

## 2017 First Term (1T) Class Schedule

day		Dep. of Bioresource Sci.	Dep. of Biofunctional Sci. & Technology	Dep. of Environmental Dynamics & Management
Mon.	1-2	Molecular Endocrinology (Shimada) C309	Aquatic Toxinology (Asakawa) C308	
			Ecological Chemistry (Omura) C201	
Mon.	3-4	Basic Animal Nutrition and Feeding (Obitsu/Sugino) C308	Bioactive natural products I (Ohta) 総 J304	
		Fisheries Biology (Tomiyama) C309		
Tues.	1-2	Introduction to Science for Fish Stock Enhancement (Nagasawa/Wakabayashi) C309	Food Biophysics I (Ueno) C308	Introduction to assessment of nutrient cycling in soil ecosystem (Tominaga) C205
			Immunobiology (Furusawa) C310	
	3-4		Process Engineering (Kawai) C308	Evaluation of Plant Environment: Introduction (Wasaki) C201 (Not provided in 2018)
	5-6	Food Resource Management (Yamao) B211		
Wed.	1-2	General Biosphere Science (1) (Liao) C206 (1T-2T)		
	3-4	Animal histology and physiology (Yoshimura/Isobe) C310	Aquatic Bioresource Chemistry (Hirayama) C308	
		Food Consumption Economy (Tanaka) B211		
	5-6	Animal Breeding (Tsudzuki) C301	Plant Molecular Bioscience (Esaka) C308	
	7-8			
	9-10	Practical work on writing reports and presentation (1) (Liao) B209 (1T-2T)		
Thurs.	1-2	Prey Organism Ecology (Kawai) C309	Applied Microbiology (Funato) C314	Plant Nutritional Ecology (Saneoka) C308
	3-4	Seminar of scientific discussion I (Yoshida) C310	Microbiology for Food Safety I (Nakano) C308	Atmosphere-Hydrosphere Dynamics I (Sakugawa) 総 J206
	5-6			
	7-8			Introduction to Aquatic Environmental Ecology (Yamamoto) C309
	9-10			Climate change and terrestrial biogeochemical cycles -introduction- (Toda) 総 J302
Fri.	1-2	Human Animal Relationship (Tanida) C308	Biomolecular science A (Teshima) 総 K106	
	3-4	Environmental Science in Farm Animals (Bungo) B516	General molecular genetics (Shimizu) 総 J301	Numerical Model Analysis of Marine Ecosystem ( Fundamental Course ) (Hashimoto) C308
Intensive Courses		Practice in Animal Science (1T-2T)	Practice in Molecular and Applied Biosciences (1T-2T)	Practice in Modeling and Management of Environmental Dynamics (1T-2T)
		Practice in Aquatic Biology (1T-2T)		
		Practice in Food and Resource Economics (1T-2T)	Practice in Food Science and Biofunctions (1T-2T)	Practice in Assessment of Environmental Dynamics (1T-2T)
		Practice in Field Science in Setouchi Area (1T-2T)	Exercises in Molecular and Applied Biosciences (A)(B) (1T-2T)	Exercises in Modeling and Management of Environmental Dynamics (A)(B) (1T-2T)
		Exercises in Animal Science (A)(B) (1T-2T)	Exercises in Food Science and Biofunctions (A)(B) (1T-2T)	Exercises in Assessment of Environmental Dynamics (A)(B) (1T-2T)
		Exercises in Aquatic Biology (A)(B) (1T-2T)		
		Exercises in Food and Resource Economics (A)(B) (1T-2T)		
		Exercises in Field Science in Setouchi Areas (A)(B) (1T-2T)	Environmental and Biomass Technology I II (Masaki) (Will be provided in 2018)	
		Practice in Animal Germ cell Utilization (Maeda/Shimada)		
		Advanced Seminar in Dairy Field Science (Tanida) (1T-2T)		
		Academic Volunteer Practice (Esaka) (1T-2T)		

※   : Core subjects of each department

※ [総]: Faculty of Integrated Arts and Sciences

※ Exercises (A): For Master's students, Exercises (B): For Doctoral students

# 2017 Second Term (2T) Class Schedule

2017/9/25

day		Dep. of Bioresource Sci.	Dep. of Biofunctional Sci. & Technology	Dep. of Environmental Dynamics & Management
Mon.	1-2		Hygienic Chemistry of Sea Food (Asakawa) C308 Exercises in Ecological Chemistry(Omura) C201	
	3-4	Nutritional physiology of farm animals (Obitsu/Sugibo) C310 Seminar in Fisheries Biology(Tomiyama) C309	Bioactive natural products II(Ohta) 総J304	
Tues.	1-2	Science for Fish Stock Enhancement(Nagasawa) C309 Environmental Domestic Animal Physiology(Kawakami) B515	Food Biophysics II (Ueno) C308	Assessment of nutrient cycling in soil ecosystem (Tominaga) C205
	3-4		Food Process Engineering (Kawai) C308 Molecular immunology (Furusawa) C309	
	5-6	Economics of Food Production (Hosono) B211		
Wed.	1-2	General Biosphere Science (1) (Liao) C206 (1T-2T)		
	3-4	Animal functional anatomy (Yoshimura/Isobe) C310	Glycobiology and Glycotechnology (Hirayama) C308	Assessment of Soil Microbial Environments (Wasaki) C315
	5-6	Writing exercise for reports (Tsutzuki) C301		
	7-8			
	9-10	Practical work on writing reports and presentation (1) (Liao) B209 (1T-2T)		
Thurs.	1-2	Exercise in Prey Organism Ecology (Kawai) C309	Applied Microbiology Seminar (Funato) C310	Applied Techniques in Plant Nutritional Physiology and Ecology (Saneoka) C308
	3-4		Microbiology for Food Safety II (Nakano) C309	Atmosphere-Hydrosphere Dynamics II (Sakugawa) 総J 206
	5-6	Seminar of scientific discussion II (Yoshida) C310		
	7-8			Advance in Aquatic Environmental Ecology (Yamamoto) C309
Fri.	1-2	Animal Production System (Kurokawa) C309	Biomolecular science B (Teshima) 総K106	
	3-4	Animal Germ cell Utilization (Maeda) C309 Aquatic Molecular Biology (Basic Course) (Kuniyoshi) C315	Practical molecular genetics (Shimizu) 総J301	Numerical Model Analysis of Marine Ecosystem (Applied Course) (Hashimoto) C308
※The dates and places are not decided yet. It is informed you after registration.  <b>Intensive Courses</b>			Microbial Engineering on Brewing I II (Okuda) Application of Brewing Resources (Fujii) Practical exercises in Application of Brewing Resources (Fujii)	(Introduction for )/Management of Coastal Ocean Environment in Seto Inland Sea (Takahashi) Management of Coastal Marine Environment (Introduction) (Nagao)
				Agricultural Meteorology I II (Kurose) Introductory Biocontrol/Applied Biocontrol (Miura)
			Nutritional Biochemistry/Health and Nutrition Science (Yanaka) (Will be provided in 2018)	Introduction to marine ecosystem studies I II (Yamamoto H) Theories and practices in oceanographic observations I II (Fukuba) Theories and practices in marine ecosystem analyses I II (Yamakita)
			Science and Engineering Ethics (Uemura)	

※    Core subjects of each department

※ [総]: Faculty of Integrated Arts and Sciences

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# 2017 Third Term (3T) Class Schedule

2017/9/25

day		Dep. of Bioresource Sci.	Dep. of Biofunctional Sci. & Technology	Dep. of Environmental Dynamics & Management
Mon.	1・2	Pathogenic microbiology for aquatic organisms I (Okinaka) C309		
		Reproductive biology (Shimada) C308		
	3・4	Management of Ruminant Nutrition (Obitsu/Sugino) C310	Function of Livestock food product(Suzuki) C308	
		Applied Food Consumption Economy (Tanaka) B211		
5・6			Environmental Analytical Chemistry of Atmosphere and Hydrosphere (Takeda) 総J 204	
Tues.	1・2		Structure and function of proteins I (Fujikawa) C309	Evaluation of soil environment (Nagaoka) C310
	3・4		Applied Immunology (Horiuchi) C308	<del>Introduction to marine ecosystem dynamics (Naganuma) C309</del>
	5・6			
	7・8	Basics of Biosphere Science for International Student C310		
Wed.	1・2	Animal molecular genetics (Nishibori) C309	Biochemical and Molecular Nutrition (Yanaka) C308	
	General Biosphere Science (2) (Liao) B209 (3T-4T)			
	3・4	Fish Sociobiology: introduction (Sakai) C310	Food Engineering (Hagura) A103	Introduction to Molecular Physiology of Plant Nutrition (Ueda) C309
	5・6			Exercises in Environmental Education (Nakatsubo) 総J 302
	7・8	Aquatic Ecology I (Saito) C310		
9・10 Practical work on writing reports and presentation (2) (Liao) B209 (3T-4T)				
Thurs.	1・2	Domestic Animal Endocrinology (Isobe/Yoshimura) C309	Molecular Cell Science A (Sambongi) C315	Marine Microbial Dynamics (Koike) C310
	3・4	Aquatic Biochemistry (Advanced Course) (Kuniyoshi) C309	Foodborne pathogenic genetics (Shimamoto/Nariya) C308	
Fri.	1・2	Introduction to Terrestrial Field Science (Tanida) C308	Food Physical Chemistry I (Hondo) C309	
	3・4	Introduction of Molecular Fish Genetics (Umino) C309		
		Introduction to aquatic field science (Otsuka) C310		
		Exercises in Environmental Domestic Animal Physiology (Kawakami) B515		
	5・6			
7・8	Food Resource Management (Advanced) (Yamao) B211			
Intensive Courses				
	Measurement and Instrumentation (Hagura) (3T-4T) *Please ask Prof. about the class schedule directly.			

※    Core subjects of each department

※ [総]: Faculty of Integrated Arts and Sciences

※ Exercises (A): For Master's students, Exercises, (B): For Doctoral students

## 2017 Fourth Term (4T) Class Schedule

day		Dep. of Bioresource Sci.	Dep. of Biofunctional Sci. & Technology	Dep. of Environmental Dynamics & Management
Mon.	1-2	Pathogenic microbiology for aquatic organisms II (Okinaka) C309		
	3-4	Seminar on animal nutrition and feeding (Obitsu/Sugino) C310	Exercises in Function of Livestock food product (Suzuki) C308	
		Seminar in Coastal Field Science (Shoji) C309		
5-6			Practicum in Environmental Analytical Chemistry of Atmosphere and Hydrosphere (Takeda) 総J 204	
Tues.	1-2	Animal Husbandry (Bungo) B515	Structure and function of proteins II (Fujikawa) C309	Practical exposition for evaluation of soil environment (Nagaoka) C310
	3-4		Exercises in Applied Immunology (Horiuchi) C308	Marine ecosystem dynamics (Naganuma) C309
		Debate Exercise on Bioethics (Maeda) C310		
	5-6			
	7-8	System of Regional Food Production (Hosono) B211		
Seminar on biosphere sciences for international students C310				
Wed.	1-2	Animal Genetics (Nishibori) C309	Nutrigenomics (Yanaka) C308	
		General Biosphere Science (2) (Liao) B209 (3T-4T)		
	3-4	Fish Sociobiology: advance (Sakai) C310	Exercise in Food Process Engineering (Hagura) A103	Exercises in Molecular Physiology of Plant Nutrition (Ueda) C309
	5-6	Exercise in terrestrial field science (Kurokawa) C309		Introduction to Environmental Issues in Japan (Nakatsubo) C310
	7-8	Aquatic Ecology II (Saitoi) C310		
9-10	Practical work on writing reports and presentation (2) (Liao) B209 (3T-4T)			
Thurs.	1-2	Animal Histochemistry (Isobe/Yoshimura) C309	Molecular Cell Science B (Sambongi) C301	Marine Microbial Dynamics Practice (Koike) C310
	3-4		Exercises in foodborne pathogenic genetics (Shimamoto/Nariya) C308	Evaluation of Plant Environment (Wasaki) C309
	5-6			
	7.8			Climate change and terrestrial biogeochemical cycles -Main issue- (Toda) 総J 302
Fri.	1-2		Food Physical Chemistry II (Hondo) C309	
	3-4	Applied Aquaculture (Umino) C309		
		Marine biodiversity (Otsuka) C310		
Intensive Courses			Practical of Alcohol Beverage Fermentation (Okuda)	Conservation and Management of Seagrass, Algae and Tidal-flat Ecosystems I II (Hamaguchi, Yoshida)
			Biochemistry of animal foods I II (Will be provided in 2018)	
	Interdisciplinary Seminars * (A) (B) (Nariya/Liao) 3T/4T			

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※ "Interdisciplinary Seminars" is compulsory for the students who take the SFP (Sustainable Food Production) program.