phylogeny, component taxonomy	
		Lecturer	Keiichi Kakui	Biodiversity I: Marine invertebrates, Crustacea, Tanaidacea, taxonomy, phylogeny, morphology	
		Assistant Professor	Toru Katoh	Biodiversity I: evolution, phylogeny, populations, insects	
		Assistant Professor	Yoshinori Nishita	Biodiversity IV (Laboratory of Genetic Diversity): Molecular genetics, molecular biology, evolution, immunology, mammals	

Research Fields	Research Groups & Laboratories	Supervisors		Keywords	Remarks	
Science Communication	Communication of Science and Technology	Specially Appointed Professor	Shigeo Sugiyama	Sociology, science and technology, public participation, governance and policy, technology assessment	Will retire in March 2016.	
		Associate Professor	Naoyuki Mikami		Creative Research Institution, Hokkaido University	
		Associate Professor	Shishin Kawamoto		CoSTEP	
	Philosophy of Science and Technology	Professor	Masahiro Matsuou	Philosophy of science, ethics of science and technology, philosophy of risk, statistical inference of cause		
	Museum Education and Media Studies	Associate Professor	Makiko Yuasa	Museum communication, museum education, museum evaluation, media studies, museum video production	Hokkaido University Museum	
		Associate Professor	Yoshiharu Fujita		Creative Research Institution, Hokkaido University	
	Science Education	Professor	Makoto Suzuki	Self-efficacy, cognitive bias, creativity, human-computer interactions, higher education, educational technology, open education	Creative Research Institution, Hokkaido University	
		Professor	Toshiyuki Hosokawa			
		Associate Professor	Fumihito Ikeda			
		Associate Professor	Kunimasa Yamada			
		Associate Professor	Katsusuke Shigeta		Information Initiative Center, Hokkaido University	
Seismology and Volcanology	Seismological Observation	Professor	Yuichiro Tanioka	Earthquake source processes, generation and propagation of tsunamis, pre-historical earthquakes and tsunamis, seismic tomography, active fault, earthquake prediction, early warning system, tectonics in northeastern Asia		
		Associate Professor	Kei Katsumata			
		Associate Professor	Hiroaki Takahashi			
	Ocean Bottom Seismology	Associate Professor	Yoshio Murai	Subsurface structure at subduction zones, elastic wave propagation, tectonics of Northern Mid Atlantic Ridge, subduction earthquake, paleo-seismological analysis, international field science, disaster mitigation		
		Assistant Professor	Yuichi Nishimura	subduction earthquake, paleo-seismological analysis, international field science, disaster mitigation		
	Volcano Physics	Professor	Makoto Murakami	Volcanology, volcanic seismology, eruption prediction, transport processes, volcano hydrology, crustal deformation, space geodesy, geo-electromagnetism, spectroscopy of volcanic plume, volcano monitoring system		
		Associate Professor	Hiromitsu Ooshima			
		Assistant Professor	Hiroshi Aoyam			
	Subsurface Structure	Professor	Takeshi Hashimoto	Subsurface exploration		Will retire in March 2017.
		Specially Appointed Professor	Toru Mogi			