Curriculum Policy of the Graduate School of Agricultural Science, Graduate Program

Agricultural Science plans to conserve natural and artificial ecosystems and its ideal of "Sustainable coexistence science" contributes to human society through the production, management, utilization and development of biological resources which are the basis of our food, clothing and shelter. Based on this philosophy, the fundamental objective of the Graduate School of Agricultural Science is to carry out comprehensive, specialized research and education related to the various issues of "Food, Environment, Health and Life, From Farm to Table". The Graduate Program is arranged into 3 majors: Agricultural Engineering and Socio-Economics, Bioresource Science and Agrobioscience with curriculums developed following the respective policies on the basis of this fundamental objective to nurture outstanding individuals that can contribute to society.

Curriculum Policy of the Graduate School of Agricultural Science, Department of Agricultural Engineering and Socio-Economics Master's Program

In the Master's Program of the Department of Agricultural Engineering and Socio-Economics, education and research is conducted related to the building of a symbiotic food system which includes production technology and nature, artificial environments, crops, foods, humans regional and international society based on an interdisciplinary point of view and methodology that comes from the fusion of agricultural engineering and agricultural economics. The aim of the program is to train people with the research skills to be able to tackle the various problems from the agricultural production base and reach to the production, processing, marketing and consumption of the food, and with the necessary skills for occupations where high-level expertise required.

	1st year	1st year	2nd year	2nd year
Learning Objectives	1st semester	2nd semester	1st semester	2nd semester
	Advanced Science and Technology I-1			
	Advanced Science and Technology I-2			
Study Goal 1 Acquire a common grounding in the five graduate schools of the natural sciences.	Advanced Science and Technology I-3			
Acquire a common grounding in the rive graduate schools of the natural sciences.	Advanced Science and Technology I-4			
	Advanced Science and Technology I-5			
Study Goal 2	Food, Environmental and Healthy Life (Section of Food)			
Acquire a broad grounding and interdisciplinary quality in agricultural sciences for the	Food, Environmental and Healthy Life (Section of Environment			
food, environment and health.	Food, Environmental and Healthy Life (Section of Healthy Life)			
Study Goal 3 Acquire the skills to summarize, present and express research results.	Presentation Exercise I	Presentation Exercise II		
	Hydrological Systems of Watersheds	Watershed Hydrology and Environment		
	Advanced Environmental Engineering for Agricultural Land	Advanced Environmental Control and Disaster Prevention		
		Agricultural Facilities and Geo-Environmental Engineering		
	Agricultural Facilities Engineering (intensive)	Agricultural Facilities Engineering (intensive)		
	Environmental Informatics	Terrain-Vehicle Systems		
	Process Control Systems for Agri-food Materials	Biomeasurement Technology Master Course		
	Control System and Instrumentation of Bio-Production			
	Field Crop Production Systems			
Study Goal 4		Development of Environmental and Bioproduction Systems (intensive)		Development of Environmental and Bioproduction Systems
Acquire a high level of specialized knowledge in order to be able to take a guiding role in the academic field or in employment involved with agriculture through collaboration	Agricultural Organization Theory	Food and Environmental Economics		
of the knowledge and technology in agricultural engineering and economics to solve the	Food System	Agricultural Organization Management		
various problems of the basis of agricultural production, and production, processing,	Social and Economic Information			
marketing and consumption of food.	Rural Policy			
	International Agriculture (intensive)		International Agriculture (intensive)	
	Exercise in Subject Development		Special Collaboration Lecture	
	Special Collaboration Lecture			
	Overseas Exercise in Tropical Agriculture (intensive)			
	Exercise in Asian Agriculture (intensive)			
	Exercise in International Plant and Animal Protection			
	Special Subject Exercise I -1	Special Subject Exercise I -2	Special Subject Exercise I −1	Special Subject Exercise II -2

	Advanced Physiology I					
	Advanced Molecular Genetics					
	Advanced Mechanism of Signal Transduction					
	Animal Genome Science					
	Plant Genetics					
	Microbial Genomics					
	Bioreaction Engineering					
Study Goal 5	Advanced Biochemical Engineering					
Furthermore acquire the skills necessary for a high-level professional.	Molecular Biotechnology					
	Plant Molecular Biology					
	Physiological and Molecular Plant Pathology					
	Molecular Chemical Biology					
	Food System					
	Environmental Informatics					
	International Transportation Economics					
	Advanced Logistics					
	Functional Packaging					
Study Goal 6 Further enhance ones knowledge in the area/field associated with the intended area of specific expertise.	Other Subjects					
specific experiese.						

Curriculum Policy of the Graduate School of Agricultural Science, Department of Bioresource Science Master's Program

In the Master's Program of the Department of Bioresource Science, research and education is conducted in Bioresource Science which generalizes the various issues from the basis to the applications related to useful animals, plants, microbes and their interactions from the gene to the ecosystem level. The aim of the program is to train people with the research skills directed towards the search, production, utilization and development of management technology of biological resources, and with the necessary skills for occupations where high-level expertise is required.

Learning Objectives	1st year	1st year	2nd year	2nd year
Learning Objectives	1st semester	2nd semester	1st semester	2nd semester
	Advanced Science and Technology I-1			
	Advanced Science and Technology I-2			
Goal 4 re a high level of specialized knowledge in order to be able to take a guiding role in the academic field or in employment involved with agriculture to	Advanced Science and Technology I-3			
quite a common grounding in the tire graduate schools of the material schools.	Advanced Science and Technology I-4			
	Advanced Science and Technology I-5			
	Food, Environmental and Healthy Life (Section of Food)			
udy Goal 2 cquire a broad grounding and interdisciplinary quality in agricultural sciences for the food, environment and health.	Food, Environmental and Healthy Life (Section of Environment)			
	Food, Environmental and Healthy Life (Section of Healthy Life)			
ndy Goal 3 quire the skills to summarize, present and express research results.	Presentation Exercise I	Presentation Exercise II		
	Animal Genome Science	Symbiology		
	Developmental Biotechnology in Mammals	Reproduction for Species Conservation		
	Applied Biotechnology for Mammalian Development	Andrology		
	Regulation System of Animal Nutrition and Metabolism	Biology of Mammalian Germ Cells		
	Animal Molecular Morphology	Regulation of Animal Metabolism and Function		
	Physiology of Plant Production	Histophysiology on Host Defense Mechanism		
	Utilization of Fruit Resources	Molecular Ecology of Pathogenic Microorganisms		
	Ornamental Plant Resources	Pathogenesis of Infectious Diseases		
ndy Goal 4	Advanced Tropical Agronomy	Useful Animal Resources		
quire a high level of specialized knowledge in order to be able to take a guiding role in the academic field or in employment involved with agriculture to	Biochemistry and Molecular Biology for Horticultural Science	Physiology and Biochemistry of Economic Plants		
prove the quality and quantity of food production which is fundamental to the existence of humanity through the search, development and improvement of	Improvement of Agricultural Bioresources	Plant Molecular Breeding		
netic resources to contribute to food production in the 21st Century.	Exercise in Subject Development	Forests and Urban Greenspace		
	Overseas Exercise in Tropical Agriculture (intensive)	The Use of Plant Genetic Resources		
	Exercise in Asian Agriculture (intensive)	Fruit Tree Protection and Breeding		
	Exercise in International Plant and Animal Protection	Vegetable Plant Resources		
		Quality Control of Holticultural Products		
		Tropical Crop Physiology		
		Special Collaboration Lecture		
	Special Subject Exercise I -1	Special Subject Exercise I -2	Special Subject Exercise II −1	Special Subject Exercise II -

Advanced Physiology I Advanced Molecular Genetics Advanced Mechanism of Signal Transduction Animal Genome Science Plant Genetics Microbial Genomics Biorcaction Engineering Biorcaction Engineering Advanced Biochemical Engineering Molecular Biotechnology Plant Molecular Biotechnology Plant Molecular Biotechnology Plant Molecular Plant Pathology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Further enhance ones knowledge in the area/field associated with the intended area of specific expertise.		
Advanced Molecular Genetics Advanced Mechanism of Signal Transduction Animal Genome Science Plant Genetics Microbial Genomics Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging		
Advanced Molecular Genetics Advanced Mechanism of Signal Transduction Animal Genome Science Plant Genetics Microbial Genomics Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging		
Advanced Mechanism of Signal Transduction Animal Genome Science Plant Genetics Microbial Genomics Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Molecular Biotechnology Plant Molecular Biology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging		
Animal Genome Science Plant Genetics Microbial Genomics Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging		
Plant Genetics Microbial Genomics Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6		Advanced Mechanism of Signal Transduction
Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Study Goal 6 Microbial Genomics Bioreaction Engineering Advanced Biochemical Engineering Molecular Biology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging		Animal Genome Science
Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Advanced Biochemical Engineering Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6		Plant Genetics
Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Advanced Biochemical Engineering Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		Microbial Genomics
Study Goal 5 Furthermore acquire the skills necessary for a high-level professional. Advanced Biochemical Engineering Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		
Furthermore acquire the skills necessary for a high-level professional. Molecular Biotechnology Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		Bioreaction Engineering
Plant Molecular Biology Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6	Study Goal 5	Advanced Biochemical Engineering
Physiological and Molecular Plant Pathology Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6	Furthermore acquire the skills necessary for a high-level professional.	Molecular Biotechnology
Molecular Chemical Biology Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		Plant Molecular Biology
Food System Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		Physiological and Molecular Plant Pathology
Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		Molecular Chemical Biology
Environmental Informatics International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		
International Transportation Economics Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		Food System
Advanced Logistics Functional Packaging Study Goal 6 Other Subjects		Environmental Informatics
Functional Packaging Study Goal 6 Other Subjects		International Transportation Economics
Study Goal 6 Other Subjects		Advanced Logistics
		Functional Packaging
	Switz Coal 6	
		Other Subjects

Curriculum Policy of the Graduate School of Agricultural Science, Department of Agrobioscience Master's Program

Landson	1st year	1st year	2nd year	2nd year
Learning Objectives	1st semester	2nd semester	1st semester	2nd semester
	Advanced Science and Technology I-1			
lo Coal 1	Advanced Science and Technology I-2			
ly Goal 1 uire a common grounding in the five graduate schools of the natural sciences.	Advanced Science and Technology I-3			
common grounding in the five graduate schools of the natural sciences. al 2 broad grounding and interdisciplinary quality in agricultural sciences for the food, environment and health. al 3 te skills to summarize, present and express research results.	Advanced Science and Technology I-4			
	Advanced Science and Technology I-5			
iy Goal 2	Food, Environmental and Healthy Life (Section of Food)			
uy Goal 2 quire a broad grounding and interdisciplinary quality in agricultural sciences for the food, environment and health.	Food, Environmental and Healthy Life (Section of Environment)			
	Food, Environmental and Healthy Life (Section of Healthy Life)			
ly Goal 3 uire the skills to summarize, present and express research results.	Presentation Exercise I	Presentation Exercise II		
	Plant Molecular Biology	Protein Chemistry		
	Molecular and Cellular Biology	Organic Chemistry of Biologically Active Molecules		
	Biochemistry on Functional Food Factors	Natural Product Synthesis		
	Organic Chemistry for the Design of Biofunctional Molecules	Spectroscopic Analysis in Life Science		
	Functional Phytochemistry	Biochemistry of Plant Secondary Metabolism		
	Functional Chemistry of Animal Foods	Chemistry of Animal Production Resources		
	Applied Microbiology	Microbial Genomics		
	Molecular Nutrition	Function and Utilization of Carbohydrates		
	Structure and Function of Proteins	Soil Function		
y Goal 4 vive a high level of createlized knowledge in order to be able to take a guiding rate in the condemic field or in employment involved	Food Science and Physiology	Photosynthesis Physiological Biochemistry		
agriculture to elucidate the fundamental phenomena related to agriculture and foods from both the side of biology and chemistry.	Soil Biochemistry	Evolutionary Genetics of Domesticated Plants		
	Plant Mineral Nutrition	Stress Cytology		
	Plant Developmental Genetics	Environmental Analytical Science		
	Insect Management	Environmental Bioassay		
	Exercise in Subject Development	Chemical Reaction in Cell Signaling		
	Overseas Exercise in Tropical Agriculture (intensive)	Diagnosis of Plant Diseases		
	Exercise in Asian Agriculture (intensive)	Study on Biological Time Keeping		
	Exercise in International Plant and Animal Protection	Functional Biology of Insects		
		Special Collaboration Lecture		
	Special Subject Exercise I -1	Special Subject Exercise I -2	Special Subject Exercise I −1	Special Subject Exercise
	1		•	•
	Advanced Physiology I			
	Advanced Molecular Genetics			
	Advanced Mechanism of Signal Transduction			
	Animal Genome Science			
	Plant Genetics			
	Microbial Genomics			
	Di di E i i			
dy Goal 5	Bioreaction Engineering			
thermore acquire the skills necessary for a high-level professional.	Advanced Biochemical Engineering			

	Advanced Molecular Genetics		
	Advanced Mechanism of Signal Transduction		
	Animal Genome Science		
	Plant Genetics		
	Microbial Genomics		
0.10.15	Bioreaction Engineering		
Study Goal 5 Furthermore acquire the skills necessary for a high-level professional.	Advanced Biochemical Engineering		
	Molecular Biotechnology		
	Plant Molecular Biology		
	Physiological and Molecular Plant Pathology		
	Molecular Chemical Biology		
	Food System		
	Environmental Informatics		
	International Transportation Economics		
	Advanced Logistics		
	Functional Packaging		
Study Goal 6 Further enhance ones knowledge in the area/field associated with the intended area of specific expertise.	Other Subjects		

Curriculum Policy of the Graduate School of Agricultural Science, Department of Agricultural Engineering and Socio-Economics Doctoral Program

In the Doctoral Program of the Department of Agricultural Engineering and Socio-Economics, education and research is conducted related to the building of a symbiotic food system which includes production technology and nature, artificial environments, crops, foods, humans regional and international society based on an interdisciplinary point of view and methodology that comes from the fusion of agricultural engineering and agricultural engineering and agricultural engineering and agricultural engineering and supply systems in Japan,

Learning Objectives	1st year	1st year	2nd year	2nd year	3rd year	3rd year
Learning Objectives	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Study Goal 1	Advanced Science and TechnologyII -1		Advanced Science and TechnologyII -1		Advanced Science and TechnologyII -1	
	Advanced Science and TechnologyII -2		Advanced Science and TechnologyII -2		Advanced Science and TechnologyII -2	
Acquire a common academic grounding in the five graduate schools of the natural sciences.	Advanced Science and TechnologyII -3		Advanced Science and TechnologyII -3		Advanced Science and TechnologyII -3	
	Advanced Science and TechnologyII -4		Advanced Science and TechnologyII -4		Advanced Science and TechnologyII -4	
	Advanced Science and TechnologyII -5		Advanced Science and TechnologyII -5		Advanced Science and TechnologyII -5	
	Advanced Course of Rural Planning	Watershed Environment	Advanced Course of Rural Planning	Watershed Environment	Advanced Course of Rural Planning	Watershed Environment
Study Goal 2	Advanced Environmental Engineering Course for Agricutural Land	Terramechanis	Advanced Environmental Engineering Course for Agricutural Land	Terramechanis	Advanced Environmental Engineering Course for Agricutural Land	Terramechanis
Acquire a high level of technical knowledge along with a deep knowledge and outstanding specialized skills in order to be	Advanced Course of Hydraulic Structures Engineering	Advanced Course of Post-harvest Technology	Advanced Course of Hydraulic Structures Engineering	Advanced Course of Post-harvest Technology	Advanced Course of Hydraulic Structures Engineering	Advanced Course of Post-harvest Technology
able to take a guiding role in the academic field or in employment involved with agriculture and through the	Integrated Management System of Bio- Production	Food Information System	Integrated Management System of Bio- Production	Food Information System	Integrated Management System of Bio- Production	Food Information System
collaboration of the knowledge and technology in agricultural engineering and agricultural economics, and from the	Advanced Biomeasurement Technology Doctor Course		Advanced Biomeasurement Technology Doctor Course		Advanced Biomeasurement Technology Doctor Course	
extensive point of view which is not restricted to our country, construct systems that make sustainable and efficient food production and food supply possible.	Economics on Supply and Demand of Food		Economics on Supply and Demand of Food		Economics on Supply and Demand of Food	
production and rood supply possible.	Agricultural Organization Strategy		Agricultural Organization Strategy		Agricultural Organization Strategy	
Study Goal 3 Comprehensively acquire creativity, internationality, humanity and specialty.	Special Research 1	Special Research 2	Special Research 3	Special Research 4	Special Research 5	Special Research 6

Curriculum Policy-of the Graduate School of Agricultural Science, Department of Bioresource Science Doctoral Program

In the Doctoral Program of the Department of Bioresource Science, research and education is conducted in Bioresource Science which generalizes the various issues from the basis to the applications related to useful animals, plants, microbes and their interactions from the gene to the ecosystem level. The aim of the program is to train people with a rich knowledge and the skills which are the basis of the research directed towards the search, production, utilization and development of management technology of biological resources.

Learning Objectives	1st year	1st year	2nd year	2nd year	3rd year	3rd year
Learning Objectives	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
	Advanced Science and TechnologyII -1		Advanced Science and TechnologyII -1		Advanced Science and TechnologyII -1	
Study Goal I	Advanced Science and TechnologyII -2		Advanced Science and TechnologyII -2		Advanced Science and TechnologyII -2	
Study Goal 1 Acquire a common academic grounding in the five graduate schools of the natural sciences.	Advanced Science and TechnologyII -3		Advanced Science and TechnologyII -3		Advanced Science and TechnologyII -3	
schools of the natural sciences.	Advanced Science and TechnologyII -4		Advanced Science and TechnologyII -4		Advanced Science and TechnologyII -4	
	Advanced Science and TechnologyII -5		Advanced Science and TechnologyII -5		Advanced Science and TechnologyII -5	
	Animal Reproductive Physiology		Animal Reproductive Physiology		Animal Reproductive Physiology	
	Regulatory Mechanisms in Animal Life		Regulatory Mechanisms in Animal Life		Regulatory Mechanisms in Animal Life	
Study Goal 2 Acquire a high-level of technical knowledge along with a deep	Plant Resource Science		Plant Resource Science		Plant Resource Science	
knowledge and outstanding specialized skills in order to be able to take a guiding role in the academic field or in employment to	Intellectual and Innovative Trials in Horticultural Science		Intellectual and Innovative Trials in Horticultural Science		Intellectual and Innovative Trials in Horticultural Science	
improve the quality and quantity of food production which is fundamental to the existence of humanity through carrying out	Advanced Breeding and Genetics		Advanced Breeding and Genetics		Advanced Breeding and Genetics	
search, development and improvement of genetic resources to contribute to food production in the 21st Century.	Development of Animal and Plant Bioresources		Development of Animal and Plant Bioresources		Development of Animal and Plant Bioresources	
,	Exploitation of Biologically Active Components in Plants		Exploitation of Biologically Active Components in Plants		Exploitation of Biologically Active Components in Plants	
Study Goal 3 Comprehensively acquire creativity, internationality, humanity and specialty.	Special Research 1	Special Research 2	Special Research 3	Special Research 4	Special Research 5	Special Research 6

Curriculum Policy-of the Graduate School of Agricultural Science, Department of Agrobioscience Doctoral Program

In the Doctoral Program of the Department of Agrobioscience, research and education is conducted related to Agrobioscience, which is the bioscience for the utilization of the diverse functions in living organisms for the production of crops, foods, chemical and medical supplies. The aim of the program is to train people with an insight from a broad perspective to the direction in which the science should advance, with a rich knowledge and the skills which are vital in the advanced sciences related to the creation and conservation of agricultural environments and chemical applications in Agrobioscience, together with equipping them with the experimental and expressive power as well as the advanced research skills necessary to contribute to society.

Learning Objectives	1st year	1st year	2nd year	2nd year	3rd year	3rd year
Learning Objectives	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
	Advanced Science and TechnologyII -1		Advanced Science and TechnologyII -1		Advanced Science and TechnologyII -1	
Study Goal 1	Advanced Science and TechnologyII -2		Advanced Science and TechnologyII -2		Advanced Science and TechnologyII -2	
Acquire a common academic grounding in the five graduate schools of the natural sciences.	Advanced Science and TechnologyII -3		Advanced Science and TechnologyII -3		Advanced Science and TechnologyII -3	
schools of the natural sciences.	Advanced Science and TechnologyII -4		Advanced Science and TechnologyII -4		Advanced Science and TechnologyII -4	
	Advanced Science and TechnologyII -5		Advanced Science and TechnologyII -5		Advanced Science and TechnologyII -5	
	Advanced Genetics		Advanced Genetics		Advanced Genetics	
	Advanced Molecular Biology		Advanced Molecular Biology		Advanced Molecular Biology	
Study Goal 2	Advanced Course in Application of Molecular Microbiology		Advanced Course in Application of Molecular Microbiology		Advanced Course in Application of Molecular Microbiology	
Acquire a high-level of technical knowledge along with a deep knowledge and outstanding specialized skills in order to be able	Advanced Course in Protein Function		Advanced Course in Protein Function		Advanced Course in Protein Function	
to take a guiding role in the academic field or in employment involved with agriculture to elucidate the fundamental	Synthesis and Metabolism on Biofunctional Molecules		Synthesis and Metabolism on Biofunctional Molecules		Synthesis and Metabolism on Biofunctional Molecules	
phenomena related to agriculture and foods from both the side of biology and chemistry.	Science of Biologically Active Substances		Science of Biologically Active Substances		Science of Biologically Active Substances	
or biology and chemistry.	Soil Biochemistry and Plant Nutrition		Soil Biochemistry and Plant Nutrition		Soil Biochemistry and Plant Nutrition	
	Ecological and Environmental Management		Ecological and Environmental Management		Ecological and Environmental Management	
Study Goal 3 Comprehensively acquire creativity, internationality, humanity and specialty.	Special Research 1	Special Research 2	Special Research 3	Special Research 4	Special Research 5	Special Research 6