

### Course Number List for Graduate Level

\*Course duration includes activities such as travel and orientation related to classes.  
\*Please refer to the timetable of the course page for details.

No	Course Code	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Capacity	Duration		Class Room
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	30	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	40	03/Jun/2019	11/Jun/2019	
G003		Advanced Biomechanics	Faculty of Engineering	Toshiro OHASHI	Daniel L BADER (University of Southampton, UK) Peter VS LEE (Department of Mechanical Engineering, University of Melbourne, Australia)	2	Graduate	30	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	30	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	7	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	7	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	50	05/Jun/2019	11/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	20	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	50	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	50	10/Jun/2019	13/Jun/2019	[Sapporo Campus]Conference Room on 1st Floor , Research Institute for Electronic Science, Northern Campus, Hokkaido University, Kita 20, Nishi 10
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	25	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	40	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	25	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	50	18/Jun/2019	21/Jun/2019	

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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	25	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	100	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	25	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	30	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	30	24/Jun/2019	05/Jul/2019	
G020		Natural Products Chemistry	Faculty of Pharmaceutical Sciences	Toshiyuki WAKIMOTO Kenichi MATSUDA		1	Graduate	30	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 Edward PULFORD Naomi CHI	Christopher LEN (Energy Studies Institute, National University of Singapore) Andrei LANKOV (Department of Liberal Arts, Kookmin University) Edward BOYLE (Department of Political Science, Kyushu University)	1	Graduate	50	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	70	25/Jun/2019	28/Jun/2019	
G023		Governance and Public Policy in the Globalized World	Faculty of Public Policy	Naomi CHI	Anna CASAGLIA (Karelian Institute, University of Eastern Finland) Mirza Zulfiqur RAHMAN Alexander BUKH (Department of Political Science, University of Victoria)	1	Graduate	50	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 Kunihiko KISHI		1	Graduate	40	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	10	01/Jul/2019	10/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	30	01/Jul/2019	05/Jul/2019	

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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	30	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	30	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	20	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	30			
G032		Researchers & Creators : Think about forest (leather)	CoSTEP, Institute for the Advancement of Higher Education	Hyunjung PARK Motoko OKUMOTO	Mihye NAM (Shumisha) Jiyeon LEE (CONE Leather Studio)	2	Master	20	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 Karibu 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	10	03/Jul/2019	11/Jul/2019	
G034		Academic Paper-Writing Workshop for Cultural and Social Psychological Journals 2019	Graduate School of Letters	Masaki YUKI	Takahiko MASUDA (Department of Psychology, University of Alberta) Sawa SENZAKI (Human Development and Psychology Departments, University of Wisconsin-Green Bay)	1	Graduate	8	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	50	08/Jul/2019	12/Jul/2019	
G036		Special Study of Global Economy and Business	Graduate School of Economics and Business	Tetsuhiko TAKAI	Invited lecturer (Department of Economics, College of Social Science, National Taiwan University) Invited lecturer (Faculty of Economics, Yonsei University)	2	Master	20	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	30	09/Jul/2019	12/Jul/2019	
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	20	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	15/Jul/2019	20/Jul/2019	

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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	40	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	50	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	20	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) Evgeny A PIDKO (Faculty of Applied Sciences, Department of Chemical Engineering, Delft University of Technology)	1	Graduate	30	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	10	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	15	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	Joel Joseph Jr. Sacro MARCIANO (Department of Science and Technology, Advanced Science And Technology Institute (ASTI), Philippines) Koo Voon CHET (Faculty of Engineering and Technology, Multimedia University, Malaysia) Ngo Duc THANH (University of Science & Technology of Hanoi (VAST-USTH), Vietnam)	1	Master	40	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 MOCCI (Faculty of Science, Bologna University)	1	Graduate	40	22/Jul/2019	25/Jul/2019	
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	25	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	50	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	Master	50	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	15	22/Jul/2019	02/Aug/2019	

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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	30	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	10	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	20	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	30	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	50	24/Jul/2019	02/Aug/2019	
G057		Comparative Public Policy	Graduate School of Law	Mikine YAMAZAKI	Naonori KODATE (University College Dublin)	1	Graduate	25	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	12	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 Tomonori ISHIOKA Keiko IKEDA	Anna Marie A. KARAOS (Ateneo de Manila University)	1	Graduate	40	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 Tomonori ISHIOKA Keiko IKEDA	SoongHee HAN (Department of Education, Seoul National University)	1	Graduate	40	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 Tomonori ISHIOKA Keiko IKEDA	Daniel SCHUGURENSKY (School of Social Transformation, Arizona State University)	1	Graduate	40	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 Tomonori ISHIOKA Keiko IKEDA	Peta OHATA (Institution of Youth Work)	1	Graduate	40	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	15	29/Jul/2019	03/Aug/2019	
G064		Special Lecture of CosmoSciences 1 (Practice of optical remote-sensing)	Graduate School of Science	Yukihiro TAKAHASHI		1	Master	25	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	40	26/Aug/2019	30/Aug/2019	
G066		Modern Day Materials	Graduate School of Science	Yoshihiko IHARA	Lee MARTIN (Nottingham Trent University)	2	Graduate	15	29/Jul/2019	09/Aug/2019	

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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 OEURNG (Institute of Technology of Cambodia)	2	Graduate	40	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 OEURNG (Institute of Technology of Cambodia)	1	Graduate	40	29/Jul/2019	09/Aug/2019	
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	40	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	10	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	20	29/Jul/2019	01/Aug/2019	
G072		Leading and Advanced Biological and Polymer Chemistry and Engineering IA (Frontier of Biophysical Analysis of Biomolecules)	Graduate School of Chemical Sciences and Engineering	Koichiro ISHIMORI		1	Graduate	0			
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	20	30/Jul/2019	01/Aug/2019	
G074		Leading and Advanced Biological and Polymer Chemistry and Engineering IB (Synthesis and Application of n-Conjugated Polymers)	Graduate School of Chemical Sciences and Engineering	Takuya YAMAMOTO Toshifumi SATOH	Michael TURNER (School of Chemistry, The University of Manchester)	1	Graduate	50	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		1	Graduate	0			
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	40	29/Jul/2019	30/Jul/2019	
G077		Training Course for Electrophysiology	Faculty of Pharmaceutical Sciences	Masabumi MINAMI Taiju AMANO Hiroshi NOMURA Takayuki YOSHIDA		2	Graduate	12	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	10	30/Jul/2019	13/Aug/2019	

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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) Robert Thompson WALTON (Queen Mary, University of London) 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	30/Jul/2019	06/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	25	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	35	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	40	31/Jul/2019	01/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) Robert Thompson WALTON (Queen Mary, University of London) 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	01/Aug/2019	08/Aug/2019	
G084		Ocean Sustainability (Marine environments, Resources, Blue Growth & Blue Economy)	Graduate School of Science	Helena FORTUNATO Masahiro NAKAOKA	Teresa BORGES (Faculty of Sciences and Technology, University of Algarve, Portugal)	1	Graduate	15	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	40	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	8	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	8	04/Aug/2019	25/Aug/2019	
G088		Regional Sciences: General Theory of Invasive Alien Species Management 2019	Graduate School of Letters	Tohru IKEDA	Phil COWAN (Landcare Research (Wildlife Ecology & Management), New Zealand)	2	Graduate	50	05/Aug/2019	09/Aug/2019	
G089		Philosophy: Introduction to Enactivism: Moving to Know, Knowing to Move	Graduate School of Letters	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	25	05/Aug/2019	09/Aug/2019	

No	Course Code	Course Title	Organizing Institution	Instructor(Hokkaido Univ)	Instructor(Other)	Credit	Level	Capacity	Duration		Class Room
G090		International Course on Integrated Marine Biology and Ecology III: Marine Ecology of Plankton Community	Graduate School of Environmental Science	Masahiro NAKAOKA Tomonori ISADA Ipppei SUZUKI	Hongbin LIU (Division of Life Science, The Hong Kong University of Science and Technology)	1	Graduate	15	05/Aug/2019	10/Aug/2019	
G091		Advanced Nuclear Waste Management	Graduate School of Engineering	Naoko WATANABE Tamotsu KOZAKI	Tomo SUZUKI-MURESAN (Department of Subtech, Institut Mines Telecom Atlantique - IMTA)	1	Graduate	15	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	40	05/Aug/2019	06/Aug/2019	
G093		Space Policy of the World and Japan	Graduate School of Public Policy	Kazuto SUZUKI	Yasuhito FUKUSHIMA (National Institute for Defense Studies)	2	Graduate	30	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	5	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	40	07/Aug/2019	08/Aug/2019	
G096		Logic: Introduction to Logic 2019	Graduate School of Letters	Katsuhiko SANO Tomoyuki YAMADA		2	Graduate	15	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	40	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	20	15/Aug/2019	19/Aug/2019	
G099		Contemporary Philosophy: Dynamic Epistemic Logic and its Applications 2019	Graduate School of Letters	Katsuhiko SANO Tomoyuki YAMADA	Hans van DITMARSCH (Lorraine Research Laboratory in Computer Science and its Applications, Centre National de la Recherche Scientifique)	2	Graduate	15	19/Aug/2019	23/Aug/2019	
G100		RJE3 Special Seminar I: Fieldwork on Development Technologies in Cold Region	Graduate School of Engineering	Tsuyoshi SETOGUCHI Masaru KIKUCHI Takeo OZAWA		2	Graduate	10	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	30	19/Aug/2019	23/Aug/2019	
G102		Radiation Biology School	Graduate School of Biomedical Science and Engineering	Hiroki SHIRATO Osamu INANAMI Hironobu YASUI Yasuhito ONODERA Jin-Min NAM	Amato John GIACCIA (Department of Radiation Oncology, Stanford University) Lei XING (Department of Radiation Oncology, Stanford University)	2	Master	30	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	30	26/Aug/2019	30/Aug/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	50	26/Aug/2019	30/Aug/2019	

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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	25	29/Aug/2019	09/Sep/2019	
G106		RJE3 Special Seminar I: Past and present of Hokkaido: history of Ishikari and Sorachi	Graduate School of Letters	Asahiko SHIRAKIZAWA		2	Graduate	40	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) Ikuo WADA (Fukushima Medical University)	1	Graduate	16	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 Johtaro YAMAMOTO	Vladana VUKOJEVIC (Center for Molecular Medicine (CMM), Karolinska Institute) Thorsten WOHLAND (National University of Singapore) Sho OASA (Karolinska Institute)	1	Graduate	8	09/Sep/2019	15/Sep/2019	
G109		Advanced Course on Synthetic Organic Chemistry in Pharmaceutical Sciences	Faculty of Pharmaceutical Sciences	Shigeki MATSUNAGA Tatsuhiko YOSHINO Masahiro KOJIMA		1	Graduate	25	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	25	10/Sep/2019	20/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	8	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	10	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	30	18/Sep/2019	25/Sep/2019	
G114		Introductory course on biodiversity redistribution under climate change: a new challenge to sustainability	Arctic Research Center	Jorge Garcia MOLINOS Tomomichi KATO Ram AVTAR	Gretta PECL (Institute of Marine and Antarctic Studies, University of Tasmania)	1	Master	25	24/Sep/2019	26/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	30	03/Oct/2019	18/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	30	07/Oct/2019	11/Oct/2019	