

		Mon.	Tue.	Wed.	Thu.	Fri.	Intensive courses and other courses (Dates to be determined)	
First Semester 2017	1	ESD	Advanced Course in Environmental Pollution Comparison [Eng.] S TANAKA D102 Advanced Course in Hydrological Cycle [Bil.] SATO SUGIMOTO C204-2	Introduction to Practical Science for Environment I YAMANAKA C204-2	Advanced Course in Hydrological Cycle [Bil.] SATO SUGIMOTO C204-2		[Inter-Graduate School Classes] Introduction to Environmental Science(April 5-7): YAMANAKA & others D201 Introduction to Environmental Science[Eng.](April 5-7): S TANAKA & others D102  Special Lecture in Earth System Science IV (Intensive courses for Course in Atmosphere-Ocean and Climate Dynamics): Dates TBD Special Lecture in Earth System Science I (Intensive courses for Course in Geochemistry): Dates TBD Special Lecture in Earth System Science (Intensive courses for Course in Cryosphere Science): Closed	
		ESS			Advanced Course in Environmental Analytical Chemistry Y WATANABE & others C202	Advanced Course in Atmospheric Chemistry MIYAZAKI D102		Advanced Course in Chemical Oceanography NISHIOKA & others C202
		BS	Fundamental Lecture in Molecular Biology [Bil.] MORIKAWA & others D101					Advanced Course in Agricultural Environment for Crop Production [Bil.] ARAKI HOSHINO FSC 106
	EMS	Course in Materials Science II [Bil.] HIROKAWA D103	Advanced Course in Environmental Catalytic Chemistry II [Eng.] KOWALSKA D103	Course in Materials Science I [Bil.] NORO D103	Advanced Course in Environmental Catalytic Chemistry I [Bil.] OHTANI D103	Course in Materials Science III [Bil.] UMEZAWA D103		
	2	ESD		Introduction to Environmental Adaptation Introduction to Practical Science for Environment I S TANAKA & others YAMANAKA C204-1 C204-2	Advanced Course in Mathematical Analysis in Ecology [Bil.] TAKADA & others A809	Advanced Course in Mathematical Analysis in Ecology [Bil.] TAKADA & others A809	Introduction to Environmental Adaptation S TANAKA & others C204-1	Advanced Course in Forest Sphere Science I (Ecosystem function): SATOH & others (June) (Uryu-Nakagawa-Teshio) Advanced Course in Forest Sphere Science II (Forest Dynamics): HIURA & others (June) Advanced Course in Forest Sphere Science III (Conservation Biology): SAITOH & others (Teshio) (Dates TBD) Fundamental Lecture in Biomass Production: YAMAHA and others (Dates TBD)
		ESS	Fundamental Lecture in Atmosphere-Ocean Physics OSHIMA FUJIWARA D102 Fundamental Lecture in Atmosphere-Ocean Physics [Eng.] HASEBE YOSHIMORI C202	Advanced Course in Geophysical Fluid Dynamics KUBOKAWA D102	Fundamental Lecture in Atmosphere-Ocean Physics OSHIMA FUJIWARA D102 Fundamental Lecture in Atmosphere-Ocean Physics [Eng.] HASEBE YOSHIMORI C202	Advanced Course in Paleoclimatology YAMAMOTO CHIKARAISHI SEKI D102	Advanced Course in Atmospheric and Oceanographic Data Analysis [Bil.] FUKAMACHI AOKI D102	
		BS	Advanced Course in Animal Ecology I [Bil.] NODA KOIZUMI D101	Fundamental Lecture in Marine Biological Processes [Bil.] MONTANI KUDO D101	Advanced Course in Animal Ecology I [Bil.] NODA KOIZUMI D101	Fundamental Lecture in Marine Biological Processes [Bil.] MONTANI KUDO D101		Special Lecture in Environmental Materials Science I: II - III-IV (Dates TBD)
		EMS	Course in Materials Science III [Bil.] UMEZAWA D103	Advanced Course in Environmental Nano-Materials Chemistry I [Bil.] KAMIYA D103	Course in Materials Science II [Bil.] HIROKAWA D103	Advanced Course in Molecular Environmental Science I [Bil.] OHTANI D103	Course in Materials Science I [Bil.] NORO D103	
		ESD					Introduction to Environment Analysis FUJII D101	
	3	ESS	Fundamental Lecture in Paleoclimatology and Paleoceanography [Bil.] YAMAMOTO SEKI IRINO MATOBA IIZUKA D103	Fundamental Lecture in Marine and Atmospheric Chemistry [Bil.] SUZUKI & others D103	Fundamental Lecture in Marine and Atmospheric Chemistry [Bil.] SUZUKI & others D103	Advanced Course in Polar Oceanography OSHIMA AOKI TOYODA D103	Fundamental Lecture in Paleoclimatology and Paleoceanography [Bil.] YAMAMOTO SEKI IRINO MATOBA IIZUKA D103	
		BS	Advanced Course in Biodiversity Science I [Bil.] SUMIDA & others NAGASATO LT2F M		Advanced Course in Biodiversity Science I [Bil.] SUMIDA NAGASATO & others LT2F M	Advanced Course in Environmental Molecular Biology I [Bil.] MORIKAWA FUKUI KASAHARA D102		
	4	ESD						
		ESS		Fundamental Lecture in Cold Region Sciences [Bil.] T WATANABE & others D102	Advanced Course in Environmental Meteorology HASEBE T WATANABE KAWASHIMA D102	Fundamental Lecture in Cold Region Sciences [Bil.] T WATANABE & others D102		
	5	ESD		Introduction to Practical Science for Environment II YAMANAKA D103			Toward a Sustainable Society through Overcoming Environmental Pollution Environmental Policy in Japan FUJII & others D101	
		ESS						

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**Time** [1st] 8:45-10:15 [2nd] 10:30-12:00 [3rd] 13:00-14:30 [4th] 14:45-16:15 [5th] 16:30-18:00  
**Venue** [A, B, C, D] Faculty of Environmental Earth Science Bldg. A, B, C, D [LT2F] Institution of Low Temperature Science 2F(215) [LT3F] Institution of Low Temperature Science 3F(N311) [FSC] Field Science Center of Northern Biosphere Bldg. [RB] FSC Research Bldg. 2F [TM] Tomakomai FSC [H] School of Fisheries Sciences [NF] FSC North Administration Section [U] FSC Uryu (Moshiri) [T] FSC Teshio [N] FSC Nakagawa [M] Muroran Marine Station [INFO]

First Half,  
 First Semester 2017

		Mon.	Tue.	Wed.	Thu.	Fri.	Intensive courses and other courses (Dates to be determined)	
Second Half, First Semester 2017	1	E S D	Advanced Course in Environmental Pollution Comparison [Eng.] S TANAKA D102				Special Lecture in Environmental Science Development I (September 26-28): YAMAGATA (D101)	
		E S S		Advanced Course in Remotesensing Applications EBUCHI & others D102	Advanced Course in Environmental Analytical Chemistry Y WATANABE & others C202	Advanced Course in Atmospheric Chemistry MIYAZAKI D102	Advanced Course in Chemical Oceanography NISHIOKA & others C202	Special lecture in Environmental Science Development II [Eng.];( August 7-9): Atsuko SATOH, Teppei YAMASHITA
		B S	Fundamental Lecture in Molecular Biology [Bil.] MORIKAWA & others D101				Advanced Course in Agricultural Environment for Crop Production I [Bil.] ARAKI HOSHINO FSC 106	Special Lecture in Environmental Science Development III [Eng.];(June 12-14: D201, June 15: D101):Kazuyo HIROSE
		E M S		Advanced Course in Environmental Catalytic Chemistry II [Eng.] KOWALSK A D103		Advanced Course in Environmental Catalytic Chemistry I [Bil.] OHTANI D103	Advanced Course in Molecular Photonics and Electronics Science II NAKAMURA D103	
	2	E S D		Advanced Course in Environmental Adaptation KURASAKI & others D101	Advanced Course in Conservation Ecology [Bil.] TAKADA & others INFO 2F	Advanced Course in Conservation Ecology [Bil.] TAKADA & others INFO 2F	Advanced Course in Environmental Adaptation KURASAKI & others D101	Special Lecture in Biosphere Science I [Bil.];(Late September) Special Lecture in Biosphere Science II [Bil.];(August or September)
		E S S	Advanced Course in Ocean Dynamics MITSUDERA D101	Advanced Course in Geophysical Fluid Dynamics KUBOKAWA D102	Advanced Course in Atmospheric Dynamics HORINOUCI D102	Advanced course in Paleoclimatology YAMAMOTO CHIKARAISHI SEKI D102	Advanced Course in Atmospheric and Oceanographic Data Analysis [Bil.] FUKAMACHI AOKI D102	
		S B						
	3	E M S	Advanced Course in Biomaterials Chemistry I [Bil.] SAKAIRI D103	Advanced Course in Environmental Nano-Materials Chemistry I [Bil.] KAMIYA D103	Advanced Course in Biomaterials Chemistry I [Bil.] SAKAIRI D103	Advanced Course in Molecular Environmental Science I [Bil.] OHTANI D103	Advanced Course in Molecular Photonics and Electronics Science II NAKAMURA D103	
		E S D					Introduction to Environment Analysis FUJII D101	
		E S S		Advanced Course in Hydrologic Cycle in Cryosphere ISHII SONE MATSUZAWA LT3F	Advanced Course in Remotesensing Applications EBUCHI & others D103	Advanced Course in Polar Oceanography OSHIMA AOKI TOYODA D103		
	4	B S	Advanced Course in Plant Ecology I [Bil.] KOHYAMA KUBO A809		Advanced Course in Plant Ecology I [Bil.] KOHYAMA KUBO A809	Advanced Course in Environmental Molecular Biology I [Bil.] MORIKAWA FUKUI KASAHARA D102		
		E S D						
		E S S		Advanced Course in Hydrologic Cycle in Cryosphere ISHII SONE MATSUZAWA LT3F	Advanced Course in Environmental Meteorology HASEBE T. WATANABE KAWASHIMA D102			
	5	B S		Advanced Course in Aquatic Biology I MOTOMURA & others Marine Stations		Advanced Course in Aquatic Biology I MOTOMURA & others Marine Stations		
		E S D		Introduction to Practical Science for Environment II YAMANAK A D103			Toward a Sustainable Society through Overcoming Environmental Pollution Environmental Policy in Japan FUJII & others D101	
		E M S						

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Second Half,  
First Semester 2017

		Mon.	Tue.	Wed.	Thu.	Fri.	Intensive courses and other courses (Dates to be determined)	
First Half, Second Semester 2017	1	ESD		Advanced Course in Water Resources [Bil.] SHIRAIWA D102	Advanced Course in Water Resources [Bil.] SHIRAIWA D102		Fundamental Lecture in Environmental Science [Eng.] (October 2-4): KURASAKI (C204-1)	
		ESS			Advanced Course in Tropospheric Chemistry [Eng.] MIYAZAKI LT2F	Advanced Course in Tropospheric Chemistry [Eng.] MIYAZAKI LT2F		Advanced Course in Terrestrial Geochemical Cycle [Eng.] SUGIMOTO YAMASHITA C202
		SB						
	EMS	Course in Materials Science I [Bil.] KAMIYA D103	Course in Materials Science III [Bil.] NAKAMURA D103	Course in Materials Science II [Eng.] KOWALSKA D103				
	2	ESD	Advanced Course in Environmental Metrology TOYODA & others C204-2	Advanced Course in Natural Environmental Studies [Bil.] TSUYUZAKI NEGISHI SATO D102	Advanced Course in Environmental Metrology TOYODA & others C204-2 Advanced Course in Watershed Environmental Science [Bil.] NEGISHI & others C202	Advanced Course in Watershed Environmental Science [Bil.] NEGISHI & others C202	Advanced Course in Natural Environmental Studies [Bil.] TSUYUZAKI NEGISHI SATO D102	
		ESS	Advanced Course in Ocean Dynamics MITSUDERA C202	Advanced Course in Climate Dynamics TANIMOTO C202	Advanced Course in Atmospheric Dynamics HORINOUCHE D102		Advanced Course in Terrestrial Geochemical Cycle [Eng.] SUGIMOTO YAMASHITA C202	
		BS	Advanced Course in Animal Ecology II [Bil.] SAITOH NODA D101	Advanced Course in Marine Environmental Biogeochemistry [Bil.] MONTANI KUDO D101	Advanced Course in Animal Ecology II [Bil.] SAITOH NODA D101	Advanced Course in Marine Environmental Biogeochemistry [Bil.] MONTANI KUDO D101 Advanced Course in Biodiversity Science II [Bil.] FUKUI KASAHARA OCHIAI KOJIMA LT2F	Advanced Course in Environment and Management in Livestock Production [Bil.] KAWAI ARAKI FSC 106	
		EMS	Advanced Course in Environmental Nano-Materials Chemistry II [Bil.] KONISHI SHICHIHBU D103	Advanced Course in Biomaterials Chemistry II [Bil.] MATSUDA D103	Advanced Course in Molecular Photonics and Electronics Science I [Eng.] BIJU D103	Advanced Course in Molecular Environmental Science III [Bil.] All the teaching staff of the division D103	Advanced Course in Environmental Nano-Materials Chemistry III [Bil.] YAGI D103	
	3	ESD	Advanced Course in Climate Change Impacts [Eng.] SATO & others C202	Advanced Course in Environmental Conservation [Bil.] TSUYUZAKI C204-2		Advanced Course in Academic English Writing for Environmental Sciences [Eng.] Joseph KARUZIS D102	Advanced Course of International Science Communication Methods [Eng.] TOYODA · GREVE · RAM D101 Advanced Course in Environmental Conservation [Bil.] TSUYUZAKI C204-2	
		ESS		Advanced Course in Biogeoscience SUGIMOTO YAMASHITA D103	Advanced Course in Meteorology and Climate in Cold Regions T WATANABE LT2F	Advanced Course in Climate Modeling NAKAMURA YOSHIMORI KAWASHIMA D103		
		BS	Advanced Course in Plant Ecology II [Bil.] G KUDO SUMIDA A809		Advanced Course in Environmental Molecular Biology II [Bil.] YAMAZAKI WASHIO MIWA C202	Advanced Course in Plant Ecology II [Bil.] G KUDO SUMIDA A809	Advanced Course in Environmental Molecular Biology II [Bil.] YAMAZAKI WASHIO MIWA C202	
		EMS						
	4	ESD	Advanced Course in Climate Change Impacts [Eng.] SATO & others C202	Introduction to Global Environmental Management [Eng.] S TANAKA & others C202			Advanced Lecture in Geocological Resources [Eng.] T WATANABE D103 Introduction to Global Environmental Management [Eng.] S TANAKA & others C202	
		ESS	Advanced Course in Glacier/Ice Sheet Science [Bil.] SUGIYAMA SONE MATOBA IIZUKA LT2F	Advanced Course in Biogeoscience SUGIMOTO YAMASHITA D103	Advanced Course in Meteorology and Climate in Cold Regions T WATANABE LT2F	Advanced Course in Theoretical Glaciology [Eng.] (Advanced Course in Applied Snow Science) GREVE LT2F		
		BS	Fundamental Lecture in Biological Diversity [Eng.] SUZUKI & others D102		Fundamental Lecture in Biological Diversity [Eng.] SUZUKI & others D102			
EMS								
5	ESD		Advanced Course in Practical Science for Environment YAMANAKA C204-2			Advanced Lecture in Geocological Resources [Eng.] T WATANABE D103		
	BS	Fundamental Lecture in Biological Diversity SUZUKI & others D101	Advanced Course in Ecological Genetics I [Bil.] OHARA C202	Fundamental Lecture in Biological Diversity SUZUKI & others D101	Advanced Course in Ecological Genetics I [Bil.] OHARA C202	Fundamental Lecture in Field Sciences YOTSUKURA & others D102		
EMS								

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 [RB] FSC Research Bldg. 2F [TM] Tomakomai FSC [H] School of Fisheries Sciences [NF] FSC North Administration Section [U] FSC Uryu (Moshiri) [T] FSC Teshio [N] FSC Nakagawa [M] Muroran Marine Station [INFO] Information Incentive Center

First Half,  
Second Semester 2017

		Mon.	Tue.	Wed.	Thu.	Fri.	Intensive courses and other courses (Dates to be determined)				
Second Half, Second Semester 2017	1	ESD					Advanced Course in Environmental Geoinformatics (Intensive Course) [Eng.] : RAM (Dates TBD)				
		ESS									
		BS		Advanced Course in Marine Ecological Modeling (offered through Polycom at D101 for students in Sapporo)	SHIMIZU MIYASHITA H	Advanced Course in Marine Ecological Modeling (offered through Polycom at D101 for students in Sapporo)	SHIMIZU MIYASHITA H		Advanced Course in Aquatic Biology II [Bi.]: NAKAOKA & others (offered in December - January)		
	EMS	Course in Materials Science I [Bi.]	KAMIYA D103	Course in Materials Science III [Bi.]	NAKAMURA D103	Course in Materials Science II [Eng.]	KOWALSKA D103				
	2	ESD	Advanced Course in Environmental Adaptation[Eng.] (Advanced course in Environmental Remediation I)	OKINO & others D102	Advanced Course in Frozen Ground Environments	ISHIKAWA C204-2	Advanced Course in Environmental Adaptation[Eng.] (Advanced course in Environmental Remediation I)	OKINO & others D102	Advanced Course in Frozen Ground Environments	ISHIKAWA C204-2	
		ESS		Advanced Course in Climate Dynamics	TANIMOTO C202						
		BS					Advanced Course in Biodiversity Science II [Bi.]	FUKUI KASAHARA OCHIAI KOJIMA	Advanced Course in Environment and Management in Livestock Production [Bi.]	KAWAI ARAKI FSC 106	
		EMS	Advanced Course in Environmental Nano-Materials Chemistry II [Bi.]	KONISHI SHICHIBU D103	Advanced Course in Biomaterials Chemistry II [Bi.]	MATSUDA D103	Advanced Course in Molecular Photonics and Electronics Science I [Eng.]	BIJU D103	Advanced Course in Molecular Environmental Science III [Bi.]	All the teaching staff of the division D103	Advanced Course in Environmental Nano-Materials Chemistry III [Bi.]
	3	ESD					Advanced Course in Academic English Writing for Environmental Sciences [Eng.]	Joseph KARUZIS D102	Advanced Course of International Science Communication Methods [Eng.]	TOYODA GREVE RAM D101	
		ESS					Advanced Course in Climate Modeling	NAKAMURA YOSHIMORI KAWASHIMA D103			
		BS									
	4	ESD									
ESS		Advanced Course in Glacier/Ice Sheet Science [Bi.]	SUGIYAMA SONE MATOBA IIZUKA LT2F			Advanced Course in Theoretical Glaciology [Eng.]	GREVE LT2F				
SB											
5	EMS										
	ESD			Advanced Course in Practical Science for Environment	YAMANAKA C204-2						
	BS	Fundamental Lecture in Ecology [Bi.]	OHARA & others D102	Advanced Course in Ecological Genetics II	SUZUKI & others C202	Fundamental Lecture in Ecology [Bi.]	OHARA & others D102	Advanced Course in Ecological Genetics II	SUZUKI & other C202	Fundamental Lecture in Field Sciences	YOTSUKURA & others D102

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Second Half,  
Second Semester 2017