

# 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	Non-Students Eligibility	Capacity	Duration		Course Format	Online Course Delivery Mode	Class Room
G001		Independent Study in Science 2021 (Graduate)	Graduate School of Science	KAWAMURA Hiroshi	Faculty members of the Graduate School of Science	2	Graduate	Not Applicable	5	01/Jun/2021	15/Sep/2021	On-campus (no online)		
G002		Independent Study in Life Science 2021 (Graduate)	Graduate School of Life Science	FUJITA Tomomichi KAWAMURA Hiroshi	Faculty members, Graduate School of Life Science	2	Graduate	Not Applicable	5	01/Jun/2021	15/Sep/2021	On-campus (no online)		
G003		Introduction to Flight Dynamics	Graduate School of Engineering	TAKAHASHI Yusuke	TERASHIMA Hiroshi (Faculty of Engineering, Hokkaido University) Ali GUELHAN (Institute of Aerodynamics and Flow Technology, German Aerospace Centre)	2	Master	Not Applicable	40	01/Jun/2021	11/Jun/2021	On-campus or Online	Live	
G004		Special Lecture on Drug Discovery Science I (Life innovation seminar)	Faculty of Pharmaceutical Sciences	MAENAKA Katsumi MONDE Kenji NISHIMURA Shin-Ichiro	KODAMA Kota (Ritsumeikan University) NIWA Makoto (Discovery Research Laboratories, Nippon Shinyaku Co., Ltd.) Arisa DJURIAN (Takeda Development Center Japan, Takeda Pharmaceutical Company Limited)	1	Master	OK	100	03/Jun/2021	29/Jul/2021	On-campus or Online	Live	
G005		Leading and Advanced Materials Chemistry and Engineering IIIC (Instrumentation Chemistry)	Graduate School of Chemical Sciences and Engineering	HASEGAWA Yasuchika KITAGAWA Yuichi		1	Master	Not Applicable	140	07/Jun/2021	10/Jun/2021	On-campus or Online	Live	
G006		Leading and Advanced Materials Chemistry and Engineering IIID (Corrosion Engineering)	Graduate School of Chemical Sciences and Engineering	AZUMI Kazuhisa		1	Graduate	OK	45	07/Jun/2021	10/Jun/2021	Online		
G007		Diversity in Agriculture	Graduate School of Global Food Resources	YAMADA Toshihiko SONE Teruo UCHIDA Yoshitaka TAKASUKA Taichi MITANI Tomohiro	Amanda BAYER (University of Massachusetts)	1	Master	OK	25	08/Jun/2021	11/Jun/2021	On-campus or Online	Live and On Demand	
G008		Elasticity	Graduate School of Engineering	KATO Hiroyuki		2	Graduate	Not Applicable	30	14/Jun/2021	23/Jun/2021	On-campus or Online	On Demand	
G009		Leading and Advanced Materials Chemistry and Engineering IIIA (Nano-Assembled Materials Chemistry)	Graduate School of Chemical Sciences and Engineering	Jinhua YE SHIRAHATA Naoto		1	Graduate	OK	20	05/Oct/2021	08/Oct/2021	On-campus or Online	Live and On Demand	
G010		Leading and Advanced Biological and Polymer Chemistry and Engineering IIIB (Modern Trends in Organic Chemistry and Biological Chemistry)	Graduate School of Chemical Sciences and Engineering	MAEDA Satoshi SUZUKI Takanori IKEUCHI Kazutada MINAMI Atsushi KAMADA Rui ISHIYAMA Tatsuo YAMAMOTO Takuya SATO Seichi MURAKAMI Yota		1	Graduate	OK	45	14/Jun/2021	17/Jun/2021	On-campus or Online	Live	
G011		Methodology for Making Scientific Research Works	Faculty of Dental Medicine	ARIMA Taro	Ricardo Marins de CARVALHO (Department of Oral Biological and Medical Sciences, Faculty of Dentistry, The University of British Columbia, Canada) Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark)	1	Graduate	Not Applicable	32	14/Jun/2021	15/Jun/2021	On-campus or Online		
G012		Environmental Health and Sustainable Development Goals I	Center for Environmental and Health Sciences	ARAKI Atsuko	Marco MARTUZZI (WHO Asia-Pacific Centre for Environment and Health in the Western Pacific Region, WHO) Paul JAGALS (Child Health Research Centre, University of Queensland) Colleen LAU (Department of Global Health, Australian National University) Le Thai HA (National Institute of Occupational and Environmental Health (NIOEH) , Vietnam)	1	Graduate	OK	30	14/Jun/2021	18/Jun/2021	On-campus or Online	Live	
G013		Human-Computer Interaction	Graduate School of Information Science and Technology	SAKAMOTO Daisuke ONO Tetsuo	James Everett YOUNG (Department of Computer Science, University of Manitoba)	2	Master	OK	30	15/Jun/2021	24/Jun/2021	On-campus or Online	Live and On Demand	

G014		How to do the presentations at international congress?	Faculty of Dental Medicine	ARIMA Taro	Ricardo Marins de CARVALHO (Department of Oral Biological and Medical Sciences, Faculty of Dentistry, The University of British Columbia, Canada) Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark) Zeff B BRICKLIN (Faculty of Humanities, Hokkai-Gakuen University)	1	Graduate	Not Applicable	32	17/Jun/2021	18/Jun/2021	On-campus or Online		
G015		Machine Learning in Geoscience	Faculty of Environmental Earth Science	Ram AVTAR	Prakhar MISRA (Research Institute for Humanity and Nature, Kyoto, Japan) Ashwani KUMAR (Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, India)	1	Master	OK	25	21/Jun/2021	25/Jun/2021	On-campus or Online	Live and On Demand	
G016		Advanced Physics and Technology of Materials - Application -	Graduate School of Engineering	MATSUDA Osamu		1	Master	OK	20	21/Jun/2021	24/Jun/2021	Online	Live and On Demand	
G017		How to get published in international journals with impact factors?	Faculty of Dental Medicine	ARIMA Taro	Ricardo Marins de CARVALHO (Department of Oral Biological and Medical Sciences, Faculty of Dentistry, The University of British Columbia, Canada) Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark)	1	Graduate	Not Applicable	32	21/Jun/2021	22/Jun/2021	On-campus or Online		
G018		Bioinformatics and Computational Biology	Graduate School of Infectious Diseases	ITO Kimihito KOYANAGI Kanako IGARASHI Manabu OMORI Ryosuke		1	Ph.D	OK	10	21/Jun/2021	01/Jul/2021	On-campus or Online	On Demand	
G019		Mammalian Brain Morphology: From specimen collection to mathematical modeling	Institute for the Advancement of Higher Education	Nina PATZKE Khin Khin THA	Bruno MOTA (Faculty of Physics, Federal University of Rio de Janeiro)	1	Graduate	OK	12	21/Jun/2021	25/Jun/2021	On-campus or Online	Live	
G020		Environmental Health and Sustainable Development Goals II	Center for Environmental and Health Sciences	ARAKI Atsuko YAMAUCHI Taro KISHI Reiko Kritika POUDEL OKINO Tatsufumi	TBD (JICA Sapporo, Japan International Cooperation Agency (JICA) ) KAWAKAMI Tsuyoshi (International Labour Organization (ILO) )	1	Graduate	OK	30	21/Jun/2021	25/Jun/2021	On-campus or Online	Live	
G021		Researchers & Creators: Think about Forest (glass)	Institute for the Advancement of Higher Education	Hyunjung PARK	INOUE AKI	1	Master	OK	20	22/Jun/2021	25/Jun/2021	On-campus or Online	Live and On Demand	
G022		Introduction of TMD (Temporomandibular Disorders)	Faculty of Dental Medicine	ARIMA Taro	Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark)	1	Graduate	Not Applicable	32	24/Jun/2021	25/Jun/2021	On-campus or Online		
G023		Feline Tourism: The wonders of travelling to cats, travelling for cats, cats that are travelling, and cat hospitality	Research Faculty of Media and Communication	Johan EDELHEIM	Cecilia DE BERNARDI (Business and Tourism Studies, Dalarna University) Emilie CROSSLLEY (Research Faculty of Media and Communication, Hokkaido University)	1	Graduate	OK	30	28/Jun/2021	09/Jul/2021	On-campus or Online	Live and On Demand	
G024		Advanced Energy Structure Materials	Graduate School of Engineering	HASHIMOTO Naoyuki	Heung Nam HAN (Materials Science and Engineering, Seoul National University) Mi Young KIM (Materials Science and Engineering, Seoul National University)	2	Master	OK	40	28/Jun/2021	02/Jul/2021	Online	Live and On Demand	
G025		Orofacial Pain	Faculty of Dental Medicine	ARIMA Taro	Peter SVENSSON (Section of Orofacial Pain and Jaw Function, Department of Dentistry, Faculty of Health, Aarhus University, Denmark)	1	Graduate	Not Applicable	32	28/Jun/2021	29/Jun/2021	On-campus or Online		
G026		Academic Paper-Writing Workshop for Cultural and Social Psychological Journals 2021	Faculty of Humanities and Human Sciences	YUKI Masaki	MASUDA Takahiko (Department of Psychology, University of Alberta, Canada) SENZAKI Sawa (Human Development and Psychology Departments, University of Wisconsin-Green Bay, USA)	1	Ph.D	Not Applicable	10	28/Jun/2021	02/Jul/2021	On-campus (no online)		

G027	Advanced Marine Bioresource Science I	Graduate School of Fisheries Sciences	WATANUKI Yutaka	Mari-Anne LEA (Institute for Marine and Antarctic Studies, University of Tasmania)	1	Master	Not Applicable	20	05/Jul/2021	07/Jul/2021	On-campus (no online)		
G028	Climate and Disaster Challenges in the era of COVID-19	Faculty of Environmental Earth Science	Ram AVTAR	Akhlesh SURJAN (Humanitarian Response & Disaster Management Studies, Charles Darwin University, Australia)	1	Master	OK	25	05/Jul/2021	07/Jul/2021	On-campus or Online	Live and On Demand	
G029	Introduction to PARE II: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	KOBAYASHI Yasuo KONDO Takumi MATSUURA Hideyuki TAKAGI Yasuaki John Richard BOWER		1	Master	OK	40	05/Jul/2021	14/Jul/2021	On-campus or Online	Live and On Demand	
G030	Introduction to PARE I: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	NEGISHI Junjiro INOUE Takashi SHINANO Takuro KAMIYA Yuichi OKINO Tatsufumi		1	Master	OK	40	05/Jul/2021	14/Jul/2021	On-campus or Online	Live and On Demand	
G031	Introduction to PARE III: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	IGARASHI Toshifumi TOJO Yasumasa FUJITA Osamu IZUMI Norihiro KISHI Kunihiro		1	Master	OK	40	05/Jul/2021	14/Jul/2021	On-campus or Online	Live and On Demand	
G032	Imagining, Narrating and Representing Futures in a Precarious World	Faculty of Education	TSUCHIDA Eiko	OTSUKI Tomoe (Center for Japanese Studies, University of California, Berkeley)	1	Master	OK	20	05/Jul/2021	14/Jul/2021	On-campus or Online	Live	
G033	Advanced Fluid Engineering	Graduate School of Engineering	OSHIMA Nobuyuki WATANABE Masao MURAI Yuichi TASAKA Yuji KOBAYASHI Kazumichi	Peter FISCHER (Institute of Food, Nutrition and Health, ETH Zurich) TERASHIMA Hiroshi (Faculty of Engineering, Hokkaido University)	2	Master	OK	50	05/Jul/2021	16/Jul/2021	On-campus or Online	Live and On Demand	
G034	Sediment Transport	Graduate School of Engineering	IZUMI Norihiro	Enrica VIPARELLI (Department of Civil and Environmental Engineering, University of South Carolina)	2	Master	OK	30	12/Jul/2021	21/Jul/2021	On-campus or Online	Live and On Demand	
G035	Biomass energy utilization system	Faculty of Engineering	ISHII Kazuei OCHIAI Satoru		1	Master	OK	30	05/Jul/2021	08/Jul/2021	Online	Live	
G036	Leading and Advanced Biological and Polymer Chemistry and Engineering IA (Evolutionary Biophysics)	Graduate School of Chemical Sciences and Engineering	SAKAGUCHI Kazuyasu KAMADA Rui	Adrian SEROHJOS (Faculty of Medicine, University of Montreal)	1	Graduate	OK	37	05/Jul/2021	08/Jul/2021	On-campus (no online)		
G037	Leading and Advanced Materials Chemistry and Engineering IA (Advanced Materials for Clean Energy and Clean Environment)	Graduate School of Chemical Sciences and Engineering	TADANAGA Kiyoharu MIURA Akira Nataly Carolina ROSERO NAVARRO	Franklin JARAMILLO (Faculty of Engineering, University of Antioquia)	1	Graduate	OK	50	05/Jul/2021	09/Jul/2021	On-campus or Online	Live and On Demand	
G038	Leading and Advanced Materials Chemistry and Engineering II (Frontier of Bio-Electrochemistry)	Graduate School of Chemical Sciences and Engineering	MURAKOSHI Kei	Dechen JIANG (School of Chemistry and Chemical Engineering, Nanjing University)	1	Graduate	OK	20	05/Jul/2021	09/Jul/2021	On-campus or Online	Live and On Demand	
G039	Leading and Advanced Biological and Polymer Chemistry and Engineering IIIA (Introduction of Basic Biological Chemistry)	Graduate School of Chemical Sciences and Engineering	MURAKAMI Yota TAKAOKA Akinori MOTEGI Fumio		1	Graduate	OK	45	05/Jul/2021	08/Jul/2021	On-campus or Online	Live	
G040	Fundamentals in scientific communication-writing abstracts and poster design	Graduate School of Life Science	UEHARA Ryota	Mithilesh MISHRA (Department of Biological Sciences, Tata Institute of Fundamental research) Sarada BULCHAND (Duke-NUS Medical School, Singapore)	1	Master	OK	15	07/Jul/2021	09/Jul/2021	Online	Live and On Demand	
G041	Special Lecture of CosmoSciences 1 "Exploration of Requirement for Remote-Sensing in Asia"	Faculty of Science	TAKAHASHI Yukihiro	Joel Joseph Sacro MARCIANO (Philippine Space Agency) Thwin KYI (Myanmar Aerospace Engineering University) Chet Voon KOO (Faculty of Engineering and Technology, Multimedia University, Malaysia)	1	Master	OK	40	08/Jul/2021	13/Jul/2021	On-campus or Online	Live	
G042	International Course on Integrated Marine Biology and Ecology I	Field Science Center for Northern Biosphere	NAGASATO Chikako ICHIHARA Kensuke	Phaik Eem LIM (Institute of Ocean and Earth Science, University of Malaya) Joe ZUCCARELLO (School of Biological Sciences, Victoria University of Wellington)	1	Graduate	OK	15	09/Jul/2021	16/Jul/2021	On-campus (no online)		Muroran Marine Station, Field Science Center for Northern Biosphere

G043		Special Lecture in Protein Science (Soft Matter Structural Analysis 2021)	Graduate School of Life Science	AIZAWA Tomoyasu	Hans J. VOGEL (Bio-NMR Centre, University of Calgary)	1	Graduate	OK	40	12/Jul/2021	21/Jul/2021	On-campus (no online)		
G044		Special Training in Protein Science (Special Training on NMR in Life Science 2021)	Graduate School of Life Science	AIZAWA Tomoyasu	ISHIDA Hiroaki (University of Calgary) KAWAMURA Izuru (Yokohama National University) SUGASE Kenji (Graduate School of Engineering, Kyoto University)	1	Graduate	OK	40	12/Jul/2021	21/Jul/2021	On-campus (no online)		
G045		Leading and Advanced Molecular Chemistry and Engineering IIA (The Chemistry and Biology of Natural Products)	Graduate School of Chemical Sciences and Engineering	OHKUMA Takeshi	Xiaoguang LEI (Department of Chemical Biology, Peking University)	1	Graduate	OK	50	12/Jul/2021	14/Jul/2021	On-campus (no online)		
G046		Leading and Advanced Molecular Chemistry and Engineering IIC (Frontier of Nanocomposit Materials for Photo-Energy Conversion)	Graduate School of Chemical Sciences and Engineering	MURAKOSHI Kei	Eric Wei-Guang DIAU (Department of Applied Chemistry and Institute of Molecular Science, National Chiao Tung University)	1	Graduate	OK	20	12/Jul/2021	16/Jul/2021	On-campus or Online	Live and On Demand	
G047		Agricultural Resource Economics	Graduate School of Global Food Resources	SAITO Yoko	Ram PANDIT (The University of Western Australia)	1	Master	Not Applicable	25	12/Jul/2021	26/Jul/2021	On-campus or Online	Live and On Demand	
G048		Advanced Organometallic Chemistry for Synthetic Organic Chemistry	Faculty of Pharmaceutical Sciences	SATO Yoshihiro OONISHI Yoshihiro	Hsyueh-Liang WU (Department of Chemistry, National Taiwan Normal University)	1	Graduate	OK	50	12/Jul/2021	15/Jul/2021	On-campus or Online	Live and On Demand	
G049		Special Lecture of CosmoSciences 1 "Practice of optical remote-sensing"	Faculty of Science	TAKAHASHI Yukihiro		1	Master	OK	25	14/Jul/2021	16/Jul/2021	On-campus (no online)		
G050		Advanced Biomechanics	Graduate School of Engineering	OHASHI Toshiro	Peter VS LEE (Department of Mechanical Engineering, University of Melbourne, Australia)	1	Graduate	Not Applicable	20	14/Jul/2021	16/Jul/2021	Online	Live	
G051		State-of-the-Art Seismic Protection Systems using Variable Stiffness	Faculty of Engineering	SHIRAI Kazutaka	Kenneth WALSH (Department of Civil Engineering, Ohio University)	1	Graduate	OK	20	15/Jul/2021	20/Jul/2021	On-campus (no online)		
G052		Leading and Advanced Biological and Polymer Chemistry and Engineering IIIC (Advanced Applied Biochemistry)	Graduate School of Chemical Sciences and Engineering	MATSUMOTO Kenichiro	FUJITA Masahiro (Cluster for Pioneering Research, RIKEN)	1	Master	OK	50			On-campus or Online	Live	
G053		Introduction to Ainu and Indigenous Studies I: Indigenous Heritage, Repatriation and Intellectual Property Issues	Center for Ainu and Indigenous Studies	KATO Hirofumi ISHIHARA Mai	George NICHOLAS (Department of Archaeology, Simon Fraser University) Carl-Gösta OJARA (Department of Archaeology, Uppsala University)	2	Master	OK	10	19/Jul/2021	24/Jul/2021	On-campus or Online	Live	
G054		Leading and Advanced Biological and Polymer Chemistry and Engineering IIA (Colloid and Interface Science and Their Molecular Simulations)	Graduate School of Chemical Sciences and Engineering	YAMAMOTO Takuya SATO Toshiyumi	Yu-Jane SHENG (Department of Chemical Engineering, National Taiwan University) Heng-Kwong TSAO (Department of Chemical and Materials Engineering, National Central University)	1	Graduate	OK	40	26/Jul/2021	30/Jul/2021	On-campus or Online	Live	
G055		Mechanism, Assessment and Remediation of Environmental Pollution	Graduate School of Veterinary Medicine	ISHIZUKA Mayumi IKENAKA Yoshinori NAKAYAMA Shouta IGARASHI Toshifumi UCHIDA Yoshitaka TOYODA Kazuhiro TOHYAMA Harukazu HIWATARI Masato	HIROSE Kazuyo (International Affairs Department, Japan Space Systems)	1	Graduate	OK	10	20/Jul/2021	23/Jul/2021	On-campus or Online	Live and On Demand	
G056		International Course on Integrated Marine Biology and Ecology II	Field Science Center for Northern Biosphere	NAKAOKA Masahiro ISADA Tomonori SUZUKI Ippei	Siti Maryam YAAKUB (Department of Ecological Habitats and Processes, DHI Group)	1	Graduate	OK	15	21/Jul/2021	25/Jul/2021	Online	Live and On Demand	
G057		International Course on Integrated Marine Biology and Ecology III	Field Science Center for Northern Biosphere	NAKAOKA Masahiro ISADA Tomonori SUZUKI Ippei	TANAKA Yoshiyuki (Hachinohe Institute of Technology)	1	Graduate	OK	15	25/Jul/2021	29/Jul/2021	On-campus (no online)		Akkeshi Marine Station, Field Science Center for Northern Biosphere, Hokkaido University Aikappu, Akkeshi, Hokkaido 088-1113, JAPAN
G058		Advanced Marine Biotechnology and Microbiology I: Bioinformatics for Marine Life Science	Graduate School of Fisheries Sciences	SAWABE Tomoo MINO Sayaka	Pedro Milet MEIRELLES (Federal University of Bahia)	1	Master	Not Applicable	15	26/Jul/2021	30/Jul/2021	On-campus or Online	Live	
G059		Unmanned Aerial Vehicles (UAVs) for Remote Sensing and Land Surveying	Graduate School of Environmental Science	Ram AVTAR WATANABE Teiji HAYAKAWA Yuichi	MATSUMURA Kanichiro (Natural Resource and Economic Development, Tokyo University of Agriculture)	1	Master	OK	25	26/Jul/2021	29/Jul/2021	On-campus or Online	Live and On Demand	

G060	Leading and Advanced Materials Chemistry and Engineering IIIIE (Informatics for Chemistry and Materials Science)	Graduate School of Chemical Sciences and Engineering	SHIMADA Toshihiro MIURA Akira YANASE Takashi		1	Graduate	OK	50	26/Jul/2021	30/Jul/2021	Online	Live	
G061	Advanced and Comprehensive Studies on Chemical Hazard Control I: Field Toxicology & Risk Analysis	Graduate School of Veterinary Medicine	IKENAKA Yoshinori NAKAYAMA Shouta HORIUCHI Motohiro ISODA Norikazu ISHIZUKA Mayumi	TANAKA Aki (School of Veterinary Medicine, Nippon Veterinary and Life Science University)	1	Graduate	OK	30	26/Jul/2021	24/Aug/2021	On-campus or Online	Live and On Demand	
G062	Principles of Catalytic chemistry: theory and application	Institute for Catalysis	FURUKAWA Shinya IIDA Kenji	Song LI (School of Materials Science and Engineering, Northeastern University) Jun LI (Department of Chemistry, Tsinghua University)	1	Master	OK	15	26/Jul/2021	04/Aug/2021	Online	Live	
G063	Introduction to Ainu and Indigenous Studies II: Ainu culture, Indigenous Heritage and Cultural landscape	Center for Ainu and Indigenous Studies	KATO Hirofumi ISHIHARA Mai	Joe WATKINS (Society of American Archaeology, Department of Anthropology, University of Maryland) Thomas THORNTON (Department of Archaeology and Ancient History, Uppsala University)	2	Master	OK	10	26/Jul/2021	30/Jul/2021	On-campus or Online	Live	
G064	Introduction to Brain Science VI: The Foundations of Cognitive Sciences	Research and Education Center for Brain Science	OGAWA Kenji KAWABATA Yasuhiro ADACHI Mayumi KAWAHARA Jun-ichiro WADA Hiromi YAMANAKA Yujiro		1	Graduate	Not Applicable	30	26/Jul/2021	29/Jul/2021	On-campus or Online		
G065	Advanced and Comprehensive Studies on Chemical Hazard Control III: Comprehensive Studies on Chemical Hazard Control	Graduate School of Veterinary Medicine	ISHIZUKA Mayumi TSUBOTA Toshio KIMURA Takashi OTSUGURO Kenichi ICHII Osamu OHASHI Kazuhiko		1	Graduate	OK	30	27/Jul/2021	10/Aug/2021	On-campus or Online	Live and On Demand	
G066	Advanced and Comprehensive Studies on Chemical Hazard Control V: Informatics	Graduate School of Veterinary Medicine	ISHIZUKA Mayumi	EGUCHI Akifumi (Center for Preventive Medical Sciences, Chiba University) TAKEDA Kazuki (School of Veterinary Medicine, Kitasato University)	1	Graduate	OK	7	28/Jul/2021	30/Jul/2021	On-campus or Online	Live and On Demand	
G067	Plastics and Plastic Additives – Implications in the Environment and Health Issues	Center for Environmental and Health Sciences	Yu AIT BAMA ARAKI Atsuko Kritika POUDEL	Adrian COVACI (Toxicological Center, University of Antwerp, Belgium)	1	Graduate	OK	20	28/Jul/2021	30/Jul/2021	On-campus or Online	Live	
G068	Advanced Lecture on Biological Defense	Graduate School of Infectious Diseases	HIGASHI Hideaki SHINGAI Masashi	Lorena BROWN (The University of Melbourne) Elizabeth HARTLAND (The University of Melbourne) Brendon CHUA (Monash University)	1	Ph.D	Not Applicable	30			On-campus or Online	Live	
G069	RJE3 Special Seminar I: Rebut International Anthropological Field School	Center for Ainu and Indigenous Studies	KATO Hirofumi ISHIHARA Mai	Alexsander POPOV (Education and Science Museum, Far Eastern Federal University) Ekaterina VINOGRADOVA (Department of Archaeology, Moscow State University) Vladislav ZHITENEV (Department of Archaeology, Moscow State University)	2	Master	Not Applicable	5	01/Aug/2021	21/Aug/2021	On-campus or Online	Live and On Demand	
G070	Ocean Sustainability (Marine environments, Resources, Blue Growth & Blue Economy)	Faculty of Science	Helena FORTUNATO NAKAOKA Masahiro	Teresa BORGES (Faculty of Sciences and Technology, University of Algarve, Portugal)	1	Master	OK	10	02/Aug/2021	09/Aug/2021	On-campus (no online)		
G071	RJE3 Special Seminar I: Energy Security in Cold Climate Region	Graduate School of Engineering	MORI Taro	Ivo MARTINAC (Building Services and Energy Systems, KTH Royal Institute of Technology) SADAIKE Yuki (International Research Institute of Disaster Science (IRIDeS) , Tohoku University) NOGAWA Takafumi (Hokkaido Electric Power Co., Inc.)	1	Graduate	Not Applicable	20	02/Aug/2021	05/Aug/2021	On-campus or Online	Live and On Demand	
G072	Leading and Advanced Materials Chemistry and Engineering IIIF (Functional Solid State Materials Chemistry)	Graduate School of Chemical Sciences and Engineering	SHIMADA Toshihiro		1	Graduate	OK	50	02/Aug/2021	04/Aug/2021	Online	Live and On Demand	
G073	Advanced and Comprehensive Studies on Chemical Hazard Control II: Chemical Analyses	Graduate School of Veterinary Medicine	ISHIZUKA Mayumi IKENAKA Yoshinori NAKAYAMA Shouta		1	Graduate	OK	5	02/Aug/2021	05/Aug/2021	On-campus or Online	Live and On Demand	

G074		Training Course for Electrophysiology	Faculty of Pharmaceutical Sciences	MINAMI Masabumi AMANO Taiju NOMURA Hiroshi HITORA IMAMURA Natsuko	2	Master	OK	6	02/Aug/2021	06/Aug/2021	On-campus (no online)		
G075		Indigenous education and research in Australia: Position, commitment and contribution in Indigenous research	Faculty of Education	AOKI Maiko	1	Graduate	OK	20	03/Aug/2021	05/Aug/2021	On-campus (no online)		
G076		Social and environmental system science for sustainable use of natural resource and energy	Graduate School of Engineering	SAKATA Yoshitaka NAGANO Katsunori KATSURA Takao	1	Master	OK	50	16/Jul/2021	21/Jul/2021	On-campus (no online)		
G077		Advanced Heat and Mass Transfer for Renewable Energy Use	Graduate School of Engineering	NAGANO Katsunori YAMADA Masahiko NOMURA Takahiro KATSURA Takao SAKATA Yoshitaka	1	Master	OK	50	24/Sep/2021	28/Sep/2021	On-campus or Online	Live	
G078		Chirality and Chemical Biology	Faculty of Advanced Life Science	MONDE Kenji TANIGUCHI Tohru MURAI Yuta	1	Graduate	OK	30	10/Aug/2021	11/Aug/2021	Online	Live and On Demand	
G079		Subjects on Fundamental Veterinary Science: Advanced Wildlife and Conservation Medicine	Graduate School of Veterinary Medicine	TSUBOTA Toshio KATAGIRI Seiji SHIMOZURU Michito SASHIKA Mariko	1	Ph.D	Not Applicable	20	12/Aug/2021	16/Aug/2021	On-campus or Online	Live	
G080		Advanced Combustion	Graduate School of Engineering	HASHIMOTO Nozomu	2	Master	Not Applicable	40	16/Aug/2021	25/Aug/2021	On-campus or Online	On Demand	
G081		RJE3 Special Seminar I: Fieldwork on Development Technologies in Cold Region	Faculty of Engineering	SETOGUCHI Tsuyoshi MORI Taro WATANABE Norihiro	2	Graduate	Not Applicable	20	16/Aug/2021	20/Aug/2021	On-campus or Online	Live	
G082		Advanced and Comprehensive Studies on Chemical Hazard Control IV: Environmental Remediation	Graduate School of Veterinary Medicine	ISHIZUKA Mayumi KAMIYA Yuichi	1	Graduate	OK	7	16/Aug/2021	19/Aug/2021	On-campus or Online	Live and On Demand	
G083		Medical Physics School	Graduate School of Biomedical Science and Engineering	SHIRATO Hiroki SHIMIZU Shinichi ISHIKAWA Masayori MATSUURA Taeko MIYAMOTO Naoki TAKAO Seishin	2	Master	Not Applicable	30	16/Aug/2021	20/Aug/2021	On-campus or Online	Live and On Demand	
G084		Molecular Biomedical Science and Engineering School: Molecular Imaging, Cancer and Radiation Biology, Artificial Intelligence, and Theragnostics	Graduate School of Biomedical Science and Engineering	SHIRATO Hiroki KATOH Chietsugu KUGE Yuji ONODERA Yasuhiro Khin Khin THA HIRATA Yuichi YASUI Hironobu Kenneth LEE SUTHERLAND	2	Master	Not Applicable	30	16/Aug/2021	20/Aug/2021	On-campus or Online	Live and On Demand	
G085		Special lecture of the basics of biomedicine	Faculty of Pharmaceutical Sciences	MAENAKA Katsumi ICHIKAWA Satoshi MATSUDA Akira MAEDA Naoyoshi FURUKAWA Atsushi FUKUHARA Hideo TADOKORO Takashi NOMURA Takao KITA Shunsuke SUMI Masato	1	Master	OK	30	16/Aug/2021	20/Aug/2021	On-campus or Online	Live and On Demand	
G086		ESD Campus Asia-Pacific Program 2021: Olympism, Diversity and Innovation II	Faculty of Education	IKEDA Keiko YUNOKI Takahiro SAKITA Yoshihiro YAMASAKI Takashi	1	Graduate	Not Applicable	10	17/Aug/2021	24/Aug/2021	On-campus or Online	Live and On Demand	

G087		Special lecture of the state-of-the-art drug development	Faculty of Pharmaceutical Sciences	MAENAKA Katsumi ICHIKAWA Satoshi MATSUDA Akira FUKUHARA Hideo MAEDA Naoyoshi FURUKAWA Atsushi TADOKORO Takashi NOMURA Takao KITA Shunsuke SUMI Masato	Simon J DAVIS (Nuffield Department of Clinical Medicine, University of Oxford) NAKAMURA Hironori (Biomodeling Research Co., Ltd.) Jose Manuel Martinez CAAVEIRO (Graduate School of Pharmaceutical Sciences, Kyushu University) KODAMA Kota (Ritsumeikan University)	1	Master	OK	30	18/Aug/2021	24/Aug/2021	On-campus or Online	Live and On Demand	
G088		Special Lecture on Drug Discovery Science II (Biocamp)	Faculty of Pharmaceutical Sciences	MAENAKA Katsumi MONDE Kenji	KODAMA Kota (Ritsumeikan University) Lim YEONGJOO (College of Business Administration, Ritsumeikan University) Tack Joong KIM (Biological Science and Technology, Yonsei University) YAMAMOTO Shin (Business Model Innovation Association) Cao JIANFEI (Merge System Inc.)	1	Master	OK	50	21/Aug/2021	22/Aug/2021	On-campus (no online)		
G089		Introduction to the weak KAM theory and quasi-convex analysis	Faculty of Science	KUJO Hideo	Alfonso SORRENTINO (Department of Mathematics, University of Rome Tor Vergata)	1	Master	OK	20	23/Aug/2021	27/Aug/2021	On-campus (no online)		
G090		Topics in structured linear algebra	Faculty of Science	Simona SETTEPANELA	Paola BOITO (Department of Mathematics, Pisa University)	1	Master	Not Applicable	30	23/Aug/2021	26/Aug/2021	On-campus (no online)		
G091		Singularly perturbed PDEs	Faculty of Science	JIMBO Shuichi	Marco GHIMENTI (Department of Applied Mathematics, University of Pisa)	1	Master	OK	20	23/Aug/2021	27/Aug/2021	On-campus (no online)		
G092		Advanced Nuclear Waste Management	Graduate School of Engineering	WATANABE Naoko KOZAKI Tamotsu	Tomo SUZUKI-MURESAN (Department of Subtech, Institut Mines Telecom Atlantique - IMTA)	1	Graduate	OK	15	23/Aug/2021	27/Aug/2021	On-campus or Online	Live	
G093		Leading and Advanced Molecular Chemistry and Engineering IIB (Nickel Catalysis for Transformation of Carbon Skeltons)	Graduate School of Chemical Sciences and Engineering	SAWAMURA Masaya	Chun-Yu Jason HO (Department of Chemistry, Southern University of Science & Technology (SUSTech) )	1	Graduate	OK	45	23/Aug/2021	25/Aug/2021	On-campus or Online	Live	
G094		Leading and Advanced Biological and Polymer Chemistry and Engineering IIB (Design, Synthesis and Applications of Functional Polymers via Step-Growth Polymerization)	Graduate School of Chemical Sciences and Engineering	SATOH Toshifumi	Guey-Sheng LIOU (Institute of Polymer Science & Engineering, National Taiwan University)	1	Graduate	OK	45	23/Aug/2021	26/Aug/2021	On-campus or Online	Live	
G095		Adhesion/dental materials/dental pulp: preliminary	Faculty of Dental Medicine	YAWAKA Yasutaka SANO Hidehiko Monica YAMAUTI HOSHIKA Shuhei		1	Ph.D	OK	20	23/Aug/2021	24/Aug/2021	On-campus or Online	Live	
G096		Logic (Seminar) : Introduction to Logic 2021	Graduate School of Humanities and Human Sciences	SANO Katsuhiko		2	Graduate	OK	15	23/Aug/2021	27/Aug/2021	Online	Live	
G097		Introduction to computational ergodic theory	Research Institute for Electronic Science	SATO Yuzuru	Stefano GALATOLO (Department of Mathematics, University of Pisa) Isaia NISOLI (Institute of Mathematics, Federal University of Rio de Janeiro)	1	Graduate	OK	50	23/Aug/2021	27/Aug/2021	On-campus or Online	Live	
G098		Introduction to RJE3: Environment, Culture and Sustainable Development in Far East and Arctic Region	Center for Ainu and Indigenous Studies	KATO Hirofumi TABATA Shinichiro SUGIMOTO Atsuko SETOGUCHI Tsuyoshi	Sergei KUZNETSOV (Faculty of History, Irkutsk State University)	2	Master	Not Applicable	50	23/Aug/2021	27/Aug/2021	On-campus or Online	Live and On Demand	
G099		Fisheries Engineering I	Graduate School of Fisheries Sciences	TAKAGI Tsutomu	Holger KORTE (Jade-University of Applied Sciences, Germany)	1	Master	Not Applicable	15	24/Aug/2021	27/Aug/2021	On-campus (no online)	Live and On Demand	
G100		Introduction to PARE IV: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	FUJII Masahiko SASAOKA Masatoshi	UBUKATA Fumikazu (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	Master	OK	40	25/Aug/2021	27/Aug/2021	Online	Live and On Demand	
G101		Adhesion/dental materials/dental pulp: basic	Faculty of Dental Medicine	YAWAKA Yasutaka SANO Hidehiko Monica YAMAUTI HOSHIKA Shuhei		1	Ph.D	OK	20	25/Aug/2021	27/Aug/2021	On-campus or Online	Live	

G102	An introduction to nonlinear elliptic equations and related topics	Faculty of Science	EI Shin-Ichiro	Riccardo MOLLE (Department of Mathematics, University of Rome Tor Vergata)	1	Master	OK	20	30/Aug/2021	03/Sep/2021	On-campus or Online		
G103	Field Work Training I for PARE: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	NEGISHI Junjiro KOIKE Satoshi MATSUSHIMA Hajime IGARASHI Toshifumi OTAKE Tsubasa TAKEDA Ryo John Richard BOWER INOUE Takashi	Chantha OEURNG (Institute of Technology of Cambodia)	2	Master	OK	40	30/Aug/2021	10/Sep/2021	On-campus or Online	Live and On Demand	
G104	Seminar I for PARE: Populations-Activities-Resources-Environments Chain	Research Faculty of Agriculture	NEGISHI Junjiro KOIKE Satoshi MATSUSHIMA Hajime IGARASHI Toshifumi OTAKE Tsubasa TAKEDA Ryo John Richard BOWER INOUE Takashi	Chantha OEURNG (Institute of Technology of Cambodia)	1	Master	OK	40	30/Aug/2021	10/Sep/2021	On-campus or Online	Live and On Demand	
G105	Life Science Special Lecture III (Advanced Fluorescence Microscopy in Life Science Research)	Graduate School of Life Science	KINJO Masataka KITAMURA Akira	Vladana VUKOJEVIC (Center for Molecular Medicine (CMM) , Karolinska Institute) Thorsten WOHLAND (National University of Singapore) HIRAOKA Yasushi (Graduate School of Frontier Biosciences, Osaka University) HARAGUCHI Tokuko (Advanced ICT Research Institute Kobe, National Institute of Information and Communications Technology) WADA Ikuo (Fukushima Medical University)	1	Graduate	OK	12	30/Aug/2021	05/Sep/2021	On-campus or Online	Live and On Demand	
G106	Life science special lecture III (Practical bioimaging workshop for life sciences)	Graduate School of Life Science	KINJO Masataka KITAMURA Akira YAMAMOTO Johtaro	Vladana VUKOJEVIC (Center for Molecular Medicine (CMM) , Karolinska Institute) Thorsten WOHLAND (National University of Singapore) OASA Sho (Karolinska Institute)	1	Graduate	OK	12	30/Aug/2021	05/Sep/2021	On-campus or Online	Live and On Demand	
G107	Basic Nano Scale Analysis of Materials	Graduate School of Engineering	YONEZAWA Tetsu	Ying-Chih LIAO (Faculty of Engineering, National Taiwan University) TOKUNAGA Tomoharu (Faculty of Engineering, Nagoya University)	1	Master	OK	30	30/Aug/2021	01/Sep/2021	On-campus or Online	Live and On Demand	
G108	Adhesion/dental materials/dental pulp: theoretically	Faculty of Dental Medicine	YAWAKA Yasutaka SANO Hidehiko Monica YAMAUTI HOSHIKA Shuhei		1	Ph.D	OK	20	30/Aug/2021	31/Aug/2021	On-campus or Online	Live	
G109	Philosophy (Lecture) : Topics in Applied Modal Logic 2021	Graduate School of Humanities and Human Sciences	SANO Katsuhiko YAMADA Tomoyuki	Jeremy Michael SELIGMAN (Faculty of Arts, the University of Auckland, New Zealand)	2	Graduate	OK	15	30/Aug/2021	03/Sep/2021	Online	Live	
G110	Theory and application of Deep Learning	Faculty of Information Science and Technology	YOSHIOKA Masaharu	Richard XU (School of Electrical and Data Engineering, University of Technology Sydney)	1	Graduate	Not Applicable	20	30/Aug/2021	03/Sep/2021	On-campus or Online	Live and On Demand	
G111	RJE3 Special Seminar I: Past and Present of Hokkaido: History of Ishikari and Sorachi	Graduate School of Humanities and Human Sciences	SHIRAKIZAWA Asahiko		2	Graduate	Not Applicable	5	31/Aug/2021	03/Sep/2021	On-campus or Online	Live and On Demand	
G112	Adhesion/dental materials/dental pulp: advanced	Faculty of Dental Medicine	YAWAKA Yasutaka SANO Hidehiko Monica YAMAUTI HOSHIKA Shuhei		1	Ph.D	OK	20	01/Sep/2021	03/Sep/2021	On-campus or Online	Live	
G113	Advanced Aquaculture Genetics and Genomics I: Polyploid fish-atypical reproduction and its application	Graduate School of Fisheries Sciences	MIZUTA Hiroyuki FUJIMOTO Takafumi NISHIMURA Toshiya	Alicja BORON (Faculty of Biology and Biotechnology, University of Warmia and Mazury in Olsztyn)	1	Graduate	Not Applicable	10	02/Sep/2021	08/Sep/2021	On-campus or Online	Live and On Demand	
G114	Application of Nano Scale Analysis of Materials	Graduate School of Engineering	YONEZAWA Tetsu	Kheawhom SOORATHEP (Faculty of Engineering, Chulalongkorn University)	1	Master	OK	30	02/Sep/2021	06/Sep/2021	On-campus or Online	Live and On Demand	



G115		Integrated Materials and Life Science (Molecular Cell Dynamics I and II)	Graduate School of Life Science	KINJO Masataka KITAMURA Akira	Vladana VUKOJEVIC (Center for Molecular Medicine (CMM) , Karolinska Institute) Thorsten WOHLAND (National University of Singapore)	1	Graduate	OK	12	03/Sep/2021	05/Sep/2021	On-campus or Online	Live and On Demand	
G116		Modern Day Materials	Graduate School of Science	IHARA Yoshihiko	Lee MARTIN (School of Science and Technology, Nottingham Trent University)	2	Graduate	OK	15	06/Sep/2021	17/Sep/2021	On-campus or Online	Live and On Demand	
G117		Earth paleoenvironmental reconstruction by sedimentary core analysis	Faculty of Science	SAWADA Ken	NAKAMURA Hideto (Graduate School of Science, Osaka City University)	1	Master	Not Applicable	25	06/Sep/2021	09/Sep/2021	On-campus or Online	Live	
G118		Leading and Advanced Biological and Polymer Chemistry and Engineering IB (Self-assemblies Block Copolymer Systems: Nanoparticles and Thin Films)	Graduate School of Chemical Sciences and Engineering	ISONO Takuya SATO Toshiyumi	Redouane BORSALI (Grenoble Alpes University and CERMAV-CNRS)	1	Graduate	OK	45	13/Sep/2021	17/Sep/2021	On-campus or Online	Live	
G119		Regional Sciences: General Theory of Invasive Alien Species Management 2021	Graduate School of Humanities and Human Sciences	IKEDA Tohru	Phil COWAN (Landcare Research (Wildlife Ecology & Management) , New Zealand)	2	Graduate	OK	50	06/Sep/2021	10/Sep/2021	On-campus or Online	Live and On Demand	
G120		Training course for Drug Delivery System	Faculty of Pharmaceutical Sciences	HARASHIMA Hideyoshi YAMADA Yuma NAKAMURA Takashi SATO Yusuke		1	Graduate	Not Applicable	20	08/Sep/2021	10/Sep/2021	Online	Live and On Demand	
G121		Special Course on Medicinal Chemistry	Faculty of Pharmaceutical Sciences	SHUTO Satoshi ICHIKAWA Satoshi YAKUSHIJI Fumika WATANABE Mizuki	ARISAWA Mitsuhiro (Graduate School of Pharmaceutical Sciences, Osaka University)	1	Master	Not Applicable	20	08/Sep/2021	10/Sep/2021	On-campus (no online)		
G122		Leading and Advanced Materials Chemistry and Engineering IIIB (Applied Inorganic Materials Chemistry)	Graduate School of Chemical Sciences and Engineering	TADANAGA Kiyoharu KATO Katsuya KIJIMA Norihito		1	Graduate	OK	50	13/Sep/2021	17/Sep/2021	On-campus or Online	Live	
G123		Statistical Analysis of Food Security	Graduate School of Global Food Resources	SAITO Yoko	Rickard SANDBERG (Stockholm School of Economics) Marit KRAGT (University of Western Australia)	1	Master	Not Applicable	15	13/Sep/2021	24/Sep/2021	On-campus or Online	Live	
G124		Special Lecture on Antarctic Science II	Institute of Low Temperature Science	SUGIYAMA Shin FUKUI Manabu	Heinz BLATTER (Institute for Atmospheric and Climate Science, Swiss Federal Institute of Technology) Wilhelm HAGEN (Department of Marine Zoology, Bremen University)	2	Master	OK	25	15/Sep/2021	01/Oct/2021	On-campus or Online	Live and On Demand	
G125		Special Lecture on Sociology: Contemporary Sociology of Religion and Spirituality	Graduate School of Humanities and Human Sciences	SAKURAI Yoshihide	Adam POSSAMAI (School of Social Sciences and Psychology, Western Sydney University, Australia)	2	Graduate	OK	26	27/Sep/2021	30/Sep/2021	On-campus (no online)		
G126		Fundamentals and Applications of Nanoscience and Nanotechnology	Research Institute for Electronic Science	Vasudevan Pillai Biju TAKANO Yuta Hai Jun CHO Yuna KIM KOKADO Kenta HIRAI Kenji ONO Madoka	FURUBE Akihiro (Graduate School of Technology, Industrial and Social Sciences, Tokushima University) Ch. SUBBRAHAMANYAM (Department of Chemistry, Indian Institute of Technology Hyderabad)	2	Graduate	OK	30	27/Sep/2021	30/Sep/2021	On-campus (no online)		
G127		Leading and Advanced Molecular Chemistry and Engineering IIIA (Modern Trends in Physical and Material Chemistry)	Graduate School of Chemical Sciences and Engineering	SHIMADA Toshihiro OGINO Isao KOBAYASHI Atsushi KOBAYASHI Masato IIDA Kenji Zhiyi SONG NAKASAKA Yuta		1	Graduate	Not Applicable	45	18/Oct/2021	22/Oct/2021	On-campus or Online	Live and On Demand	
G128		Leading and Advanced Molecular Chemistry and Engineering I (Frontier of Biophysical Analysis of Biomolecules)	Graduate School of Chemical Sciences and Engineering	SADA Kazuki UCHIDA Takeshi ISHIMORI Koichiro	Peter BRZEZINSKI (Department of Biochemistry and Biophysics, Stockholm University)	1	Graduate	OK	45	26/Oct/2021	28/Oct/2021	On-campus (no online)		
G129		International Veterinary and Conservation Medicine	Graduate School of Veterinary Medicine	ISHIZUKA Mayumi		2	Graduate	OK	4			On-campus or Online	Live and On Demand	
G130		International Veterinary and Conservation Medicine	Graduate School of Veterinary Medicine	ISHIZUKA Mayumi		1	Graduate	OK	4			On-campus or Online	Live and On Demand	