



## Course Catalog

Summer School at  
**HOKKAIDO  
UNIVERSITY**

# HOKKAIDO SUMMER INSTITUTE 2023

**Hokkaido, Japan  
June-October**

This summer,  
discover the world anew.

Join us for HSI2023,  
one of the largest  
and most exciting  
summer schools  
in JAPAN!



**HOKKAIDO  
SUMMER  
INSTITUTE**

Light your path towards the new era





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### Message from the Program Director

Prof. ISHIZUKA Mayumi

HSI offers a variety of programs that take advantage of the unique features of Hokkaido University. We look forward to your participation in the refreshing summer in Hokkaido.



Seemingly unrelated worlds will link to each other somehow. Join us and have new experiences along with international students at HSI this summer.

Hokkaido Summer Institute (HSI), one of the largest summer schools in Japan, is a program that brings together world-leading researchers with proven educational and research records, and provides educational courses in cooperation with the Hokkaido University (HU) faculty members. In 2022, more than 160 researchers from all over the world gathered at HU.

HSI also allows its participants to expand their knowledge of subjects in world-class research fields of HU which used to be open only to HU students. Program participants have an opportunity to attend classes by attractive educational techniques such as field training using Hokkaido's extensive land, and active learning to develop human resources capable of thriving on the world stage.

The medium of instruction at HSI is English. This provides international students with a stress-free learning environment without having to worry about language barriers, and also creates a special opportunity for Japanese students, who can participate in classes taught by internationally acclaimed researchers.

HU has high expectations that the HSI students cultivate a better understanding of other cultures and improve communication skills through exchanges with researchers and students from other countries. Social events are planned and held by an official HU student volunteer group throughout the program.





# Join HSI and meet our international community!



## Overseas institutions joined in 2022

### Asia

- China** Institute of Chemistry Co. Ltd Henan Academy of Sciences, Nanjing University, Southern University of Science & Technology, The Hong Kong University of Science and Technology
- India** Indian Institute of Technology Hyderabad, Tata Institute of Fundamental Research, ILO Decent Work Technical Support Team for South Asia, Indian Institute of Technology Bombay, Indian Institute of Technology Madras
- Korea** Gachon University, Seoul National University, Yonsei University
- Malaysia** University of Malaya, Multimedia University
- Mongolia** National University of Mongolia
- Philippines** Mindanao State University Naawan, Philippine Space Agency (PhiSA)
- Singapore** Duke-NUS Medical School, National University of Singapore
- Taiwan** National Chiao Tung University, National Taiwan University
- Thailand** Chiang Mai University, Chulalongkorn University, Vidyasirimedhi Institute of Science and Technology
- Vietnam** Vietnam National Space Center (VNSP), National Institute of Occupational and Environmental Health (NIOEH), Thang Long University

### Oceania

- Australia** The University of Queensland, University of Melbourne, Monash University
- New Zealand** Cawthron Institute, Landcare Research (Wildlife Ecology & Management), University of Auckland, Victoria University of Wellington

### Europe

- Denmark** Aarhus University
- Finland** University of Eastern Finland
- France** Grenoble Alpes University, IMT Atlantique, Universite Paris-Sud
- Germany** Bremen University, German Aerospace Center (DLR), Karlsruhe Institute of Technology, Universität Regensburg, Friedrich-Alexander-Universität Erlangen-Nürnberg
- Georgia** Agricultural University of Georgia
- Italy** University of Pisa, Ca' Foscari University of Venice
- Netherlands** Eindhoven University of Technology
- Norway** University of Bergen
- Portugal** University of Évora
- Sweden** KTH Royal Institute of Technology, Karolinska Institute, Mid Sweden University, Stockholm School of Economics, Stockholm University, Uppsala University
- Spain** University of Granada, Institute of Ceramic and Glass
- Switzerland** Swiss Federal Institute of Technology (ETH Zurich)
- Turkey** Bogazici University
- UK** De Montfort University, University College London, University of Edinburgh, University of Huddersfield, University of Oxford, University of Reading, University of Liverpool

### North America

- Canada** The Université du Québec à Montréal, University of Alberta, University of British Columbia, University of Calgary, University of Manitoba, University of Montreal
- USA** Archaeological and Cultural Education Consultants, Arizona State University, Florida State University, New York University, Ohio State University, Oregon Department of Forestry, Princeton University, The Pennsylvania State University, University of Colorado Boulder, University of Massachusetts, University of Michigan, University of South Carolina, University of Wisconsin-Green Bay, University of California, Los Angeles, University of Alaska

### Central and South America

- Brazil** Universidade de Passo Fundo, Universidade Estadual de Campinas, Universidade Federal da Bahia, Universidade Federal do Rio de Janeiro
- Mexico** Universidad Nacional Autónoma de México

### West Africa

- Ghana** Kwame Nkrumah University of Science and Technology

### East Africa

- Ethiopia** University of Gondar

## About Hokkaido University

Founded in 1876, Hokkaido University is one of the oldest, largest, and most prestigious universities in Japan.

The university has 12 undergraduate schools and 21 graduate schools, covering almost all area of the humanities and social and natural sciences. Furthermore, we are one of the leading institutions for research activities in Japan and worldwide. We offer a comprehensive educational experience, world-class research facilities, and all the attractions of living in the cosmopolitan city of Sapporo. Our campus is located in a breath-takingly beautiful setting. Green spaces are spread throughout the campus, offering warm and welcoming atmosphere.

## Sapporo Life

Sapporo is the 5th most populated city in Japan with a population of 1.9 million. Even though it is a big city, Sapporo is surrounded by a beautiful natural environment that makes one forget that you are in an urban setting. Sapporo strength is not only its beauty, but also its safety, delicious and fresh foods, and its comfortable climate. During the Hokkaido Summer Institute program, numerous cultural events will be held—such as the YOSAKOI Soran Dance Festival, the Annual Hokkaido Shrine Festival, and Pacific Music Festival—and we know that participants will make the most of their time with us at HU; and of course, they can enjoy stunning views of nature by traveling a short distance to our surrounding towns to get a complete Hokkaido experience.





## Courses

Advanced Research Course	<b>162</b> courses
Global Liberal Arts Course	<b>147</b> courses
HSI Extension/ Professional Program	<b>40</b> courses

The courses offered at HSI 2023 are in accordance with the 17 Sustainable Development Goals (SDGs).



Create your own program by combining courses.

### Sample Course Plan A: Participant joined in 2022

**Jun 7 – 10:**  
Diversity in Agriculture

**Jun 20 – 24:**  
Fundamental learning of Japanese language and culture

**Jul 11 – 15:**  
Introduction to SDGs: Awareness of Glocal Issues and International Collaboration

### Sample Course Plan B: Participant joined in 2022

**Aug 1 – 9:**  
Perspectives of Environmental Psychology

**Aug 4 – 10:**  
Economic Geography of Tourism and Sustainable Development

**Aug 15 – 18:**  
Sociolinguistics: Language and Wellbeing in Japan

## Online Application Periods March 6th–15th, 2023

(Additional application periods)

**1st : April 7th – 13th, 2023**

**2nd : June 1st – 7th, 2023**

**3rd : July 3rd – 10th, 2023**

\*Available courses vary by application period.

For application guidelines and more details, visit our website.

✉ hokkaido\_summer@oia.hokudai.ac.jp

🌐 <https://hokkaidosummerinstitute.oia.hokudai.ac.jp/en/>



## Program Highlights

- Lectures taught by world-leading scholars and HU faculty members in English
- Covering a wide range of academic fields from bachelor to Ph. D
- Create your own program by combining courses according to your interests
- More Japanese language/ culture courses on offer in 2023
- Courses for adult learners on offer. Relearn and enhance your professional skills

## Eligibility

### Undergraduate Level

Degree-program students at universities (Currently enrolled students) or high school graduates (Non-students)

### Graduate Level

Degree-program students at graduate school (Currently enrolled students) or university graduates (Non-students)

## Credit & Digital Badge

Credits or digital badge will be awarded upon completion of each course except for certain courses.

## Fees

Program fee: From **14,800** per course

Program fee will be waived for students from HU and HU's partner institutions under certain conditions.

Separate fees apply for Non-students applicants. Please refer to HSI website for details.

## Accommodation

Please refer to listings for off-campus accommodation facilities on HSI website.

We will arrange off-campus accommodation for participants who applied during application period in March.

\*There are a limited number of rooms available.

## Reflections of HSI2022 participants

I am very glad to have applied as the campus is very beautiful and vast with many facilities for the participating students. **from Philippines**

I will definitely recommend this experience to everyone, you will enjoy great conversations with the teachers and students. Thanks a lot for giving the opportunity this awesome experience. **from Spain**

I like Sapporo's weather very much, most of the time the weather is pleasantly cool and comfortable. **from Taiwan**

I really enjoy the field trips in my HSI class, which allows me to immerse more in Japanese culture. **from Indonesia**

## International exchange events organized by HSI Team OMOTENASHI

HSI Team OMOTENASHI is an official HU student volunteer group established in 2021 to organize HSI's international exchange events.



### Message from the team members

Through "Omotenashi" we host activities where HU students and international students from other countries studying at HSI every summer can interact and get to know each other, have a great time, and strengthen their connections. Let's take full advantage of the summer in Hokkaido with your new international friends and Team OMOTENASHI!

## Here are events they organized in 2022.



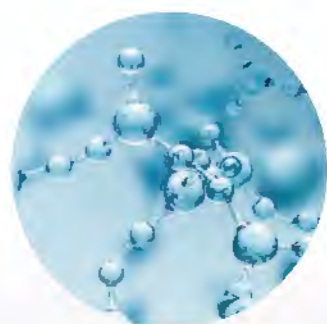


# Advanced Research Course

This course offers cutting-edge classes in specific areas of expertise. As lecturers include many researchers from overseas universities and other institutions, their lectures include content that can only be studied at HSI. The lecturers also include researchers in Japan at the forefront of their fields.



		Course Format	Adults
<b>Humanities and Social Sciences: History, Philosophy, Law, Pedagogy</b>			
Undergraduate	International Archaeological Field School in Rebun Island (for Undergraduate student)		OK
Graduate	Philosophy (Lecture): Topics in Modal Logic 2023		—
	International Archaeological Field School in Rebun Island (for Graduate student)		OK
	Global Crisis and Intellectual Property Rights		OK
	ESD Campus Asia-Pacific Program 2023: SDG target 4.7 and global citizenship		—
	Keep it Real', The Study of SDGs from the Perspective of Transnational History of Body, Health and Sport Culture 2023		OK
<b>Natural and Applied Sciences</b>			
<b>Mathematics and Material Science: Mathematics, Physics, Earth &amp; Planetary science, Chemistry, Nano micro science</b>			
Undergraduate	Ligand design in group 13 and f-element mediated chemical transformation		OK
	Multiple bonding between transition metals and main group elements: synthesis, characterization and applications		OK
	Rationally modified smart peptides and proteins for fundamental studies and practical applications		OK
Master	Special Lecture on Antarctic Science II		OK
Graduate	Schubert Calculus and its Generalizations		—
	Introduction to Computational Ergodic Theory		OK
	Modern Day Materials		OK



# Advanced Research Course

		Course Format	Adults
<b>Natural and Applied Sciences</b>			
<b>Mathematics and Material Science: Mathematics, Physics, Earth &amp; Planetary science, Chemistry, Nano micro science</b>			
Graduate	Chirality and Chemical Biology		OK
	Leading and Advanced Biological and Polymer Chemistry and Engineering IIIA (Introduction to Basic Biological Chemistry)		OK
	Leading and Advanced Biological and Polymer Chemistry and Engineering IIIB (Modern Trends in Organic Chemistry and Biological Chemistry)		OK
	Leading and Advanced Molecular Chemistry and Engineering II (Frontier of Nanocomposite Materials for Photo-Energy Conversion)		OK
	Leading and Advanced Materials Chemistry and Engineering IIIA (Solid State Chemistry of Transition Metal Compounds)		OK
	Leading and Advanced Materials Chemistry and Engineering IIIB (Instrumentation Chemistry)		OK
	Leading and Advanced Molecular Chemistry and Engineering IA (Frontier of Biophysical Analysis of Biomolecules)		OK
	Leading and Advanced Molecular Chemistry and Engineering IB (Principles of Catalytic Chemistry: Theory and Application)		OK
	Leading and Advanced Molecular Chemistry and Engineering IIA (Frontier of Nanocomposite Materials for Photo-Energy Conversion)		OK
	Leading and Advanced Molecular Chemistry and Engineering IIB (Advanced Organic Chemistry)		OK
	Leading and Advanced Molecular Chemistry and Engineering IIIA (Modern Trends in Physical and Material Chemistry)		OK
	Applied Nanomaterial Science		OK
	Basic Nanomaterial Science		OK
<b>Engineering: Integrated Engineering, Applied Science &amp; Engineering, Mechanical &amp; Intelligent System Engineering, Socio-Environmental Engineering</b>			
Graduate	Space policy and space agency management		OK
	Design of Spaceflight Vehicles		OK
	Design, fabrication and operation of micro - and nano-satellites		OK







Face-to-face Online

Course Format Adults

Natural and Applied Sciences

**Engineering:** Integrated Engineering, Applied Science & Engineering, Mechanical & Intelligent System Engineering, Socio-Environmental Engineering

Graduate

Advanced Energy Structure Materials 1 - Microstructure analysis, 2 - Mechanical property			
Advanced Nuclear Waste Management			
Leading and Advanced Materials Chemistry and Engineering IA (Informatics for Chemistry and Materials Science I - Basic Concepts and Quick Course of Python)			
Leading and Advanced Materials Chemistry and Engineering IB (Informatics for Chemistry and Materials Science II - Data-Driven Materials Design and Genomics)			
Leading and Advanced Materials Chemistry and Engineering IIIC (Functional Solid State Materials Chemistry)			
Leading and Advanced Molecular Chemistry and Engineering IIIB (Separation Process Engineering I)			
Leading and Advanced Molecular Chemistry and Engineering IIIC (Separation Process Engineering II)			
Leading and Advanced Molecular Chemistry and Engineering IIID (Chemical Engineering Thermodynamics)			
Advanced Combustion			
Elasticity			
Advanced Quantum Beam Materials			
Sediment Transport			
Application of Thermal Engineering to Renewable Energy Utilization and Zero Energy Buildings			—
Leading and Advanced Biological and Polymer Chemistry and Engineering IIA (Basics of biocatalysts toward the realization of carbon neutral society)			
Leading and Advanced Biological and Polymer Chemistry and Engineering II (Organic Polymer Materials and Devices)			



Face-to-face Online

Course Format Adults

Natural and Applied Sciences

**Life Science and Biology:** Biology, Veterinary Science, Agriculture, Veterinary Science, Fishery Science, Pharmaceutical Science, Medical Science

Undergraduate

Coral Reef Biology and Ecology Lab			—
Marine Invertebrate Zoology Lecture			—
Marine Invertebrate Zoology Lab			—
Fundamentals of Marine Pathology Lecture			—
Fundamentals of Marine Pathology Lab			—
Science Communication and Related Careers			—
Techniques in STEM education for future teachers			—
Advanced Seminar in Applied Veterinary Medicine: Wildlife Medicine I (Zoo Science)			—
Advanced Seminar in Applied Veterinary Medicine: Wildlife Medicine II (Conservation and management of wildlife)			—
Advanced Seminar in Applied Veterinary Medicine: Wildlife Medicine III (Conservation of marine mammals)			—

Master

Special Lecture in Protein Science (Soft Matter Structural Analysis 2023)			
Special Training in Protein Science (Special Training on NMR in Life Science 2023)			
Fundamentals in Scientific Writing 2023			—
Diversity in Agriculture			—
Advanced Aquaculture Genetics and Genomics I: Fish biotechnology			—
Advanced Marine Biotechnology and Microbiology I: Bioinformatics for Marine Life Science			
Special Course on Medicinal Chemistry			



Graduate

Life science special lecture III (Practical bioimaging workshop for life sciences)			
Life Science Special Lecture III (Advanced Fluorescence Microscopy in Life Science Research)			



## Advanced Research Course

Face-to-face Online

Course Format Adults

### Natural and Applied Sciences

#### Life Science and Biology: Biology, Veterinary Science, Agriculture, Veterinary Science, Fishery Science, Pharmaceutical Science, Medical Science

Level	Course Name	Format	OK
Graduate	Integrated Materials and Life Science (Molecular Cell Dynamics I and II)	Face-to-face, Online	OK
	Bioinformatics and Computational Biology	Face-to-face, Online	OK
	International Course on Integrated Marine Biology and Ecology I	Face-to-face, Online	—
	International Course on Integrated Marine Biology and Ecology II	Face-to-face, Online	—
	International Course on Integrated Marine Biology and Ecology III	Face-to-face, Online	—
	International Course on Integrated Marine Biology and Ecology IV	Face-to-face, Online	—
	Leading and Advanced Biological and Polymer Chemistry and Engineering IA (Biomolecules and metals)	Face-to-face, Online	OK
	Leading and Advanced Biological and Polymer Chemistry and Engineering IIIC (Advanced Applied Biochemistry)	Face-to-face, Online	OK
	Advanced Lecture on Biological Defense	Face-to-face, Online	OK
	Special lecture of the basics of biomedicine	Face-to-face, Online	OK
	Special lecture of the state-of-the-art drug development	Face-to-face, Online	OK
	Special Lecture on Drug Discovery Science I (Life innovation seminar)	Face-to-face, Online	OK
	Summer School for Medical Physics	Face-to-face, Online	OK
Summer School for Molecular Biomedical Science and Diagnosis	Face-to-face, Online	OK	
Ph.D	Subjects on Fundamental Veterinary Science Advanced Wildlife and Conservation Medicine	Face-to-face, Online	OK

### Natural and Applied Sciences

#### Environmental Science: Environmental Analysis, Environmental Conservation, Sustainable & Environmental System Development

Level	Course Name	Format	OK
Master	Introduction to the remote sensing of the Arctic and high latitudes	Face-to-face, Online	OK
	Advanced Marine Bioresource Science I	Face-to-face, Online	OK



## Advanced Research Course

Face-to-face Online

Course Format Adults

### Natural and Applied Sciences

#### Environmental Science: Environmental Analysis, Environmental Conservation, Sustainable & Environmental System Development

Level	Course Name	Format	OK
Graduate	Exploration of Requirement for Remote-Sensing in Asia	Face-to-face, Online	OK
	Practice of optical remote-sensing	Face-to-face, Online	OK
	Biomass energy utilization system	Face-to-face, Online	OK

### Inter-Disciplinary Sciences: Biomedical Engineering

Level	Course Name	Format	OK
Undergraduate	Independent Study in Science 2023 (Undergraduate)	Face-to-face, Online	OK
Graduate	Independent Study in Science 2023 (Graduate)	Face-to-face, Online	OK
	Advanced Biomechanics	Face-to-face, Online	OK
	Regional Sciences (Lecture) : General Theory of Invasive Alien Species Management 2023	Face-to-face, Online	OK

## Global Liberal Arts Course

This course offers classes in interdisciplinary fields and those with liberal arts elements. It requires no expertise and is open to students from a wide array of academic backgrounds, such as liberal arts and the sciences.



#### Humanities and Social Sciences: Area Studies, Gender, Tourism Studies, Linguistics, History, Cultural Anthropology, Law, Economics, Business Management, Sociology, Psychology, Pedagogy

Level	Course Name	Format	OK
Undergraduate	Contemporary Japan	Face-to-face, Online	—
	Feline tourism: Animal modernity, cats in travel and hospitality	Face-to-face, Online	OK
	Sociolinguistics: Language and Wellbeing in Japan	Face-to-face, Online	OK
	Oriental History: Ibn Khaldūn, A Historian of Global History	Face-to-face, Online	OK





## Global Liberal Arts Course

		Course Format	Adults
... Face-to-face  ... Online			
<b>Humanities and Social Sciences:</b> Area Studies, Gender, Tourism Studies, Linguistics, History, Cultural Anthropology, Law, Economics, Business Management, Sociology, Psychology, Pedagogy			
Undergraduate	Introduction to Japanese Law		—
	Economic Geography of Tourism and Sustainable Development		—
	Introduction to Business Model		—
	Essence of Management		—
	Social Change: Gender Studies		✓ OK
	Environment and Human Behavior 2023		—
	Cognitive Science: Frontiers in Cultural Psychology 2023		✓ OK
	Introduction to Culturally Responsive Teaching		✓ OK
	ESD Campus Asia-Pacific Program 2023: Addressing the Global Goals via Local and Regional collaborations		—
Master	Animal induced iyashi and wellbeing in tourism, recreation and hospitality		✓ OK
Graduate	Arctic in Asia, Asia in the Arctic: Political Economy of the Globalizing Arctic		—
	Introduction to Ainu and Indigenous Studies I : Indigenous Heritage and Intellectual Properties Issues		✓ OK
	Introduction to Ainu and Indigenous Studies II: Ainu Cultural Heritage and Cultural Landscape		✓ OK
	Introduction to Ainu and Indigenous Feminism I		✓ OK
	Introduction to Cultural Diversity		✓ OK
	Visualizing and Witnessing Trauma and Memory in East Asia		✓ OK
<b>Natural and Applied Sciences</b>			
<b>Mathematics and Material Science:</b> Integrated Engineering, Nano Micro Science			
Graduate	Sustainable Nanomaterials Science and Technology		✓ OK



## Global Liberal Arts Course

		Course Format	Adults
... Face-to-face  ... Online			
<b>Natural and Applied Sciences</b>			
<b>Engineering:</b> Socio-environmental Engineering, Integrated Engineering, Information Electronics			
Undergraduate	Building Structures and Seismic Resistant Technologies		✓ OK
Graduate	Introduction to SDGs: Sustainable Infrastructure in India and Japan (OGGs-STSI)		—
	SDGs Internship/Field study: Short-term Independent Research Experience on STSI (OGGs-STSI)		—
	Human-Computer Interaction		✓ OK
<b>Environmental Science:</b> Environmental Conservation, Sustainable & Environmental System Development			
Graduate	Advanced and Comprehensive Studies on Chemical Hazard Control I: Field Toxicology & Risk Analysis		✓ OK
	Advanced and Comprehensive Studies on Chemical Hazard Control II: Chemical Analyses		✓ OK
	Advanced and Comprehensive Studies on Chemical Hazard Control III: Basic Conservation Medicine		✓ OK
	Advanced and Comprehensive Studies on Chemical Hazard Control IV: Environmental Remediation and Diagnostic Techniques		✓ OK
	Advanced and Comprehensive Studies on Chemical Hazard Control V: GIS and satellite remote sensing		✓ OK
	Advanced and Comprehensive Studies on Chemical Hazard Control VI: Informatics		✓ OK
	International Conservation Medicine Education Program in Africa and Japan: Interdisciplinary / Intercultural Studies		✓ OK
	International Conservation Medicine Education Program in Africa and Japan: Conservation Medicine I		✓ OK
	International Conservation Medicine Education Program in Africa and Japan: Conservation Medicine II		✓ OK
	Mechanism, Assessment and Remediation of Environmental Pollution		✓ OK
	Methods of Geoenvironmental 3D Information Measurement		✓ OK
	From SDGs toward post SDGs		—



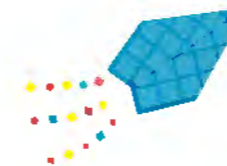
## Global Liberal Arts Course

		Course Format	Adults
Face-to-face                      Online			
<b>Inter-Disciplinary Sciences: International Communication, Linguistics, Career Formation, Career Development, Human Life Science, Health &amp; Sports Science, Science Education</b>			
Undergraduate	Social Ecology: Principles of Invasion Ecology 2023		OK
	Connecting Asia for a Sustainable Future – Summer School in Thailand, Hongkong and Japan 1		—
	Connecting Asia for a Sustainable Future – Summer School in Thailand, Hongkong and Japan 2		—
	Introduction to the International SDGs		OK
	HU-Niseko SDGs Summer School		OK
	Fundamental learning of Indian language and culture (STSI)		—
	Special Workshop for Bio/Healthcare Business		OK
Master	Effect of IAQ on Elderly Health		OK
Graduate	Environmental Health and Sustainable Development Goals I		OK
	Environmental Health and Sustainable Development Goals II		OK
	Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (OGGs-PARE)		—
	Introduction to SDGs: Environment, Culture, and Sustainable Development in Northern Region and Japan (OGGs-NJE3)		—
	SDGs Internship/Field study: Summer School in Japan (OGGs-PARE)		—
	SDGs Internship/Field study: Design School in Northern Region (OGGs-NJE3)		—
	SDGs Internship/Field study: Past and Present of Hokkaido -History of Ishikari and Sorachi- (OGGs-NJE3)		—
	International Colearning PBL for Problem Solving (Object Theater) (OGGs)		—
	International Colearning PBL for Problem Solving (Presentation) (OGGs)		—



## Global Liberal Arts Course

		Course Format	Adults
Face-to-face                      Online			
<b>Inter-Disciplinary Sciences: International Communication, Linguistics, Career Formation, Career Development, Human Life Science, Health &amp; Sports Science, Science Education</b>			
Graduate	Introduction to SDGs: Awareness of Glocal Issues and International Collaboration (OGGs)		—
	Imagine the Future of Sapporo Through Art 1		OK
	Current Status and Prospects of Space-Based Commercial Activities		OK
	Special Lecture on Drug Discovery Science II (Bio-Healthcare Entrepreneurship Workshop)		OK
<b>Japanese Language/Culture</b> <span style="background-color: #e91e63; color: white; padding: 2px;">New in 2023</span> *Courses in this category is open to international students only.			
Undergraduate	Fundamental learning of Japanese language and culture (STSI) online classes		—
	Fundamental learning of Japanese language and culture (STSI) in-person classes		—
	Pre-Intermediate Japanese Grammar		OK
	Introductory Japanese Grammar 1A (face-to-face)		OK
	Introductory Japanese Grammar 1B (face-to-face and online)		OK
	Introductory Japanese Grammar 2A		OK
	Introductory Japanese Grammar 2B		OK
	Introductory Japanese Grammar 2C		OK
	Introductory Japanese Grammar 3		OK
	Introductory Japanese Grammar 4A		OK
	Introductory Japanese Grammar 4B		OK
	Japan in the Global Political Economy		OK
	Political Economy of Japan		OK
	HSI Introduction to Japanese Society		—





# HSI Extension / Professional Program

This program offers courses for working adults to engage in re-learning as well as the acquisition and development of expertise. Those who have successfully completed the program will be issued a digital badge. Please note that although students are also eligible to attend this program, they cannot earn credits for the courses taught in Japanese.



		Face-to-face	Online	Course Format	Adults
<b>HSI Extension / Professional Program in English</b>					
<b>Economics, Pedagogy</b>					
Graduate	Methodology and Philosophy of Contemporary Economics	Face-to-face	Online	OK	OK
	Teaching Tourism	Face-to-face	Online	OK	OK
<b>Physics, Medical Science, Dentistry, Environmental Conservation</b>					
Graduate	Physics in Open Systems: Fundamentals	Face-to-face	Online	OK	OK
	Physics in Open Systems: Advanced	Face-to-face	Online	OK	OK
	Physics of Disordered Quantum Systems : Maby-boddy Interactions	Face-to-face	Online	OK	OK
	Applied physics to explore the anatomy and pathology of the brain	Face-to-face	Online	OK	OK
	Hands-on Machine Learning with Python, TensorFlow and Keras	Face-to-face	Online	OK	OK
	AAA Adhesion/Anti-cariious/Active-bio materials: basic	Face-to-face	Online	OK	OK
	AAA Adhesion/Anti-cariious/Active-bio materials: advanced	Face-to-face	Online	OK	OK



# HSI Extension / Professional Program

		Face-to-face	Online	Course Format	Adults
<b>HSI Extension / Professional Program in Japanese</b>					
<b>Law, History</b>					
Undergraduate	Let's Learn Japanese Law in Japanese Language	Face-to-face	Online	OK	OK
	Inazo Nitobe and His Time	Face-to-face	Online	OK	OK
<b>Environmental Conservation, Inter-Disciplinary Sciences, Veterinary Science</b>					
Undergraduate	HSI original brush up program - Carbon neutral	Face-to-face	Online	OK	OK
	HSI original brush up program -SDGs from "women's perspective" I	Face-to-face	Online	OK	OK
	HSI original brush up program -SDGs from "women's perspective" II	Face-to-face	Online	OK	OK
Graduate	Learning Veterinary Forensics : Animal Poisoning and Analysis I	Face-to-face	Online	OK	OK
	Learning Veterinary Forensics : Animal Poisoning and Analysis II	Face-to-face	Online	OK	OK
<b>Career Development, Science Education</b>					
Graduate	Innovation, Entrepreneurship, and Finance - How can we double Japan's GDP per capita to that of Singapore within 10 years?	Face-to-face	Online	OK	OK
	Imagine the Future of Sapporo Through Art 2	Face-to-face	Online	OK	OK



as of December 2022

Please refer to the website for detailed and updated course information.

<https://hokkaidosummerinstitute.oia.hokudai.ac.jp/en/>







 <https://hokkaidosummerinstitute.oia.hokudai.ac.jp/en/>

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