

HSI2025 Course List

Icon description

【Courses】

Advanced Research Course

Global Liberal Arts Course

HSI extension /professional program in English

HSI extension /professional program in Japanese

【Course format】

On-campus

Online

Selectable either on-campus or online
























































【Language】









































English

Japanese

Graduate Level

Courses	Course format	Language	Course ID	Course Title	Schedule
			G091	SDGs Field study: Short-term Independent Research Experience on STSI (STSI)	Jun/02/2025~Jul/18/2025
			G051	Instrumentation Chemistry	Jun/02/2025~Jun/05/2025
			G004	Independent Study in Science 2025 (Graduate)	Jun/02/2025~Oct/03/2025
			G011	Fundamentals in Scientific Writing 2025	Jun/03/2025~Jun/04/2025
			G022	Healthy Aging with Exercises	Jun/03/2025~Jun/06/2025
			G012	Brainstorm for your cell biological research	Jun/05/2025~Jun/06/2025
	 		G082	Methods of Geoenvironmental 3D Information Measurement	Jun/06/2025~Jun/27/2025
	 		G043	Polymer Characterization and Physics	Jun/09/2025~Jun/12/2025
			G024	Environmental Health Science for a healthier tomorrow	Jun/09/2025~Jun/13/2025
			G034	Elasticity	Jun/09/2025~Jun/18/2025
			G055	Recent Advances in Photocatalytic Organic Reactions and Solid-state Photochemistry	Jun/10/2025~Jun/12/2025
			G057	Modern statistical mechanics and molecular dynamics simulations for energy/bio-materials design	Jun/16/2025~Jun/18/2025
			G037	Universal Design for Public Spaces	Jun/16/2025~Jun/20/2025
			G094	International Course on Integrated Marine Biology and Ecology I	Jun/22/2025~Jun/25/2025
			G036	Design of Spaceflight Vehicles	Jun/23/2025~Jul/02/2025
			G044	Introduction to Basic Biological Chemistry	Jun/24/2025~Jun/27/2025
	 		G081	Fundamentals and Cutting-edge Advances in Solid Catalyst Design	Jun/25/2025~Jul/04/2025
			G095	International Course on Integrated Marine Biology and Ecology II	Jun/26/2025~Jun/29/2025
	 		G028	Advanced Energy Structure Materials 1 ~ Microstructure analysis, 2 ~ Mechanical property	Jun/30/2025~Jul/04/2025
			G087	SDGs Seminar: International Colearning PBL for Problem Solving (Presentation)	Jun/30/2025~Jul/04/2025
			G079	Bioinformatics and Computational Biology	TBA
			G056	Advanced Chemical Synthesis of Natural Products	Jul/01/2025~Jul/03/2025
	 		G104	Understanding the Changing Arctic and Its Global Interconnections	Jul/01/2025~Jul/04/2025
			G062	Human-Computer Interaction	Jul/01/2025~Jul/11/2025
			G035	Sediment Transport	Jul/01/2025~Jul/15/2025
			G018	Special Lecture on Drug Discovery Science I (Life innovation seminar)	Jul/03/2025~Aug/06/2025
	 		G033	Biomass energy utilization system	Jul/04/2025~Jul/25/2025
	 		G077	Global Environmental Toxicology	Jul/07/2025~Jul/08/2025
			G053	Informatics for Chemistry and Materials Science II - Basic Concepts and Quick Course of Python	Jul/07/2025~Jul/10/2025
			G038	Improvement of indoor environment quality of vulnerable people under VUCA	Jul/07/2025~Jul/11/2025
			G063	Deep Learning and CNN for Computer Vision	Jul/07/2025~Jul/11/2025
	 		G101	Introduction to Cultural Diversity	Jul/07/2025~Jul/11/2025
			G086	Introduction to SDGs: Awareness of Glocal Issues and International Collaboration	Jul/07/2025~Jul/17/2025

Courses	Course format	Language	Course ID	Course Title	Schedule
グ	 	En	G073	Computational Toxicology: Basics of Molecular Docking	Jul/09/2025~Jul/10/2025
先		En	G065	Diversity in Agriculture	Jul/10/2025~Jul/15/2025
先		En	G048	Materials for Electrochemical Devices	Jul/14/2025~Jul/17/2025
先		En	G027	Caries treatment: Endodontics and restorative dentistry	Jul/14/2025~Jul/18/2025
グ	 	En	G098	Introduction to Ainu and Indigenous Studies I: Indigenous knowledge and Indigenous peoples	Jul/14/2025~Jul/18/2025
グ		En	G103	Planetary Health - Towards a Sustainable Future	Jul/14/2025~Jul/18/2025
先	 	En	G039	Advanced Biomechanics	Jul/16/2025~Jul/18/2025
先		En	G003	Learning about research methods in education: from practice in an Australian university	Jul/19/2025~Jul/22/2025
グ		En	G099	Introduction to Ainu and Indigenous Studies II: Ainu Cultural Heritage and Cultural Landscape	Jul/21/2025~Jul/25/2025
グ	 	En	G076	Adaptation and evolution to poison	Jul/22/2025~Jul/23/2025
先		En	G015	Advanced Natural Product Chemistry	Jul/22/2025~Jul/25/2025
先		En	G046	Advanced Applied Biochemistry	Jul/22/2025~Jul/25/2025
グ		En	G089	SDGs Field study: Design School in Northern Region (NJE3)	Jul/22/2025~Jul/25/2025
先		En	G096	International Course on Integrated Marine Biology and Ecology III	Jul/22/2025~Jul/26/2025
先		En	G097	International Course on Integrated Marine Biology and Ecology IV	Jul/26/2025~Jul/30/2025
先	 	En	G032	Basic Nanomaterial Science	Jul/28/2025~Aug/06/2025
先	 	En	G014	Special lectures on medicinal chemistry	Jul/28/2025~Jul/29/2025
先		En	G023	The Use of Motion Analysis and Biomechanics to Prevent Injuries and Enhance Performance in Sports	Jul/29/2025~Aug/01/2025
先		En	G049	Modern single-molecule fluorescence techniques and their applications in biology	Jul/29/2025~Jul/31/2025
先		En	G016	Special lecture of the basics of biomedicine	Jul/30/2025~Aug/01/2025
先	 	En	G026	Hands on Training for a Mechanical Ventilator XR Simulator	Jul/30/2025~Aug/08/2025
先		En	G100	International Archaeological Field School in Rebun Island (for graduate students)	Jul/31/2025~Aug/30/2025
先		En	G080	Advanced Lecture on Biological Defense	TBA
先		En	G017	Special lecture of the state-of-the-art drug development	Aug/01/2025~Aug/05/2025
先	 	En	G030	Advanced Quantum Beam Materials	Aug/01/2025~Aug/08/2025
グ	 	En	G074	Practical multivariate analysis: omics to epidemiological data analysis	Aug/04/2025~Aug/05/2025
先		En	G041	Nanofabrication and Nanocharacterization Technologies	Aug/04/2025~Aug/06/2025
先		En	G052	Functional Solid State Materials	Aug/04/2025~Aug/06/2025
先	 	En	G040	Environmental Applications of Nanomaterials	Aug/04/2025~Aug/08/2025
先		En	G069	Research Internship: One Health and Toxicology (Basic)	Aug/04/2025~Aug/08/2025
E	 	En	r007	Hands-on Machine Learning with Python, TensorFlow and Keras	Aug/04/2025~Aug/08/2025
先		En	G064	Neuromorphic AI Hardware	Aug/05/2025~Aug/08/2025
グ	 	En	G072	Chemical Analysis: Fundamentals and Practice of Mass Spectrometry	Aug/06/2025~Aug/08/2025
グ		En	G019	Special Lecture on Drug Discovery Science II (Bio-Healthcare Entrepreneurship Workshop)	Aug/07/2025~Aug/08/2025
グ	 	En	G071	Fundamentals and Practice of Ecological GIS	Aug/12/2025~Aug/13/2025
先		En	G070	Research Internship: One Health and Toxicology (Advanced)	Aug/12/2025~Aug/15/2025
グ		En	G102	Introduction to Ainu and Indigenous Art	Aug/12/2025~Aug/15/2025
E	 	En	r008	Unlocking the Brain with MRI	Aug/12/2025~Aug/15/2025
先		En	G068	Subjects on Fundamental Veterinary Science Advanced Wildlife and Conservation Medicine	Aug/14/2025~Aug/18/2025
先		En	G020	Summer School for Medical Physics	Aug/18/2025~Aug/22/2025
先		En	G021	Summer School for Molecular Biomedical Science and Diagnosis	Aug/18/2025~Aug/22/2025

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先		En	G058	Modern Trends in Physical and Material Chemistry	Aug/19/2025~Aug/22/2025
グ	 	En	G075	Fundamentals of risk analysis and disaster response	Aug/21/2025~Aug/22/2025
先		En	G042	From Systems Biology to Machine Learning	Aug/25/2025~Aug/28/2025
先	 	En	G031	Applied Nanomaterial Science	Aug/25/2025~Aug/29/2025
先		En	G047	Informatics for Chemistry and Materials Science I - Data-Driven Materials Design and Genomics	Aug/25/2025~Aug/29/2025
グ		En	G084	From SDGs toward post SDGs	Aug/25/2025~Aug/29/2025
グ		En	G088	SDGs Seminar: International Colearning PBL for Problem Solving (Object Theater)	Aug/25/2025~Aug/29/2025
先	 	En	G093	Computational methods in dynamical systems	Aug/25/2025~Aug/29/2025
先		En	G083	Laboratory short course on stable isotopes	Aug/28/2025~Sep/03/2025
先		En	G059	Separation Process Engineering I	Sep/01/2025~Sep/04/2025
先		En	G009	Life Science Special Lecture III (Advanced Fluorescence Microscopy in Life Science Research)	Sep/01/2025~Sep/05/2025
先		En	G010	Life science special lecture III (Practical bioimaging workshop for life sciences)	Sep/01/2025~Sep/05/2025
J	 	日	r009	Entrepreneurship, Job Hunting, and Career Success: Expanding Life Choices and Building a Career	Sep/01/2025~Sep/05/2025
先		En	G045	Modern Trends in Organic Chemistry and Biological Chemistry	Sep/02/2025~Sep/04/2025
グ	 	En	G025	Multidisciplinary team-based care for older adults	Sep/02/2025~Sep/05/2025
E		En	r006	History of Economic Thought	Sep/02/2025~Sep/06/2025
グ		En	G090	SDGs Field study: Past and Present of Hokkaido -History of Ishikari and Sorachi- (NJE3)	Sep/03/2025~Sep/10/2025
先		En	G008	Integrated Materials and Life Science (Molecular Cell Dynamics I and II)	Sep/04/2025~Sep/05/2025
グ		En	G078	The Human and Animal Bond: A One Health Perspective	Sep/09/2025~Sep/22/2025
グ		En	G001	Hokkaido ESD Leaders' programme: Ontological Turn, Forest School, Ecology & Sport History	Sep/10/2025~Sep/12/2025
先	 	En	G092	Special Lecture on Arctic and Antarctic Science II	Sep/10/2025~Sep/26/2025
先	 	En	G005	Exploration of Requirement for Remote-Sensing in Asia	Sep/11/2025~Sep/12/2025
先		En	G002	Social justice and remote schools: challenges and promises	Sep/15/2025~Sep/19/2025
先	 	En	G029	Advanced Nuclear Waste Management	Sep/17/2025~Sep/19/2025
先	 	En	G007	Space policy and space agency management	Sep/18/2025~Sep/19/2025
先		En	G067	Statistical Analysis of Food Resources	Sep/19/2025~Sep/26/2025
先		En	G006	Practice of optical remote-sensing	Sep/24/2025~Sep/25/2025
先	 	En	G054	Advanced Organic/Materials Chemistry	Sep/24/2025~Sep/25/2025
先		En	G013	Special Lecture in Protein Science (Soft Matter Structural Analysis 2025)	Sep/29/2025~Oct/10/2025
先		En	G060	Separation Process Engineering II	Sep/30/2025~Oct/03/2025