

# Hokkaidoサマー・インスティテュート (HSI) 2019開講科目一覧

## Undergraduate Level (22 courses)

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
U001	Building Structures and Seismic Resistant Technology	Faculty of Engineering	Kazutaka SHIRAI		1	Undergraduate	03/Jun/2019	06/Jun/2019
U002	Independent Study in Science 2019 (Undergraduate)	School of Science	Hiroshi KAWAMURA	Faculty members, School of Science	1	Undergraduate	Please refer to the course page for details.	
U003	Gender and Migration in East Asia	Faculty of Public Policy	Naomi CHI	Chisato ABE (Ainu and Indigenous People's Film Society) Kumiko KUDOH (Rainbow Resource Centre L-Port) Edward BOYLE (Department of Political Science, Kyushu University)	1	Undergraduate	20/Jun/2019	21/Jun/2019
U004	Principles of Development Economics	School of Economics and Business	Susumu IMAI	Brixiova ZUZANA (Economics, Technical University of Ostrava)	2	Undergraduate	24/Jun/2019	28/Jun/2019
U005	Japanese Healthcare System in Comparative Perspective	Institute for the Advancement of Higher Education	Peter FIRKOLA	James TIESSSEN (School of Health Services Management, Ryerson University)	1	Undergraduate	25/Jun/2019	28/Jun/2019
U006	Cultural Psychology, Frontiers in Cultural Psychology 2019	School of Humanities and Human Sciences	Masaki YUKI	Takahiko MASUDA (Department of Psychology, University of Alberta) Sawa SENZAKI (Human Development and Psychology Departments, University of Wisconsin-Green Bay)	2	Undergraduate	01/Jul/2019	03/Jul/2019
U007	Introduction to Japanese Law	School of Law	Koji MIZUNO Masanori FUJIWARA Akihiro ONAGI Hiroko NAKAGAWA		1	Undergraduate	01/Jul/2019	05/Jul/2019
U008	Contemporary Japan	Research Faculty of Media and Communication	Svetlana PAICHADZE Jeffry Joseph GAYMAN	Akihiro OGAWA (Asia Institute, University of Melbourne) Philip SEATON (Institute of Japan Studies, Tokyo University of Foreign Studies)	2	Undergraduate	01/Jul/2019	17/Jul/2019
U009	Critical Thinking: Avoiding Cognitive Biases	Institute for the Advancement of Higher Education	Peter FIRKOLA	Paul STAPLETON (Department of English Language Education, The Education University of Hong Kong)	1	Undergraduate	02/Jul/2019	05/Jul/2019
U010	Coptic Culture and Language: An introduction to the history and language of traditional Egyptian Christianity	School of Humanities and Human Sciences	TODA Satoshi	Jacques van der VLIET (Religions of Ancient Egypt Faculty of Philosophy, Theology & Religious Studies, Radboud University Nijmegen, Netherlands / Coptic & Egyptian Religion Institute for Area Studies, Leiden University, Netherlands) Ewa ZAKRZEWSKA (Library, University of Amsterdam, Netherlands)	2	Undergraduate	08/Jul/2019	12/Jul/2019
U011	Advanced Maintenance Engineering & Practice for Buildings and Concrete Structures	Faculty of Engineering	Ryoma KITAGAKI	Jeongsoo NAM (Faculty of Engineering, Chungnam National University) Jihoon KIM (Faculty of Engineering, Muroran Institute of Technology)	1	Undergraduate	08/Jul/2019	10/Jul/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
U012	ESD Campus Asia Pacific Program 2019: Enlightenment Values in the 21st Century	Faculty of Education	Tyrel Cameron ESKELSON Keiko IKEDA Takashi ITO Jeffry Joseph GAYMAN Madoka TORIYAMA	Sam BAMKIN (MEXT Research Scholar, Tokyo Gakugei University)	1	Undergraduate	01/Aug/2019	08/Aug/2019
U013	European Politics in Crisis?	School of Law	Toru YOSHIDA	Alistair COLE (Sciences Po Lyon)	2	Undergraduate	22/Jul/2019	30/Jul/2019
U014	Principles of Regional Economy and Business	School of Economics and Business	Kazuo MACHINO	João F. G. ROMÃO (Centre for Advanced Studies in Management and Economics, University of Algarve) Annie K. TUBADJI (Faculty of Business and Law, University of the West of England)	2	Undergraduate	22/Jul/2019	02/Aug/2019
U015	Social Ecology: Principles of Invasion Ecology 2019	School of Humanities and Human Sciences	Tohru IKEDA	Al GLEN (Landcare Research (Wildlife Ecology & Management), New Zealand)	2	Undergraduate	29/Jul/2019	02/Aug/2019
U016	Marine Biodiversity under Anthropogenic Impacts (Pollution, Resource Overexploitation, Climate Change)	School of Science	Helena FORTUNATO	Teresa BORGES (Faculty of Sciences and Technology, University of Algarve, Portugal)	1	Undergraduate	29/Jul/2019	01/Aug/2019
U017	Introduction to Arctic natural and social sciences	Arctic Research Center	Yasushi FUKAMACHI Natsuhiko OTSUKA Fujio OHNISHI Minoru TAKAHASHI Teppei YASUNARI Evgeny PODOLSKIY Jorge Garcia MOLINOS Juha SAUNAVAARA Atsuko SUGIMOTO	Hajo EICKEN (International Arctic Research Center, University of Alaska Fairbanks)	1	Undergraduate	29/Jul/2019	31/Jul/2019
U018	Tackling 21st century challenges in universities toward sustainable society: Combining campus sustainable development, learning and experimentation	Sustainable Campus Management Office	Maki IKEGAMI Tomohiro MITANI Takao OZASA	Ariane KÖNIG (Faculty of Language and Literature, Humanities, Arts and Education, University of Luxembourg) Chiori ITO (Chiori Design)	1	Undergraduate	29/Jul/2019	02/Aug/2019
U019	International Archaeological Field School at Reibun Island	Center for Ainu and Indigenous Studies	Hirofumi KATO Shiaki KONDO Mayumi OKADA	Maa-Ling CHEN (Department of Anthropology, National Taiwan University) Gabriel HUGES (Institute of Archaeology, University of Oxford)	2	Undergraduate	04/Aug/2019	25/Aug/2019
U020	Seminar in Sociology: Sociology of Language: Language and Wellbeing in Japan 2019	School of Humanities and Human Sciences	Carola HOMMERICH	Patrick HEINRICH (Department of Asian and North African Studies, Ca' Foscari University of Venice)	2	Undergraduate	05/Aug/2019	08/Aug/2019
U022	Advanced Seminar in Applied Veterinary Medicine: Wildlife Medicine	School of Veterinary Medicine	Toshio TSUBOTA Yojiro YANAGAWA Ryo NAKAO	Rob KELLY (University of Edinburgh)	2	Undergraduate	19/Aug/2019	26/Aug/2019
U023	Oriental History: Modern Arab History	School of Humanities and Human Sciences	Kentarō SATO	Mohammed AAFIF (Faculty of Letters and Human Sciences, Mohammed V University, Rabat, Morocco)	2	Undergraduate	09/Sep/2019	13/Sep/2019

## Graduate Level (115 courses)

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G001	Advanced Marine Biotechnology and Microbiology I: Bioinformatics for Marine Life Science	Graduate School of Fisheries Sciences	Tomoo SAWABE Sayaka MINO	Pedro Milet MEIRELLES (Federal University of Bahia)	1	Graduate	03/Jun/2019	07/Jun/2019
G002	Introduction to PARE I: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	Ryusuke HATANO Takashi INOUE Junjiro NEGISHI Yuichi KAMIYA Tatsufumi OKINO		1	Graduate	03/Jun/2019	11/Jun/2019
G003	Advanced Biomechanics	Faculty of Engineering	Toshiro OHASHI	Peter VS LEE (Department of Mechanical Engineering, University of Melbourne, Australia) Danaa GANBAT (Department of Mechanical Engineering, Mongolian University of Science and Technology)	2	Graduate	01/Jul/2019	05/Jul/2019
G004	Diversity in Agriculture	Graduate School of Global Food Resources	Toshihiko YAMADA Yoshitaka UCHIDA Taichi TAKASUKA Tomohiro MITANI	Amanda BAYER (University of Massachusetts)	1	Master	04/Jun/2019	07/Jun/2019
G005	Independent Study in Science 2019 (Graduate)	Graduate School of Science	Hiroshi KAWAMURA	Faculty members, Graduate School of Science	2	Graduate	Please refer to the course page for details.	
G006	Independent Study in Life Science 2019 (Graduate)	Graduate School of Life Science	Toshiya MATSUSHIMA Hiroshi KAWAMURA	Faculty members, Graduate School of Life Science	2	Graduate	Please refer to the course page for details.	
G007	Leading and Advanced Molecular Chemistry and Engineering II (Recent organofluorine chemistry and reaction design)	Graduate School of Chemical Sciences and Engineering	Hajime ITO	Eunsung LEE (Department of Chemistry, POSTECH (Pohang University of Science and Technology) )	1	Graduate	05/Jun/2019	10/Jun/2019
G008	Leading and Advanced Molecular Chemistry and Engineering IB (Frontier of Nanocomposite Materials for Novel Devices)	Graduate School of Chemical Sciences and Engineering	Kei MURAKOSHI Hidenori NOGUCHI	David LEWIS (Institute for Nanoscale Science & Technology, Flinders University)	1	Graduate	04/Jun/2019	06/Jun/2019
G009	Leading and Advanced Materials Chemistry and Engineering III (Solid state chemistry of quantum materials)	Graduate School of Chemical Sciences and Engineering	Kazunari YAMAURA Yoshihiro TSUJIMOTO		1	Graduate	10/Jun/2019	12/Jun/2019
G010	Fundamentals and Applications of Nanoscience and Nanotechnology	Research Institute for Electronic Science	Vasudevan Pillai BIJU Kenji HIRAI Tomoko INOSE Yuna KIM Tomoya OSHIKIRI Yuta TAKANO Kosei UENO Hiroshi UJII Ken-ichi YUYAMA	Raju FRANCIS (School of Chemical Sciences, Mahatma Gandhi University) Andrey ROGACH (Department of Materials Science and Engineering, City University of Hong Kong)	2	Master	10/Jun/2019	13/Jun/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G011	Multiscale geophysical characterisation of Earth materials, and application to scientific drilling	Faculty of Science	Hiroaki TAKAHASHI	Mai-Linh DOAN (ISTerre, Université Grenoble-Alpes) Yohei HAMADA (Kochi Institute for Core Sample Research (KOCHI) , Fault Mechanics Research Group, Japan Agency for Marine-Earth Science and Technology (JAMSTEC) ) Virginia TOY (Department of Geology, University of Otago)	2	Graduate	17/Jun/2019	25/Jun/2019
G012	Introduction to PARE II: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	Yasuo KOBAYASHI Takumi KONDO Hideyuki MATSUURA Yasuaki TAKAGI John Richard BOWER		1	Graduate	17/Jun/2019	26/Jun/2019
G013	Leading and Advanced Biological and Polymer Chemistry and Engineering IIA (Drug Discovery based on Biological Chemistry)	Graduate School of Chemical Sciences and Engineering	Kazuyasu SAKAGUCHI Yota Murakami	Jianxin LI (School of Chemistry and Chemical Engineering, Nanjing University)	1	Graduate	17/Jun/2019	21/Jun/2019
G014	Leading and Advanced Materials Chemistry and Engineering IIB (From Photophysics and Photochemistry to Functions and Applications of Luminescent Metal-Based Materials)	Graduate School of Chemical Sciences and Engineering	Masako KATO	Vivian Wing-Wah YAM (Department of Chemistry, University of Hong Kong)	1	Graduate	20/Jun/2019	22/Jun/2019
G015	3D Earth Structure - from the field to the drillcore	Graduate School of Science	Toru TAKESHITA	Virginia TOY (Department of Geology, University of Otago) Norio SHIGEMATSU (Research Institute of Earthquake and Volcano Geology, Geological Survey of Japan - AIST)	2	Graduate	20/Jun/2019	30/Jun/2019
G016	Special Lecture on Drug Discovery Science I (Life innovation seminar)	Faculty of Pharmaceutical Sciences	Katsumi MAENAKA Kenji MONDE Shin-Ichiro NISHIMURA	Kota KODAMA (Ritsumeikan University) Other several members estimate	1	Graduate	20/Jun/2019	08/Aug/2019
G017	Interpretation of past Earth environments from core samples	Graduate School of Science	Ken SAWADA Hiroshi KAWAMURA	Christian OHNEISER (Department of Geology, University of Otago) Virginia TOY (Department of Geology, University of Otago)	2	Graduate	21/Jun/2019	30/Jun/2019
G018	Soft Interface & Soft Mechanics (Polymer Physics)	Graduate School of Life Science / GI-CoRE	Jian Ping GONG Tasuku NAKAJIMA	Wei HONG (Department of Aerospace Engineering, Iowa State University Department of Mechanics and Aerospace Engineering, Southern University of Science and Technology) Cécile MONTEUX (Soft Matter Sciences and Engineering, ESPCI Paris Tec)	1	Graduate	24/Jun/2019	04/Jul/2019
G019	Bioinformatics and Computational Biology	Graduate School of Infectious Diseases	Kimihito ITO Kanako KOYANAGI Manabu IGARASHI Ryosuke OMORI	Des HIGGINS (University College Dublin, Ireland)	1	Ph.D	26/Jun/2019	03/Jul/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G020	Natural Products Chemistry	Faculty of Pharmaceutical Sciences	Toshiyuki WAKIMOTO Kenichi MATSUDA		1	Graduate	24/Jun/2019	27/Jun/2019
G021	Prospects for the Future of Northeast Asia: from the Perspective of Area & Border Studies	Slavic Eurasian Research Center	Akihiro IWASHITA David WOLFF Mihoko KATO Ed PULFORD Naomi CHI	Christopher LEN (Energy Studies Institute, National University of Singapore) Jussi LAINE (Karelian Institute, University of Eastern Finland) Edward BOYLE (Department of Political Science, Kyushu University)	1	Graduate	24/Jun/2019	25/Jun/2019
G022	Leading and Advanced Molecular Chemistry and Engineering III (Cutting edge of electrochemistry)	Graduate School of Chemical Sciences and Engineering	Kazuhisa AZUMI Hiroki HABAZAKI Kiyoharu TADANAGA Hisayoshi MATSUSHIMA Kei MURAKOSHI Ichizo YAGI Satoru TAKAKUSAGI		1	Graduate	25/Jun/2019	28/Jun/2019
G023	Governance and Public Policy in the Globalized World	Faculty of Public Policy	Naomi CHI	Anna CASAGLIA (University of Trento) Mirza Zulfiqur RAHMAN Alexander BUKH (Department of Political Science, University of Victoria) Kee-Hyun BAN (Chung-Ang University)	1	Graduate	26/Jun/2019	27/Jun/2019
G024	Introduction to PARE III: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	Toshifumi IGARASHI Yoshikazu MIYANAGA Osamu FUJITA Norihiro IZUMI Kunihiro KISHI		1	Graduate	01/Jul/2019	10/Jul/2019
G025	Reading Comprehension of Frontier Papers on Cell Biology	Graduate School of Life Science	Ryota UEHARA	Mithilesh MISHRA (Department of Biological Sciences, Tata Institute of Fundamental research) Sarada BULCHAND (Duke-NUS Medical School, Singapore)	1	Master	08/Jul/2019	11/Jul/2019
G026	Diverse Issues in Health Sciences: Vital Role of Radiology	Graduate School of Health Science	Hiroko YAMASHINA Hiroyuki DATE Katsuhiko OGASAWARA Jin-Min NAM	Thititip TIPPAYAMONTRI (Faculty of Allied Health Sciences, Chulalongkorn University)	1	Master	01/Jul/2019	05/Jul/2019
G027	Membrane Technology for Water and Wastewater Treatment: Fundamentals and Applications	Faculty of Engineering	Katsuki KIMURA	Harsha RATNAWEERA (Norwegian University of Life Sciences) Volodymyr V TARABARA (Michigan State University) Pierre BÉRUBÉ (The University of British Columbia) Gregory V KORSHIN (University of Washington) Xuejun BI (Qingdao Technological University)	1	Graduate	29/Jul/2019	31/Jul/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G028	Leading and Advanced Biological and Polymer Chemistry and Engineering III (Frontier of Chemical Science)	Graduate School of Chemical Sciences and Engineering	Yota Murakami Yukihiro TAKAHASHI Kenta KOKADO Masaki YOSHIDA Tamiki KOMATSUZAKI Masayuki TAKAHASHI Youhei Shimizu		1	Graduate	01/Jul/2019	05/Jul/2019
G029	Leading and Advanced Materials Chemistry and Engineering IID (Chemistry and applications of inorganic nanomaterials)	Graduate School of Chemical Sciences and Engineering	Hiroki HABAZAKI Chunyu ZHU	Byungjin CHO (Department of Advanced Material Engineering, Chungbuk National University)	1	Graduate	01/Jul/2019	04/Jul/2019
G030	Economic Development from a Policy Maker's Perspective	Graduate School of Economics and Business	Susumu IMAI	Brixiova ZUZANA (Economics, Technical University of Ostrava)	2	Master	01/Jul/2019	05/Jul/2019
G031	Advanced Lecture on Biological Defense	Graduate School of Infectious Diseases	Hideaki HIGASHI Masashi SHINGAI	Lorena BROWN (The University of Melbourne) Elizabeth HARTLAND (The University of Melbourne) Brendon CHUA (The University of Melbourne)	1	Ph.D	16/Jul/2019	18/Jul/2019
G032	Researchers & Creators : Think about forest (leather)	CoSTEP, Institute for the Advancement of Higher Education	Hyunjung PARK Motoko OKUMOTO	Mihye NAM (Shumisha) Jiyeon YI (CONE Leather Studio)	2	Master	01/Jul/2019	11/Jul/2019
G033	Special Course for Field Science I: International training course on ecological and environmental research	Graduate School of Environmental Science	Hideaki SHIBATA Kariibu FUKUZAWA Shunsuke UTSUMI Tatsuro NAKAJI Masahiro NAKAMURA	Ming-Chien SU (Department of Natural Resources and Environmental Studies, National Dong Hwa University) Shih-Chieh CHANG (Department of Natural Resources and Environmental Studies, National Dong Hwa University) You-Cheng HSU (Department of Natural Resources and Environmental Studies, National Dong Hwa University)	1	Master	03/Jul/2019	11/Jul/2019
G034	Academic Paper-Writing Workshop for Cultural and Social Psychological Journals 2019	Faculty of Humanities and Human Sciences	Masaki YUKI	Takahiko MASUDA (Department of Psychology, University of Alberta) Sawa SENZAKI (Human Development and Psychology Departments, University of Wisconsin-Green Bay)	1	Graduate	08/Jul/2019	10/Jul/2019
G035	Leading and Advanced Biological and Polymer Chemistry and Engineering IIB (New trends of high-performance polymers for advanced applications)	Graduate School of Chemical Sciences and Engineering	Toshifumi SATOH	Guey-Sheng LIOU (Institute of Polymer Science & Engineering, National Taiwan University)	1	Graduate	08/Jul/2019	12/Jul/2019
G036	Special Study of Global Economy and Business	Graduate School of Economics and Business	Tetsuhiko TAKAI	Po Han FONG (Department of Economics, College of Social Science, National Taiwan University) Jaeok PARK (School of Economics, Yonsei University)	2	Master	08/Jul/2019	12/Jul/2019
G037	Leading and Advanced Materials Chemistry and Engineering IIA (Development of nano-structured materials for electrochemical devices)	Graduate School of Chemical Sciences and Engineering	Kiyoharu TADANAGA Akira MIURA Nataly Carolina ROSERO NAVARRO	Li LU (Department of Mechanical Engineering, Faculty of Engineering, National University of Singapore)	1	Graduate	09/Jul/2019	12/Jul/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G038	Advanced Marine Bioresource Science I	Graduate School of Fisheries Sciences	Yutaka WATANUKI	Lindsay Young (Department of Natural Resources and Environmental Management, University of Hawaii)	1	Master	10/Jul/2019	12/Jul/2019
G039	International Course on Integrated Marine Biology and Ecology I	Graduate School of Environmental Science	Chikako NAGASATO Taizo MOTOMURA Kensuke ICHIHARA	Gwang Hoon KIM (Department of Biology, Kongju National University) Ryuta TERADA (United Graduate School of Agricultural Sciences, Kagoshima University)	1	Graduate	15/Jul/2019	20/Jul/2019
G040	Introduction to PARE IV: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	Masahiko FUJII Masatoshi SASAOKA	Fumikazu UBUKATA (Okayama University) Henny OSBAHR (University of Reading) Alice SHARP (Chiang Mai University) ROTO (Department of Chemistry, Faculty of Mathematics and Natural Sciences, Gadjah Mada University)	1	Graduate	16/Jul/2019	26/Jul/2019
G041	Leading and Advanced Materials Chemistry and Engineering I (Molecular Interactions and Their Application to Functional Devices)	Graduate School of Chemical Sciences and Engineering	Toshihiro SHIMADA	Nicolas CLEMENT (CNRS (IIS-LIMMS Univ.Tokyo) )	1	Graduate	16/Jul/2019	19/Jul/2019
G042	Agricultural Resource Economics	Graduate School of Global Food Resources	Yoko SAITO	Ram PANDIT (The University of Western Australia)	1	Master	16/Jul/2019	26/Jul/2019
G043	Catalysis Principle and Catalyst Design	Institute for Catalysis	Jun-ya HASEGAWA Zhiyi SONG Kiyotaka NAKAJIMA Abhijit SHROTRI	Qiuling SONG (College of Chemical Engineering, Huaqiao University) Ivo A. W. FILOT (Department of Chemical Engineering and Chemistry, Eindhoven University of Technology)	1	Graduate	16/Jul/2019	25/Jul/2019
G044	Introduction to Ainu and Indigenous Studies: Cultural Heritage and Intellectual Property Issues	Center for Ainu and Indigenous Studies	Hirofumi KATO Shiaki KONDO	George NICHOLAS (Department of Archaeology, Simon Fraser University) Carl-Gösta OJARA (Department of Archaeology, Uppsala University)	2	Master	16/Jul/2019	23/Jul/2019
G045	Tourism and Cultural Heritage in Asia	Research Faculty of Media and Communication	Akiko TASHIRO	Ploysri PORANANOND (Centre for Asian Tourism Research, Chiang Mai University) Thanik LERTCHARNRIT (Department of Archaeology, Silpakorn University)	1	Graduate	19/Jul/2019	30/Jul/2019
G046	Special Lecture of CosmoSciences 1 (Exploration of Requirement for Remote-sensing in Asia)	Graduate School of Science	Yukihiro TAKAHASHI	Huy Xuan LE (Vietnam National Space Center (VNSC) , Vietnam) Abdul Rashid Bin MOHAMED SHARIFF(Department of Biological and Agricultural Engineering, Faculty of Engineering, Universiti Putra Malaysia (UPM) ) Mark Edwin Anonuevo TUPAS (Department of Geodetic Engineering, Training Center for Applied Geodesy and Photogrammetry, University of the Philippines, Diliman)	1	Master	22/Jul/2019	26/Jul/2019
G047	International Science Initiative: Recent advances in matroids and Tutte polynomials	Graduate School of Science	Masahiko YOSHINAGA	Graham DENHAM (Faculty of Science, Western University) Luca MOCI (Faculty of Science, Bologna University)	1	Graduate	22/Jul/2019	25/Jul/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G048	Advanced General Plant Breeding	Graduate School of Agriculture	Chikara MASUTA Yuji KISHIMA Jun ABE Tomohiko KUBO Kenji NAKAHARA	Takeshi MATSUMURA (National Institute of Advanced Industrial Science and Technology (AIST) ) Peter PALUKAITIS (Seoul Women's University) Ki Hyun RYU (Seoul Women's University) Shih-Shun LIN (National Taiwan University)	2	Master	22/Jul/2019	31/Jul/2019
G049	Leading and Advanced Materials Chemistry and Engineering IIC (Applications and functions of ceramic and gradient materials)	Graduate School of Chemical Sciences and Engineering	Toshihiro SHIMADA Taro NAGAHAMA	Fei CHEN (State Key Laboratory of Advanced Technology for Materials Synthesis and Processing, Wuhan University of Technology)	1	Graduate	22/Jul/2019	25/Jul/2019
G050	Leading and Advanced Biological and Polymer Chemistry and Engineering IID (Collaboration of bacteria and insects toward sustainable biobased plastic production)	Graduate School of Chemical Sciences and Engineering	Kenichiro MATSUMOTO	Sudesh KUMAR (School of Biological Sciences, Universiti Sains Malaysia)	1	Graduate	22/Jul/2019	26/Jul/2019
G051	Special Study of Regional Economy and Business	Graduate School of Economics and Business	Kazuo MACHINO	Annie K. TUBADJI (Faculty of Business and Law, University of the West of England) João F. G. ROMÃO (Centre for Advanced Studies in Management and Economics, University of Algarve)	2	Master	22/Jul/2019	02/Aug/2019
G052	Epidemiological studies: Comparison between China and Japan	Graduate School of Medicine	Akiko TAMAKOSHI Wenjing ZHAO	Weidong WU (School of Public Health, Xinxiang Medical University) Xudong LIU (School of Public Health, Sun Yat-Sen University)	1	Graduate	29/Jul/2019	01/Aug/2019
G053	Advanced and Comprehensive Studies on Chemical Hazard Control I: Field Toxicology & Risk Management	Graduate School of Veterinary Medicine	Mayumi ISHIZUKA Yoshinori IKENAKA Shouta NAKAYAMA Motohiro HORIUCHI Norikazu ISODA Yuichi KAMIYA	Aki TANAKA (Veterinary Medicine, University of California) Kazuyo HIROSE (International Affairs Department, Japan Space Systems)	2	Graduate	22/Jul/2019	23/Aug/2019
G054	Mechanism, Assessment and Remediation of Environmental Pollution	Graduate School of Veterinary Medicine	Mayumi ISHIZUKA Yoshinori IKENAKA Shouta NAKAYAMA Toshifumi IGARASHI Yoshitaka UCHIDA Kazuhiro TOYODA Takeshi SAITO		1	Graduate	22/Jul/2019	26/Jul/2019
G055	Introduction to Brain Science VI: The Foundations of Cognitive Sciences	Research and Education Center for Brain Science	Kenji OGAWA Yasuhiro KAWABATA Mayumi ADACHI Jun-ichiro KAWAHARA Hiromi WADA Yujiro YAMANAKA		1	Graduate	22/Jul/2019	25/Jul/2019
G056	Life Cycle Management of Concrete Structures	Graduate School of Engineering	Tamon UEDA Hiroshi YOKOTA	Jian-Guo DAI (Hong Kong Polytechnic University) Dawei ZHANG (Zhejiang University) Jae-Yeol CHO (Department of Civil and Environmental Engineering, Seoul National University)	2	Graduate	24/Jul/2019	02/Aug/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G057	Comparative Public Policy	Graduate School of Law	Mikine YAMAZAKI	Naonori KODATE (University College Dublin)	1	Graduate	25/Jul/2019	30/Jul/2019
G058	Training Course for Behavioral Pharmacology/Neuroscience	Graduate School of Medicine	Mitsuhiro YOSHIOKA Yu OHMURA Hiroshi NOMURA Natsuko HITORA	Hailan HU (School of Medicine, Zhejiang University) Yihui CUI (School of Medicine, Zhejiang University)	2	Graduate	25/Jul/2019	31/Jul/2019
G059	Re-thinking Freire: as a mediator between Popular Education and Social Pedagogy ( I )	Faculty of Education	Takashi MIYAZAKI Keiko IKEDA	Anna Marie A. KARAOS (Ateneo de Manila University)	1	Graduate	27/Jul/2019	01/Aug/2019
G060	Re-thinking Freire: as a mediator between Popular Education and Social Pedagogy ( II ) : Related to Lifelong Learning	Faculty of Education	Takashi MIYAZAKI Keiko IKEDA	SoongHee HAN (Department of Education, Seoul National University)	1	Graduate	27/Jul/2019	01/Aug/2019
G061	Re-thinking Freire: as a mediator between Popular Education and Social Pedagogy ( III ) : Related to Social Pedagogy	Faculty of Education	Takashi MIYAZAKI Keiko IKEDA	Daniel SCHUGURENSKY (School of Social Transformation, Arizona State University)	1	Graduate	27/Jul/2019	01/Aug/2019
G062	Re-thinking Freire: as a mediator between Popular Education and Social Pedagogy ( IV ) : Related to Youth Work and Community Education	Faculty of Education	Takashi MIYAZAKI Keiko IKEDA	Peta OHATA (Institution of Youth Work)	1	Graduate	27/Jul/2019	01/Aug/2019
G063	International Course on Integrated Marine Biology and Ecology II: Marine Ecology of Seagrass and Seaweed Communities	Graduate School of Environmental Science	Masahiro NAKAOKA Tomonori ISADA Ippei SUZUKI	Yoshiyuki TANAKA (Hachinohe Institute of Technology)	1	Graduate	29/Jul/2019	03/Aug/2019
G064	Special Lecture of Cosmosciences 1 (Practice of optical remote-sensing)	Graduate School of Science	Yukihiko TAKAHASHI		1	Master	29/Jul/2019	31/Jul/2019
G065	Introduction to the theory of geometric equations	Graduate School of Science	Nao HAMAMUKI	Antonio SICONOLFI (Mathematics Department, University of Rome "La Sapienza")	1	Master	26/Aug/2019	30/Aug/2019
G066	Modern Day Materials	Graduate School of Science	Yoshihiko IHARA	Lee MARTIN (Nottingham Trent University)	2	Graduate	29/Jul/2019	09/Aug/2019
G067	Field Work Training I for PARE: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	Junjiro NEGISHI Ryusuke HATANO Satoshi KOIKE Hajime MATSUSHIMA Toshifumi IGARASHI Tsubasa OTAKE Ryo TAKEDA John Richard BOWER Masayuki IKEBE Takashi INOUE	Chantha OEURN (Institute of Technology of Cambodia)	2	Graduate	29/Jul/2019	09/Aug/2019
G068	Seminar I for PARE: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	Junjiro NEGISHI Ryusuke HATANO Satoshi KOIKE Hajime MATSUSHIMA Toshifumi IGARASHI Tsubasa OTAKE Ryo TAKEDA John Richard BOWER Masayuki IKEBE Takashi INOUE	Chantha OEURN (Institute of Technology of Cambodia)	1	Graduate	29/Jul/2019	09/Aug/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G069	Special Lecture in Protein Science, protein function in health and disease, beyond the ribosomal amino acids (Soft Matter Structural Analysis)	Graduate School of Life Science	Tomoyasu AIZAWA	Hans J. VOGEL (University of Calgary)	1	Graduate	01/Aug/2019	07/Aug/2019
G070	Special Training in Protein Science (Special Training on NMR in Life Science)	Graduate School of Life Science	Tomoyasu AIZAWA	Hiroaki ISHIDA (University of Calgary) Izuru KAWAMURA (Yokohama National University) Ryo KITAHARA (Ritsumeikan University) Kenji SUGASE (Graduate School of Engineering, Kyoto University)	1	Graduate	29/Jul/2019	09/Aug/2019
G071	Wood construction in arctic region	Faculty of Engineering	Taro MORI Takeo OZAWA	Atsushi TAKANO (Graduate School of Engineering, Kagoshima University) Janne PIHLAJANIEMI (Oulu School of Architecture, University of Oulu)	1	Master	29/Jul/2019	01/Aug/2019
G072	Leading and Advanced Biological and Polymer Chemistry and Engineering IA (Frontier of Atomic, Molecular, and Polymer Thin Films and Related Assembly)	Graduate School of Chemical Sciences and Engineering	Kazuki SADA Akira KAKUGO	Kostas SARAΚINOS (Associate Professor, Division Head, Nanoscale Engineering Division, Department of Physics, Chemistry and Biology (IFM), Linköping University)	1	Graduate	27/Aug/2019	30/Aug/2019
G073	Leading and Advanced Molecular Chemistry and Engineering IA (Frontier of Biomolecular and Surface Analysis)	Graduate School of Chemical Sciences and Engineering	Kei MURAKOSHI	Hogan YU (Department of Chemistry, Simon Fraser University)	1	Graduate	30/Jul/2019	01/Aug/2019
G074	Leading and Advanced Biological and Polymer Chemistry and Engineering IB (Synthesis and Application of π-Conjugated Polymers)	Graduate School of Chemical Sciences and Engineering	Takuya YAMAMOTO Toshifumi SATOH	Michael TURNER (School of Chemistry, The University of Manchester)	1	Graduate	19/Aug/2019	23/Aug/2019
G075	Leading and Advanced Biological and Polymer Chemistry and Engineering IIC (Organic synthesis driven Chemical Biology)	Graduate School of Chemical Sciences and Engineering	Hideaki OIKAWA	Tao YE (Shenzhen Graduate School, Peking University)	1	Graduate	22/Jul/2019	25/Jul/2019
G076	Temporomandibular Joint - Function and Disorders -	Faculty of Dental Medicine	Taro ARIMA	Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark)	1	Ph.D	31/Jul/2019	01/Aug/2019
G077	Training Course for Electrophysiology	Faculty of Pharmaceutical Sciences	Masabumi MINAMI Taiju AMANO Hiroshi NOMURA Takayuki YOSHIDA		2	Graduate	29/Jul/2019	02/Aug/2019
G078	Advanced and Comprehensive Studies on Chemical Hazard Control III: Comprehensive Studies on Chemical Hazard Control	Graduate School of Veterinary Medicine	Mayumi ISHIZUKA Toshio TSUBOTA Takashi KIMURA Kenichi OTSUGURO Manabu IGARASHI Osamu ICHII		1	Graduate	30/Jul/2019	13/Aug/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G079	Special lecture of the basics of biomedicine	Faculty of Pharmaceutical Sciences	Katsumi MAENAKA Satoshi ICHIKAWA Akira MATSUDA Naoyoshi MAEDA Atsushi FURUKAWA Hideo FUKUHARA Takashi TADOKORO Takao NOMURA Shunsuke KITA	Sarah L ROWLAND-JONES (University of Oxford) Simon J Davis (Nuffield Department of Clinical Medicine, University of Oxford) Jose Manuel Martinez CAAVEIRO (Graduate School of Pharmaceutical Sciences, Kyushu University) Takashi SAITOH (Hokkaido Pharmaceutical University) Kota KODAMA (Ritsumeikan University)	1	Graduate	30/Jul/2019	07/Aug/2019
G080	Cyber Security	Graduate School of Information Science and Technology	Yoshikazu MIYANAGA	Priyadarsi NANDA (School of Electrical and Data Engineering, University of Technology, Sydney)	1	Graduate	31/Jul/2019	09/Aug/2019
G081	Introduction to Artificial Intelligence, Big Data, and Cybersecurity for Graduate Students	Graduate School of Information Science and Technology	Masaharu YOSHIOKA Hiroki ARIMURA Thomas ZEUGMANN Satoshi OYAMA Hiroyuki IIZUKA	Amir HOUMANSADR (College of Information and Computer Sciences, University of Massachusetts Amherst)	1	Graduate	31/Jul/2019	06/Aug/2019
G082	Pain System	Faculty of Dental Medicine	Taro ARIMA	Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark)	1	Ph.D	07/Aug/2019	08/Aug/2019
G083	Special lecture of the state-of-the-art drug development	Faculty of Pharmaceutical Sciences	Katsumi MAENAKA Satoshi ICHIKAWA Akira MATSUDA Naoyoshi MAEDA Atsushi FURUKAWA Hideo FUKUHARA Takashi TADOKORO Takao NOMURA Shunsuke KITA	Sarah L ROWLAND-JONES (University of Oxford) Simon J Davis (Nuffield Department of Clinical Medicine, University of Oxford) Hironori NAKAMURA (Biomodeling Research Co., Ltd.) Jose Manuel Martinez CAAVEIRO (Graduate School of Pharmaceutical Sciences, Kyushu University) Takashi SAITOH (Hokkaido Pharmaceutical University) Kota KODAMA (Ritsumeikan University)	1	Graduate	01/Aug/2019	08/Aug/2019
G084	Ocean Sustainability (Marine environments, Resources, Blue Growth & Blue Economy)	Graduate School of Science	Helena FORTUNATO Masahiro NAKAOKA	Hiroyuki MATSUDA (Faculty of Environment and Information Sciences, Yokohama National University)	1	Graduate	02/Aug/2019	09/Aug/2019
G085	Special Lecture on Drug Discovery Science II (Biocamp)	Faculty of Pharmaceutical Sciences	Katsumi MAENAKA Kenji MONDE	Kota KODAMA (Ritsumeikan University) Other several members estimate	1	Graduate	03/Aug/2019	04/Aug/2019
G086	Rebun International Anthropological Field School	Center for Ainu and Indigenous Studies	Hirofumi KATO Shiaki KONDO	Joe WATKINS (Department of Anthropology, University of Maryland) Thomas THORNTON (School of Geography, University of Oxford)	2	Master	04/Aug/2019	25/Aug/2019
G087	RJE3 Special Seminar I: Rebun International Anthropological Field School	Center for Ainu and Indigenous Studies	Hirofumi KATO Shiaki KONDO	Alexsander POPOV (Education and Science Museum, Far Eastern Federal University) Alexsander VASILEVSKIJ (Institute of Humanities, Sakhalin State University)	2	Master	04/Aug/2019	25/Aug/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G088	Regional Sciences: General Theory of Invasive Alien Species Management 2019	Graduate School of Humanities and Human Sciences	Tohru IKEDA	Phil COWAN (Landcare Research (Wildlife Ecology & Management), New Zealand)	2	Graduate	05/Aug/2019	09/Aug/2019
G089	Philosophy: Introduction to Enactivism: Moving to Know, Knowing to Move	Graduate School of Humanities and Human Sciences	Shigeru TAGUCHI	Tom FROESE (Institute of Applied Mathematics and Systems Research, National Autonomous University of Mexico) Masatoshi YOSHIDA (Department of Developmental Physiology, National Institute for Physiological Sciences)	2	Graduate	05/Aug/2019	09/Aug/2019
G090	International Course on Integrated Marine Biology and Ecology III: Marine Ecology of Plankton Community	Graduate School of Environmental Science	Masahiro NAKAOKA Tomonori ISADA Ippei SUZUKI	Hongbin LIU (Division of Life Science, The Hong Kong University of Science and Technology)	1	Graduate	05/Aug/2019	10/Aug/2019
G091	Advanced Nuclear Waste Management	Graduate School of Engineering	Naoko WATANABE Tamotsu KOZAKI	Tomo SUZUKI-MURESAN (Department of Subatech, Institut Mines Telecom Atlantique - IMTA)	1	Graduate	05/Aug/2019	09/Aug/2019
G092	Mastication	Faculty of Dental Medicine	Taro ARIMA	Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark)	1	Ph.D	05/Aug/2019	06/Aug/2019
G093	Space Policy of the World and Japan	Graduate School of Public Policy	Kazuto SUZUKI	Yasuhiro FUKUSHIMA (National Institute for Defense Studies)	2	Graduate	05/Aug/2019	09/Aug/2019
G094	Advanced and Comprehensive Studies on Chemical Hazard Control II: Chemical Analyses	Graduate School of Veterinary Medicine	Mayumi ISHIZUKA Yoshinori IKENAKA Shouta NAKAYAMA	Manuel Ramiro Dias PASTORINHO (Faculty of Health Sciences, University of Beira Interior)	2	Graduate	06/Aug/2019	09/Aug/2019
G095	Methodology and Strategy of Scientific Research Work - from experimental protocol to publication -	Faculty of Dental Medicine	Taro ARIMA	Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark) Ricardo Marins de CARVALHO (Department of Oral Biological and Medical Sciences, Faculty of Dentistry, The University of British Columbia)	1	Ph.D	29/Jul/2019	30/Jul/2019
G096	Logic: Introduction to Logic 2019	Graduate School of Humanities and Human Sciences	Katsuhiko SANO Tomoyuki YAMADA		2	Graduate	13/Aug/2019	17/Aug/2019
G097	Advanced Aquaculture Biology I	Graduate School of Fisheries Sciences	Shinji ADACHI Naoshi HIRAMATSU Takashi TODO	Ozlem YILMAZ (Austevoll Research Station, Institute of Marine Research)	1	Master	13/Aug/2019	23/Aug/2019
G098	Subjects on Fundamental Veterinary Science Advanced Wildlife and Conservation Medicine	Graduate School of Veterinary Medicine	Toshio TSUBOTA Seiji KATAGIRI Michito SHIMOZURU Mariko SASHIKA	Anna Louise MEREDITH (School of Veterinary Medicine, University of Melbourne)	1	Ph.D	15/Aug/2019	19/Aug/2019
G099	Contemporary Philosophy: Dynamic Epistemic Logic and its Applications 2019	Graduate School of Humanities and Human Sciences	Katsuhiko SANO Tomoyuki YAMADA	Hans van DITMARSCH (Lorraine Research Laboratory in Computer Science and its Applications, Centre National de la Recherche Scientifique)	2	Graduate	19/Aug/2019	23/Aug/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G100	RJE3 Special Seminar I: Fieldwork on Development Technologies in Cold Region	Graduate School of Engineering	Tsuyoshi SETOGUCHI Masaru KIKUCHI Takeo OZAWA		2	Graduate	19/Aug/2019	25/Aug/2019
G101	Medical Physics School	Graduate School of Biomedical Science and Engineering	Hiroki SHIRATO Kikuo UMEGAKI Shinichi SHIMIZU Masayori ISHIKAWA Hironobu YASUI Naoki MIYAMOTO Taeko MATSUURA Seishin TAKAO Sodai TANAKA	Lei XING (Department of Radiation Oncology, Stanford University) Amato John GIACCIA (Department of Radiation Oncology, Stanford University)	2	Master	19/Aug/2019	23/Aug/2019
G102	Radiation Biology School	Graduate School of Biomedical Science and Engineering	Hiroki SHIRATO Osamu INANAMI Hironobu YASUI Yasuhiro ONODERA Jin-Min NAM	Amato John GIACCIA (Department of Radiation Oncology, Stanford University) Lei XING (Department of Radiation Oncology, Stanford University)	2	Master	19/Aug/2019	22/Aug/2019
G103	Fisheries Engineering I	Graduate School of Fisheries Sciences	Tsutomu TAKAGI	Holger KORTE (Jade-University of Applied Sciences, Germany)	1	Master	22/Jul/2019	26/Jul/2019
G104	Introduction to Far East and Arctic Studies RJE3 Program: Environment, Culture and Sustainable Development	Center for Ainu and Indigenous Studies	Hirofumi KATO Shinichiro TABATA Atsuko SUGIMOTO Tsuyoshi SETOGUCHI		2	Master	26/Aug/2019	30/Aug/2019
G105	Software Defined Networks	Graduate School of Information Science and Technology	Yoshikazu MIYANAGA	Mehran ABOLHASAN (School of Electrical and Data Engineering, University of Technology, Sydney) Justin LIPMAN (School of Electrical and Data Engineering, University of Technology, Sydney)	1	Graduate	29/Aug/2019	09/Sep/2019
G106	RJE3 Special Seminar I: Past and present of Hokkaido: history of Ishikari and Sorachi	Graduate School of Humanities and Human Sciences	Asahiko SHIRAKIZAWA		2	Graduate	03/Sep/2019	06/Sep/2019
G107	Life Science Special Lecture III (Advanced Fluorescence Microscopy in Life Science Research)	Graduate School of Life Science	Masataka KINJO	Vladana VUKOJEVIC (Center for Molecular Medicine (CMM), Karolinska Institute) Thorsten WOHLAND (National University of Singapore) Yasushi HIRAOKA (Graduate School of Frontier Biosciences, Osaka University) Tokuko HARAGUCHI (Advanced ICT Research Institute Kobe, National Institute of Information and Communications Technology) Hiroshi KIMURA (Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology) Ikuro WADA (Fukushima Medical University)	1	Graduate	09/Sep/2019	15/Sep/2019
G108	Life science special lecture III (Practical bioimaging workshop for life sciences)	Graduate School of Life Science	Masataka KINJO Akira KITAMURA Johtarō YAMAMOTO	Vladana VUKOJEVIC (Center for Molecular Medicine (CMM), Karolinska Institute) Thorsten WOHLAND (National University of Singapore) Sho OASA (Karolinska Institute)	1	Graduate	09/Sep/2019	15/Sep/2019

No	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Duration	
G109	Advanced Course on Synthetic Organic Chemistry in Pharmaceutical Sciences	Faculty of Pharmaceutical Sciences	Shigeki MATSUNAGA Tatsuhiko YOSHINO Masahiro KOJIMA		1	Graduate	09/Sep/2019	12/Sep/2019
G110	Blockchain	Graduate School of Information Science and Technology	Yoshikazu MIYANAGA	Ying HE (School of Electrical and Data Engineering, University of Technology, Sydney)	1	Graduate	10/Sep/2019	19/Sep/2019
G111	Integrated Materials and Life Science (Molecular Cell Dynamics Science I and II)	Graduate School of Life Science	Masataka KINJO	Vladana VUKOJEVIC (Center for Molecular Medicine (CMM), Karolinska Institute) Thorsten WOHLAND (National University of Singapore)	1	Graduate	13/Sep/2019	15/Sep/2019
G112	Training course for Drug Delivery	Faculty of Pharmaceutical Sciences	Hideyoshi HARASHIMA Yuma YAMADA Takashi NAKAMURA Yusuke SATO Ikramy KHALIL	Peter CULLIS (Department of Biochemistry and Molecular Biology, The University of British Columbia)	2	Graduate	13/Sep/2019	18/Sep/2019
G113	Musculoskeletal Biomechanics	Faculty of Engineering	Masahiro TODOH	Ashvin THAMBYAH (Chemical and Materials Engineering, University of Auckland)	1	Graduate	18/Sep/2019	25/Sep/2019
G115	Special Lecture on Antarctic Science II	Institute of Low Temperature Science	Shin SUGIYAMA Manabu FUKUI	Heinz BLATTER (Institute for Atmospheric and Climate Science, Swiss Federal Institute of Technology) Wilhelm HAGEN (Department of Marine Zoology, Bremen University)	2	Master	19/Sep/2019	8/Oct/2019
G116	Laboratory short course on stable isotopes	Faculty of Environmental Earth Science	Tomohisa IRINO Yoshito CHIKARAISHI Atsuko SUGIMOTO Osamu SEKI Yuko TAKIZAWA	Kyung-Hoon SHIN (Department of Marine Sciences and Convergent Technology, Hanyang University)	2	Graduate	07/Oct/2019	11/Oct/2019