

## Curriculum Policy of the Faculty of Agriculture

The Faculty of Agriculture is equipped with extensive knowledge regarding agricultural sciences, and through the research conducted on current issues related to the “Food, Environment, Health and Life from Farm to Table” it aims to develop human resources with the knowledge and skills required to establish a sustainable society coexisting with nature and intellectual foundations for society.

Based on this aim of education and research, the faculty is arranged into six courses: Agricultural Engineering, Food and Environmental Economics, Animal Science, Plant Science, Applied Chemistry in Bioscience and Agroenvironmental Biology, and conducts the education following the Curriculum Map of each course.

Curriculum Policy of Regional Environmental Engineering Program, Agricultural Engineering Course, Department of Agricultural Engineering and Economics, Faculty of Agriculture

Faculty DP	Study goals	1st year		2nd year		3rd year		4th year		
		1st semester		2nd semester		1st semester		2nd semester		
		1st semester		2nd semester		1st semester		2nd semester		
Enriched Humanity	Acquisition of a rich and varied culture	Practical Seminar on Foreign Agriculture	Foreign Language I	Soil Physics	Foreign Language II	Surveying II	Environmental Engineering	Diploma Thesis	Diploma Thesis	
		Introduction to Computer Literacy	Foreign Language II	Foreign Language I	Numerical Analysis	Laboratory Course in Rural Environmental Engineering I	Laboratory Course in Rural Environmental Engineering II	Special Seminar on Rural Environmental Engineering	Special Seminar on Rural Environmental Engineering	
		Foreign Language I	Linear Algebra 2	Foreign Language II	Applied Mathematics II	Field Practice on Rural Environmental Engineering	Applied Hydrology II	Special Lecture on Rural Environmental Engineering	Special Lecture on Rural Environmental Engineering	
		Foreign Language II	Mathematical Statistics	Physics Laboratory	Surveying I	Applied Hydrology I				
		Linear Algebra 1	Physics B2	Mineralogy Petrology and Geochemistry	Structural Mechanics I	Regional Planning				
		Calculus A1	Basic Physical Chemistry	Applied Mathematics I	Hydraulics II	Implements and System Engineering				
		Calculus 1	Biology II	Strength of Materials						
		Physics B1	Biology III	Computer and Programming						
		Basic Inorganic Chemistry	Green Ethics	Hydraulics I						
		Basic Organic Chemistry	Introduction to Agricultural Engineering and Economics III	Environmental Meteorology						
		Biology I	Industrial Mechanics							
		Basic Historical Geology	Fundamentals for Information Processing							
Food Ethics										
Introduction to Agricultural Engineering and Economics I										
Introduction to Agricultural Engineering and Economics II										
Enriched Humanity	Acquisition of knowledge related to engineering ethics in Agriculture	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics		Rural Environment	Irrigation and Drainage Engineering	Environmental Engineering			
		Food Ethics	Green Ethics				Land Improvement Act			
								Special Lecture of Agricultural and Environmental Engineering		
		Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Surveying I	Surveying II	Environmental Engineering			
		Food Ethics	Green Ethics	Environmental Meteorology	Rural Environment	Irrigation and Drainage Engineering	Photogrammetry and Remote Sensing			
		Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics III		Hydraulics II	Structural Mechanics II	Laboratory Course in Rural Environmental Engineering II			
		Introduction to Agricultural Engineering and Economics II			Geotechnical Engineering I	Geotechnical Engineering II	Environmental Conservation for Agricultural Land			
		Health and Physical Education Course				Laboratory Course in Rural Environmental Engineering I				
						Constructional Materials				
						Management of Food Production				
						Food Policy				
Creativity	Improvement of critical competency	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics		Surveying I	Surveying II	Environmental Engineering	Special Seminar on Rural Environmental Engineering		
		Food Ethics	Green Ethics		Rural Environment	Irrigation and Drainage Engineering	Land Improvement Act	Special Lecture on Rural Environmental Engineering		
						Laboratory Course in Rural Environmental Engineering I	Special Lecture of Agricultural and Environmental Engineering			
						Field Practice on Rural Environmental Engineering	Laboratory Course in Rural Environmental Engineering II			
						Applied Hydrology I	Applied Hydrology II			
						Hydraulic Structures Engineering I	Environmental Conservation for Agricultural Land			
						Regional Planning	Hydraulic Structures Engineering II			
							Reinforced Concrete Engineering			
							Environmental Engineering	Diploma Thesis	Diploma Thesis	
							Land Improvement Act	Special Seminar on Rural Environmental Engineering	Special Seminar on Rural Environmental Engineering	
							Photogrammetry and Remote Sensing	Special Lecture on Rural Environmental Engineering	Special Lecture on Rural Environmental Engineering	
							Field Practice on Rural Environmental Engineering	Special Lecture of Agricultural and Environmental Engineering		
Creativity	Understanding and acquisition of new concepts and techniques	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Surveying I	Surveying II	Environmental Engineering	Diploma Thesis	Diploma Thesis	
		Food Ethics	Green Ethics	Environmental Meteorology	Rural Environment	Irrigation and Drainage Engineering	Land Improvement Act	Special Seminar on Rural Environmental Engineering	Special Seminar on Rural Environmental Engineering	
		Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics III			Laboratory Course in Rural Environmental Engineering I	Photogrammetry and Remote Sensing	Special Lecture on Rural Environmental Engineering	Special Lecture on Rural Environmental Engineering	
		Introduction to Agricultural Engineering and Economics II				Field Practice on Rural Environmental Engineering	Special Lecture of Agricultural and Environmental Engineering			
						Applied Hydrology I	Laboratory Course in Rural Environmental Engineering II			
						Hydraulic Structures Engineering I	Applied Hydrology II			
						Regional Planning	Environmental Conservation for Agricultural Land			
						Management of Food Production	Hydraulic Structures Engineering II			
						Food Policy	Reinforced Concrete Engineering			
							Practical Agronomy and Agronomics	Diploma Thesis	Diploma Thesis	
							Surveying II	Environmental Engineering	Special Seminar on Rural Environmental Engineering	Special Seminar on Rural Environmental Engineering
							Irrigation and Drainage Engineering	Land Improvement Act	Special Lecture on Rural Environmental Engineering	Special Lecture on Rural Environmental Engineering
Creativity	Improvement of creative imagination		Fundamentals for Information Processing	Strength of Materials	Agriculture and environment in Hyogo Prefecture	Practical Agronomy and Agronomics	Practical Agronomy and Agronomics	Diploma Thesis	Diploma Thesis	
				Computer and Programming		Numerical Analysis	Surveying II	Environmental Engineering	Special Seminar on Rural Environmental Engineering	
						Surveying I	Irrigation and Drainage Engineering	Land Improvement Act	Special Lecture on Rural Environmental Engineering	
						Structural Mechanics I	Structural Mechanics II	Special Lecture of Agricultural and Environmental Engineering		
						Rural Environment	Geotechnical Engineering II	Laboratory Course in Rural Environmental Engineering II		
						Geotechnical Engineering I	Laboratory Course in Rural Environmental Engineering I	Applied Hydrology II		
							Field Practice on Rural Environmental Engineering	Environmental Conservation for Agricultural Land		
							Applied Hydrology I	Hydraulic Structures Engineering II		
							Hydraulic Structures Engineering I	Reinforced Concrete Engineering		
							Regional Planning			
							Implements and System Engineering			
							Management of Food Production			
					Food Policy					

International Awareness	Improvement of communication skills	Practical Seminar on Foreign Agriculture	Foreign Language I	Foreign Language I	Foreign Language II	Surveying II	Special Lecture of Agricultural and Environmental Engineering	Diploma Thesis	Diploma Thesis	
		Foreign Language I	Foreign Language II	Foreign Language II	Numerical Analysis	Laboratory Course in Rural Environmental Engineering I	Laboratory Course in Rural Environmental Engineering II	Special Seminar on Rural Environmental Engineering		
	Understanding and realization of various points of view	Foreign Language II	Fundamentals for Information Processing	Computer and Programming	Surveying I	Field Practice on Rural Environmental Engineering	Regional Planning			
				Strength of Materials	Agriculture and environment in Hyogo Prefecture	Practical Agronomy and Agronomics	Practical Agronomy and Agronomics			
					Structural Mechanics I	Structural Mechanics II	Environmental Engineering			
					Rural Environment	Geotechnical Engineering II	Special Lecture of Agricultural and Environmental Engineering			
					Geotechnical Engineering I	Applied Hydrology I	Applied Hydrology II			
						Hydraulic Structures Engineering I	Environmental Conservation for Agricultural Land			
						Regional Planning	Hydraulic Structures Engineering II			
						Implements and System Engineering	Reinforced Concrete Engineering			
Understanding and acquisition of multifaceted concepts from a global view point	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Agriculture and environment in Hyogo Prefecture	Practical Agronomy and Agronomics	Practical Agronomy and Agronomics	Diploma Thesis	Diploma Thesis		
	Food Ethics	Green Ethics	Strength of Materials	Surveying I	Surveying II	Environmental Engineering	Special Seminar on Rural Environmental Engineering			
	Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics III	Environmental Meteorology	Structural Mechanics II	Irrigation and Drainage Engineering	Photogrammetry and Remote Sensing	Special Lecture on Rural Environmental Engineering			
	Introduction to Agricultural Engineering and Economics II			Rural Environment	Structural Mechanics II	Special Lecture of Agricultural and Environmental Engineering				
				Geotechnical Engineering I	Geotechnical Engineering II	Laboratory Course in Rural Environmental Engineering II				
					Laboratory Course in Rural Environmental Engineering I	Applied Hydrology II				
					Field Practice on Rural Environmental Engineering	Environmental Conservation for Agricultural Land				
					Applied Hydrology I	Hydraulic Structures Engineering II				
					Hydraulic Structures Engineering I	Reinforced Concrete Engineering				
					Regional Planning					
Improvement of the fundamental skills of the sciences related to Agriculture, rural society, production and distribution of foods	Introduction to Computer Literacy	Linear Algebra 2	Soil Physics	Numerical Analysis	Surveying II	Environmental Engineering				
	Linear Algebra 1	Mathematical Statistics	Physics Laboratory	Applied Mathematics II	Laboratory Course in Rural Environmental Engineering I	Laboratory Course in Rural Environmental Engineering II	Special Lecture on Rural Environmental Engineering			
	Calculus A1	Physics B2	Mineralogy Petrology and Geochemistry	Surveying I	Applied Hydrology I	Applied Hydrology II				
	Calculus I	Basic Physical Chemistry	Applied Mathematics I	Structural Mechanics I	Implements and System Engineering					
	Physics B1	Biology 2	Strength of Materials	Hydraulics II						
	Basic Inorganic Chemistry	Biology 3	Computer and Programming							
	Basic Organic Chemistry	Green Ethics	Hydraulics I							
	Biology I	Introduction to Agricultural Engineering and Economics III	Environmental Meteorology							
	Basic Historical Geology	Industrial Mechanic								
	Food Ethics	Fundamentals for Information Processing								
Acquisition of practical design skills to detect the problems in Agriculture, rural society, production and distribution of foods and precisely collate the results of the approach	Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics III	Environmental Meteorology							
	Introduction to Agricultural Engineering and Economics II	Fundamentals for Information Processing								
	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics	Soil Physics	Agriculture and environment in Hyogo Prefecture	Practical Agronomy and Agronomics	Practical Agronomy and Agronomics	Diploma Thesis	Diploma Thesis		
	Basic Inorganic Chemistry	Basic Physical Chemistry	Mineralogy Petrology and Geochemistry	Numerical Analysis	Surveying II	Environmental Engineering	Special Seminar on Rural Environmental Engineering			
	Basic Organic Chemistry	Biology II	Applied Mathematics I	Applied Mathematics II	Irrigation and Drainage Engineering	Land Improvement Act	Special Lecture on Rural Environmental Engineering			
	Biology I	Biology III	Strength of Materials	Surveying I	Structural Mechanics II	Photogrammetry and Remote Sensing				
	Basic Historical Geology	Green Ethics	Computer and Programming	Structural Mechanics I	Geotechnical Engineering II	Special Lecture of Agricultural and Environmental Engineering				
	Food Ethics	Introduction to Agricultural Engineering and Economics III	Hydraulics I	Rural Environment	Laboratory Course in Rural Environmental Engineering I	Laboratory Course in Rural Environmental Engineering II				
	Introduction to Agricultural Engineering and Economics I	Industrial Mechanic	Environmental Meteorology	Hydraulics II	Field Practice on Rural Environmental Engineering	Applied Hydrology II				
	Introduction to Agricultural Engineering and Economics II	Fundamentals for Information Processing		Geotechnical Engineering I	Applied Hydrology I	Environmental Conservation for Agricultural Land				
Realization of technical expertise related to the foundation of sustainable food production	Introduction to Practical Agronomy and Agronomics	Green Ethics	Computer and Programming	Numerical Analysis	Surveying I	Environmental Engineering	Diploma Thesis	Diploma Thesis		
	Food Ethics	Fundamentals for Information Processing	Hydraulics I	Surveying I	Irrigation and Drainage Engineering	Land Improvement Act	Special Seminar on Rural Environmental Engineering			
				Rural Environment	Structural Mechanics II	Photogrammetry and Remote Sensing	Special Lecture on Rural Environmental Engineering			
				Hydraulics II	Geotechnical Engineering II	Special Lecture of Agricultural and Environmental Engineering	Special Seminar for Food Safety Technology			
				Geotechnical Engineering I	Laboratory Course in Rural Environmental Engineering I	Laboratory Course in Rural Environmental Engineering II				
					Field Practice on Rural Environmental Engineering	Applied Hydrology II				
					Applied Hydrology I	Environmental Conservation for Agricultural Land				
					Hydraulic Structures Engineering I	Hydraulic Structures Engineering II				
					Regional Planning	Reinforced Concrete Engineering				
					Constructional Materials					
Acquisition of skills to analyze and process information concerning the issues of Agriculture, rural society, production and distribution of foods	Practical Seminar on Foreign Agriculture	Foreign Language I	Soil Physics	Foreign Language II	Surveying II	Special Lecture of Agricultural and Environmental Engineering	Diploma Thesis	Diploma Thesis		
	Introduction to Computer Literacy	Foreign Language II	Foreign Language I	Numerical Analysis	Laboratory Course in Rural Environmental Engineering I	Laboratory Course in Rural Environmental Engineering II	Special Seminar on Rural Environmental Engineering			
	Foreign Language I	Linear Algebra 2	Foreign Language II	Applied Mathematics II	Field Practice on Rural Environmental Engineering	Applied Hydrology II	Special Lecture on Rural Environmental Engineering			
	Foreign Language II	Mathematical Statistics	Physics Laboratory	Surveying I	Applied Hydrology I					
	Linear Algebra 1	Physics B2	Mineralogy Petrology and Geochemistry	Hydraulics II	Regional Planning					
	Calculus A1	Basic Physical Chemistry	Applied Mathematics I							
	Calculus I	Biology II	Strength of Materials							
	Physics B1	Biology III	Computer and Programming							
	Basic Inorganic Chemistry	Fundamentals for Information Processing	Hydraulics I							
	Basic Organic Chemistry		Environmental Meteorology							

Curriculum Policy of Biosystems Engineering Program, Agricultural Engineering Course, Department of Agricultural Engineering and Economics, Faculty of Agriculture

Faculty DP	Study goals	1st year		2nd year		3rd year		4th year	
		1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	Acquisition of a rich and varied culture	Practical Seminar on Foreign Agriculture	Foreign Language I	Foreign Language I	Numerical Analysis	Special Lecture on Biosystems Engineering II (Material and Energy Flow)	Farming Practice	Diploma Thesis	Diploma Thesis
		Introduction to Computer Literacy	Foreign Language II	Foreign Language II	Applied Mathematics II	Applied Hydrology I			
		Foreign Language I	Linear Algebra 2	Special Lecture on Biosystems Engineering I (Biomass Engineering)	Structural Mechanics I	Structural Mechanics I	Farming Practice		
		Foreign Language II	Mathematical Statistics	Soil Physics	Hydraulics II	Hydraulics II			
		Linear Algebra I	Physics B2		Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Special Lecture on Biosystems Engineering IV (Engineering Ethics)			
		Calculus A1	Basic Physical Chemistry						
		Calculus I	Biology II						
		Physics B1	Biology III						
		Basic Inorganic Chemistry	Green Ethics						
		Basic Organic Chemistry	Introduction to Agricultural Engineering and Economics III						
Acquisition of knowledge related to engineering ethics in Agriculture	Balance of intellect, reason and sensitivity	Introduction to Agricultural Engineering and Economics I							
		Introduction to Agricultural Engineering and Economics II							
		Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics	Special Lecture on Biosystems Engineering I (Biomass Engineering)	Special Lecture on Biosystems Engineering III (Engineering Ethics)	Field Practice on Bioproduction Engineering	Farming Practice		
		Food Ethics	Green Ethics	Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Irrigation and Drainage Engineering	Farming Practice		
		Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Hydraulics II	Laboratory Course in Biosystems Engineering II	Farming Practice	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
		Food Ethics	Green Ethics	Hydraulics I	Geotechnical Engineering I	Field Practice on Bioproduction Engineering	Laboratory Course in Biosystems Engineering III		
		Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics II	Environmental Meteorology	Laboratory Course in Biosystems Engineering I	Special Lecture on Biosystems Engineering II (Material and Energy Flow)			
		Introduction to Agricultural Engineering and Economics II	Special Lecture on Biosystems Engineering I (Biomass Engineering)	Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Irrigation and Drainage Engineering			
		Health and Physical Education Course		Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Farming Practice			
		Creativity	Development and improvement of ability to recognize present conditions and develop the resources that critically capture them	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics	Management of Food Production	Laboratory Course in Biosystems Engineering I	Laboratory Course in Biosystems Engineering II	Laboratory Course in Biosystems Engineering III
Food Ethics	Green Ethics			Food Information	Experimental Statistics	Field Practice on Bioproduction Engineering	Design of Machine Elements and Drawing		
Economics of Food and Agriculture					Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Irrigation and Drainage Engineering	Food Marketing		
					Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Applied Hydrology I			
					Economics and Environment	Food Policy			
Liberal Arts Core Course	Liberal Arts Core Course			Liberal Arts Core Course	Laboratory Course in Biosystems Engineering I	Laboratory Course in Biosystems Engineering II	Laboratory Course in Biosystems Engineering III	Diploma Thesis	Diploma Thesis
Food Ethics	Green Ethics			Environmental Meteorology	Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Field Practice on Bioproduction Engineering	Design of Machine Elements and Drawing	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics II			Special Lecture on Biosystems Engineering I (Biomass Engineering)	Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Irrigation and Drainage Engineering	Food Marketing		
Introduction to Agricultural Engineering and Economics II	Management of Food Production			Management of Food Production	Management of Food Production	Applied Hydrology I			
Economics of Food and Agriculture	Economics and Environment			Food Information	Food Information	Food Policy			
International Awareness	Improvement of creative problem solving skills based on technical proof		Fundamentals for Information Processing	Strength of Materials	Agriculture and environment in Hyogo Prefecture	Implements and System Engineering	Practical Agronomy and Agronomics	Diploma Thesis	Diploma Thesis
				Computer and Programming	Numerical Analysis	Laboratory Course in Biosystems Engineering II	Laboratory Course in Biosystems Engineering III	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
					Structural Mechanics I	Practical Agronomy and Agronomics	Design of Machine Elements and Drawing		
					Geotechnical Engineering I	Irrigation and Drainage Engineering			
					Laboratory Course in Biosystems Engineering I	Applied Hydrology I			
					Biostatistical Design and Analysis				
					Special Lecture on Biosystems Engineering IV (Engineering Ethics)				
					Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)				
International Awareness	Improvement of communication skills	Practical Seminar on Foreign Agriculture	Foreign Language I	Foreign Language I	Foreign Language II	Laboratory Course in Biosystems Engineering II	Farming Practice	Diploma Thesis	Diploma Thesis
		Foreign Language I	Foreign Language II	Foreign Language II	Numerical Analysis	Field Practice on Bioproduction Engineering	Laboratory Course in Biosystems Engineering III	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
		Foreign Language II	Fundamentals for Information Processing	Computer and Programming	Laboratory Course in Biosystems Engineering I	Farming Practice			
		Economics of Food and Agriculture		Strength of Materials	Agriculture and environment in Hyogo Prefecture	Laboratory Course in Biosystems Engineering II	Practical Agronomy and Agronomics		
				Special Lecture on Biosystems Engineering I (Biomass Engineering)	Structural Mechanics I	Food Process Engineering	Farming Practice		
				Management of Food Production	Geotechnical Engineering I	Automatic Control and Robotics	Information Science in Bioproduction Engineering		
				Food Information	Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Bioassessment Technology	Bioprocess Engineering		
					Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Power Units and Vehicles	Food Marketing		
					Economics and Environment	Field Practice on Bioproduction Engineering			
						Special Lecture on Biosystems Engineering II (Material and Energy Flow)			
International Awareness	Understanding and realization of various points of view								
International Awareness	Understanding and acquisition of multifaceted concepts with a global point of view	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Agriculture and environment in Hyogo Prefecture	Food Process Engineering	Practical Agronomy and Agronomics	Diploma Thesis	Diploma Thesis
		Food Ethics	Green Ethics	Strength of Materials	Surveying I	Automatic Control and Robotics	Farming Practice	Technology of Preservation of Horticultural Crops	
		Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics II	Environmental Meteorology	Structural Mechanics I	Bioassessment Technology	Information Science in Bioproduction Engineering		
		Introduction to Agricultural Engineering and Economics II	Special Lecture on Biosystems Engineering I (Biomass Engineering)	Special Lecture on Biosystems Engineering I (Biomass Engineering)	Rural Environment	Power Units and Vehicles	Bioprocess Engineering		
			Management of Food Production	Geotechnical Engineering I	Geotechnical Engineering I	Field Practice on Bioproduction Engineering	Food Marketing		
			Crop Evolution	Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Special Lecture on Biosystems Engineering IV (Engineering Ethics)	Special Lecture on Biosystems Engineering II (Material and Energy Flow)			
			Food Crop Science	Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Practical Agronomy and Agronomics	Chemistry and Utilization of Animal Production Food		
				Economics and Environment	Economics and Environment	Irrigation and Drainage Engineering			
				Plant Breeding	Plant Breeding	Applied Hydrology I			
				Chemistry and Technology of Animal Resources	Chemistry and Technology of Animal Resources	Farming Practice			
		Plant Nutrition	Plant Nutrition	Postharvest Biology and Technology of Horticultural Products					
		Soil Ecology	Soil Ecology	Food Biochemistry					
				Chemistry and Utilization of Animal Resources					
				Soil and Environment					
				Food Policy					

Improvement of the fundamental skills of the sciences related to Agriculture, rural society, production and distribution of foods	Introduction to Computer Literacy	Linear Algebra 2	Soil Physics	Numerical Analysis	Laboratory Course in Biosystems Engineering II	Laboratory Course in Biosystems Engineering III	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
	Linear Algebra I	Mathematical Statistics	Mineralogy Petrology and Geochemistry	Applied Mathematics II	Vibration Engineering	Control Engineering	Technology of Preservation of Horticultural Crops	
	Calculus A1	Physics B2	Applied Mathematics I	Structural Mechanics I	Special Lecture on Biosystems Engineering II (Material and Energy Flow)	Design of Machine Elements and Drawing		
	Calculus I	Basic Physical Chemistry	Strength of Materials	Hydraulics II	Special Lecture on Biosystems Engineering III (Material for Machine & Manufacturing Engineering)	Chemistry of Instrumental Analysis		
	Physics B1	Biology II	Computer and Programming	Laboratory Course in Biosystems Engineering I	Applied Hydrology I	Chemistry and Utilization of Animal Production Food		
	Basic Inorganic Chemistry	Biology III	Hydraulics I	Heat Transfer and Thermodynamics	Postharvest Biology and Technology of Horticultural Products			
	Basic Organic Chemistry	Green Ethics	Environmental Meteorology	Fluid Mechanics	Food Biochemistry			
	Biology I	Introduction to Agricultural Engineering and Economics III	Crop Evolution	Biostatistical Design and Analysis	Chemistry and Utilization of Animal Resources			
	Basic Historical Geology	Industrial Mechanic	Food Crop Science	Postharvest Physiology	Soil and Environment			
	Food Ethics	Fundamentals for Information Processing		Plant Breeding	Biophysical Chemistry			
	Introduction to Agricultural Engineering and Economics I			Chemistry and Technology of Animal Resources				
	Introduction to Agricultural Engineering and Economics II			Plant Nutrition				
Economics of Food and Agriculture			Soil Ecology					
Acquisition of practical design skills to detect the problems in Agriculture, rural society, production and distribution of foods and precisely collect the results of the approach	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics	Soil Physics	Agriculture and environment in Hyogo Prefecture	Laboratory Course in Biosystems Engineering II	Practical Agronomy and Agronomics	Diploma Thesis	Diploma Thesis
	Basic Inorganic Chemistry	Basic Physical Chemistry	Mineralogy Petrology and Geochemistry	Numerical Analysis	Vibration Engineering	Farming Practice	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
	Basic Organic Chemistry	Biology II	Applied Mathematics I	Applied Mathematics II	Field Practice on Bioproduction Engineering	Laboratory Course in Biosystems Engineering III		
	Biology I	Biology III	Strength of Materials	Structural Mechanics I	Special Lecture on Biosystems Engineering III (Material for Machine & Manufacturing Engineering)	Control Engineering		
	Basic Historical Geology	Green Ethics	Computer and Programming	Hydraulics II	Practical Agronomy and Agronomics	Design of Machine Elements and Drawing		
	Food Ethics	Introduction to Agricultural Engineering and Economics III	Hydraulics I	Geotechnical Engineering I	Irrigation and Drainage Engineering	Chemistry of Instrumental Analysis		
	Introduction to Agricultural Engineering and Economics I	Industrial Mechanic	Environmental Meteorology	Laboratory Course in Biosystems Engineering I	Applied Hydrology I			
	Introduction to Agricultural Engineering and Economics II	Fundamentals for Information Processing		Heat Transfer and Thermodynamics	Farming Practice			
				Fluid Mechanics	Biophysical Chemistry			
Realization of technical expertise related to the foundation of sustainable food production	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics	Computer and Programming	Numerical Analysis	Implements and System Engineering	Laboratory Course in Biosystems Engineering III	Diploma Thesis	Diploma Thesis
	Food Ethics	Green Ethics	Hydraulics I	Hydraulics II	Laboratory Course in Biosystems Engineering II	Information Science in Bioproduction Engineering	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
	Economics of Food and Agriculture	Fundamentals for Information Processing	Special Lecture on Biosystems Engineering I (Biomass Engineering)	Geotechnical Engineering I	Food Process Engineering	Control Engineering	Technology of Preservation of Horticultural Crops	
			Management of Food Production	Laboratory Course in Biosystems Engineering I	Automatic Control and Robotics	Bioprocess Engineering	Practical Seminar for Food Safety Technology	
			Food Information	Special Lecture on Biosystems Engineering V (Selected Topics in Agricultural Machinery)	Biomeasurement Technology	Food Marketing		
			Crop Evolution	Postharvest Physiology	Power Units and Vehicles	Chemistry and Utilization of Animal Production Food		
			Food Crop Science	Plant Breeding	Irrigation and Drainage Engineering			
				Chemistry and Technology of Animal Resources	Applied Hydrology I			
				Plant Nutrition	Postharvest Biology and Technology of Horticultural Products			
				Soil Ecology	Food Biochemistry			
				Economics and Environment	Chemistry and Utilization of Animal Resources			
					Soil and Environment			
				Food Policy				
				Practical Seminar for Food Safety Technology				
Acquisition of skills to analyze and process information concerning the issues of Agriculture, rural society, production and distribution of foods	Practical Seminar for Foreign Agriculture	Foreign Language I	Soil Physics	Foreign Language II	Laboratory Course in Biosystems Engineering II	Laboratory Course in Biosystems Engineering III	Diploma Thesis	Diploma Thesis
	Introduction to Computer Literacy	Foreign Language II	Foreign Language I	Numerical Analysis	Vibration Engineering	Information Science in Bioproduction Engineering	Seminar on Biosystem Engineering I	Seminar on Biosystem Engineering II
	Foreign Language I	Linear Algebra 2	Foreign Language II	Applied Mathematics II	Special Lecture on Biosystems Engineering III (Material for Machine & Manufacturing Engineering)	Design of Machine Elements and Drawing		
	Foreign Language II	Mathematical Statistics	Physics Laboratory	Surveying I	Applied Hydrology I	Chemistry of Instrumental Analysis		
	Linear Algebra I	Physics B2	Mineralogy Petrology and Geochemistry	Hydraulics II	Biophysical Chemistry			
	Calculus A1	Basic Physical Chemistry	Applied Mathematics I	Laboratory Course in Biosystems Engineering I				
	Calculus I	Biology II	Strength of Materials	Heat Transfer and Thermodynamics				
	Physics B1	Biology III	Computer and Programming	Fluid Mechanics				
	Basic Inorganic Chemistry	Fundamentals for Information Processing	Hydraulics I	Experimental Statistics				
	Basic Organic Chemistry		Environmental Meteorology					
	Biology I							
	Basic Historical Geology							

Curriculum Policy of Food and Environmental Economics Course, Department of Agricultural Engineering and Economics, Faculty of Agriculture

Faculty DP	Study goals	1st year		2nd year		3rd year		4th year	
		1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	Development of a rich individual culture of learning	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
		Information Science Course	Information Science Course						
	Acquisition of high ethical standards	Food Ethics	Green Ethics	Food Information	Economics and Environment	Cooperatives			
		Health and Physical Education Course				Management of Organizations			
Creativity	Development of an in-depth but critical understanding of classical concepts and methods	Linear Algebra 1		Management of Food Production	Agricultural Accounting	Food Policy	Agricultural Development		
		Calculus A1	Linear Algebra 2						
		Calculus 1	Mathematical Statistics						
		Basic Inorganic Chemistry	Biology II						
		Basic Organic Chemistry							
	Biology I								
	Acquisition of new concepts and techniques	Food Economics	Microeconomics I	Microeconomics II	Rural Survey	Positive Economics	Food Marketing		
					Food Industry				
International Awareness	Development of a holistic view	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
		Practical Seminar on Foreign Agriculture		Practical Seminar on Foreign Agriculture					
	Development of excellent communication skills	Foreign Language I	Foreign Language I	Foreign Language I	Foreign Language I				
		Foreign Language II	Foreign Language II	Foreign Language II	Foreign Language II				
Understanding and appreciation of various types of agriculture				Agricultural Extension System	Agricultural Extension System	Strategic Management			
Expertise	Acquisition of expert knowledge for problem identification	Introduction to Agricultural Engineering and Economics I	Introduction to Agricultural Engineering and Economics III	Related Subjects in Other Courses	Related Subjects in Other Courses	Related Subjects in Other Courses	Related Subjects in Other Courses		
		Introduction to Agricultural Engineering and Economics II		Related Subjects in Other Departments	Related Subjects in Other Departments	Related Subjects in Other Departments	Related Subjects in Other Departments		
	Acquisition of expert knowledge for problem solving	Food Economics	Microeconomics I	Microeconomics II	Rural Survey	Food Policy	Practice in Food and Environmental Economics III		
				Management of Food Production	Practice in Food and Environmental Economics I	Food Industry			
						Practice in Food and Environmental Economics II			
	Improvement of practical problem solving skills	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics	Food Information	Agricultural Accounting	Practical Agronomy and Agronomics	Practical Agronomy and Agronomics		
					Agriculture and environment in Hyogo Prefecture	Farming Practice II	Farming Practice II		
	Acquisition of knowledge which can be directed to the realization of a sustainable society	Food Economics	ESD Theory	Management of Food Production	Economics and Environment	Rural Resource Economics	Agricultural Development		
				Food Information	Agricultural Extension	Cooperatives	Food Marketing		
						Management of Organizations			
	Acquisition of holistic analytical skills					Special Lecture of Management of Food Production	Special Lecture of Food Economics	Special Lecture of Management of Food Production	Special Lecture of Food Economics
						Special Lecture of Food Economics		Special Lecture of Food Economics	
						Practical Seminar for Food Safety Technology		Practical Seminar for Food Safety Technology	
	Acquisition of skills to tackle contemporary problems					Positive Economics	Strategic Management	Diploma Thesis	Diploma Thesis

Curriculum Policy of Animal Science Course, Department of Bioresource Science, Faculty of Agriculture

Faculty DP	Study goals	1st year		2nd year		3rd year		4th year	
		1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	Deepening of culture	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
		Foreign Language I	Foreign Language I	Foreign Language I					
		Foreign Language II	Foreign Language II						
Enriched Humanity	Understanding of moral social norms and improvement of ethical values	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
		Health and Physical Education Course	Green Ethics						
		Food Ethics							
Enriched Humanity	Improvement of the ability to balance intellect, reason and sensitivity	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
		Health and Physical Education Course							
Creativity	Understanding of traditionally inherited knowledge and techniques	Food Ethics	Green Ethics						
		Introduction to Animal Science							
		Introduction to Plant Resource Science							
Creativity	Acquisition of new concepts and techniques							Diploma Thesis	Diploma Thesis
								Seminar on Animal Science	Seminar on Animal Science
International Awareness	Acquisition of communication skills and the understanding of various cultures and societies	Foreign Language I	Foreign Language I	Foreign Language I					
		Foreign Language II	Foreign Language II	Practical Seminar on Foreign Agriculture					
		Practical Seminar on Foreign Agriculture							
International Awareness	Improvement of English reading and international data gathering skills				Introduction to Scientific Literature I	Introduction to Scientific Literature II		Seminar on Animal Science	Seminar on Animal Science
Expertise	Acquisition of fundamental knowledge and analysis techniques related to characteristics and functions of living things	Information Science Course	Biology II	Biology Laboratory	ESD Theory				
		Basic Inorganic Chemistry	Biology III	Chemistry Laboratory					
		Basic Organic Chemistry	Basic Physical Chemistry	Physics Laboratory					
		Biology I	Linear Algebra 2						
		Linear Algebra 1	Mathematical Statistics						
		Calculus A1	Physics B2						
	Acquisition of the underlying expert knowledge of biological resources	Physics B1	ESD Theory						
		Food Ethics	Green Ethics		Introduction to Scientific Literature I	Introduction to Scientific Literature II			
		Introduction to Animal Science			Laboratory Animal Science and Technology				
	Acquisition of advanced knowledge and analytical methods for specialized research related to biological resources	Introduction to Plant Resource Science							
		Animal Histology	Basic Reproductive Biology	Nutritional Biochemistry	Developmental Biotechnology	Molecular Genetics for Animal Production	Animal Genomics		
			Animal Physiology	Functional Morphology I	Reproductive Endocrinology	Quantitative Genetics	Reproductive Biochemistry		
				Pathogenic Microbiology	Basic Wild Animal Science	Theriogenology	Reproductive Endocrinology		
				Protein and Enzyme Chemistry	Nutrition and Metabolism	Ecology of Gut Microbiota	Feed Science and Technology		
					Functional Morphology II	General Pathology	Immunology in Animal Science		
Understanding the production, utilization and development of management techniques for biological resources through work experience and practical training					Animal Production System	Intracellular Signal Transduction			
					Chemistry and Utilization of Animal Resources				
					Food Biochemistry				
Acquisition of necessary expertise in the production, utilization and development of management techniques for biological resources	Practical Seminar on Foreign Agriculture	Introduction to Practical Agr	Practical Seminar on Foreign Agriculture	Practice on Animal Science	Practice in Livestock Farm	Practice in Livestock Farm	Practical Seminar for Food Safety Technology		
	Introduction to Practical Agronomy and Agronomics			Agriculture and Environment in Hyogo prefecture	Laboratory Course in Animal Science	Laboratory Course in Animal Science			
					Practical Agronomy and Agronomics	Practical Agronomy and Agronomics			
					Practical Seminar for Food Safety Technology				
							Diploma Thesis	Diploma Thesis	
							Seminar on Animal Science	Seminar on Animal Science	

Curriculum Policy of Plant Science Course, Department of Bioresource Science, Faculty of Agriculture

Faculty DP	Study goals	1st year		2nd year		3rd year		4th year	
		1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	Acquisition of a rich and varied culture	Liberal Arts Core Course Linear Algebra I Calculus A1 Physics B1	Liberal Arts Core Course Mathematical Statistics	Liberal Arts Core Course	Liberal Arts Core Course				
	Improvement of one's balance of intellect, reason and sensitivity	Liberal Arts Core Course Health and Physical Education Course	Liberal Arts Core Course ESD Theory	Liberal Arts Core Course	Liberal Arts Core Course				
Creativity	Critical inheritance of traditional thinking and methods	Biology I	Biology II	Biology Laboratory	Biostatistical Design and Analysis	Functional Phytochemistry	Molecular biology	Protein and Enzyme Chemistry	
		Basic Genetics I	Biology III	Chemistry Laboratory			Plant Nutrition		
		Basic Inorganic Chemistry	Cell Biology						
	Acquisition of new concepts and techniques	Basic Organic Chemistry	Basic Physical Chemistry						
Introduction to Computer Literacy		Computer Science	Farming Practice I	Fundamental Laboratory Course in Plant Resource Science	Farming Practice II	Farming Practice II	Diploma Thesis	Diploma Thesis	
International Awareness	Acquisition of the ability to think of the food, agricultural and environmental problems from a global view point	Food Ethics	Green Ethics	Food Economics		Practical Seminar for Food Safety Technology	Agriculture and environment in Hyogo Prefecture	Management of Food Production	
		Introduction to Plant Resource Science		Practical Seminar on Foreign Agriculture		Practice in International Plant Protection			
	Acquisition of English reading and communication skills	Practical Seminar on Foreign Agriculture							
		Foreign Language I	Foreign Language I	Foreign Language I	Foreign Language I	Introduction to Scientific Literature	Advanced Laboratory Course in Plant Resource Science II	Seminar in Plant Resource Science I	Seminar in Plant Resource Science II
Expertise	Acquisition of expert knowledge related to the characteristics of food and industrial crops and the cultivation management	Foreign Language II	Foreign Language II						
		Introduction to Plant Resource Science	Tropical Economic Botany	Food Crop Science	Industrial Crop Science	Biological Function in Tropical Plants	Applied Crop Science	Implements and System Engineering	
	Acquisition of theory and technology related to the breeding of agricultural crops	Introduction to Plant Resource Science		Crop Evolution	Plant Breeding	Methods of Plant Breeding	Applied Crop Science		
		Introduction to Plant Resource Science	Introduction to Horticultural Science	Vegetable Plant Resources	Ornamental and Vegetable Plant Science	Ornamental Horticulture	Environmental Control in Plant Production	Implements and System Engineering	
	Acquisition of expert knowledge related to the characteristics of horticultural crops and the cultivation management, storage and processing technology			Fruit Science	Fruit Resources	Fruit Physiological Chemistry		Technology of Preservation of Horticultural Crops	
					Postharvest Physiology	Postharvest Biology and Technology of Horticultural Products			
	Acquisition of expert knowledge related to forestry ecosystem and conservation of forest environments	Introduction to Plant Resource Science	Introduction to Forest Science	Forest Ecology		Forest health Protection	Practice in Dendrology		
					Principles of Plant Pathology	Basic Soil Science	Environmental Material Science		
Acquisition of expert knowledge related to the environment of agricultural crops					Basic Entomology	Weed Science			
					Meteorology for Agriculture and Environmental Management				
Acquisition of topic research and problem-solving skills	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics	Farming Practice I	Fundamental Laboratory Course in Plant Resource Science	Farming Practice II	Farming Practice II	Diploma Thesis	Diploma Thesis	
					Advanced Laboratory Course in Plant Resource Science I	Advanced Laboratory Course in Plant Resource Science II	Seminar in Plant Resource Science I	Seminar in Plant Resource Science II	
					Practical Agronomy and Agronomics	Practical Agronomy and Agronomics			

Curriculum Policy of Applied Chemistry in Bioscience Course, Department of Agrobioscience, Faculty of Agriculture

Faculty DP	Study goals	1st year		2nd year		3rd year		4th year	
		1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	Acquisition of a rich and varied culture	Liberal Arts Core Course Health and Physical Education Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
	Acquisition of high ethical view	Food Ethics	Green Ethics						
Creativity	Acquisition of traditional thoughts and methods	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
	Acquisition of new concepts and techniques	Introduction to Computer Literacy	Computer Science		Laboratory Course in Applied Chemistry in Bioscience I	Laboratory Course in Applied Chemistry in Bioscience II	Laboratory Course in Applied Chemistry in Bioscience	Diploma Thesis	Diploma Thesis
Internatio nal Awarene ss	Understanding of various points of view	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
	Study of domestic and international agricultural and environmental problems	Practical Seminar on Foreign Agriculture	Green Ethics Introduction to Agrobioscience Introduction to Practical Agronomy and Agronomics	Practice in International Plant Protection Practical Seminar on Foreign Agriculture	Agriculture and environment in Hyogo Prefecture		Bio Industry and Innovation	Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of communication skills	Foreign Language I Foreign Language II	Foreign Language I Foreign Language II	Foreign Language I Foreign Language II	Foreign Language I Foreign Language II	Fundamental English in Bioscience		Seminar in Agrobioscience I	Seminar in Agrobioscience II
Expertise	Acquisition of wide-ranging knowledge which will form the foundation of expertise	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
	Acquisition of fundamental knowledge, thinking and techniques related to agriculture, food and environmental conservation	Food Ethics Introduction to Agriculture and Plant Protection Introduction to Biofunctional Molecules in Applied Chemistry in Bioscience Introduction to Practical Agronomy and Agronomics	Green Ethics ESD Theory Introduction to Agrobioscience Introduction to Practical Agronomy and Agronomics			Farming Practice Practical Seminar for Food Safety Technology Practical Agronomy and Agronomics	Farming Practice Practical Agronomy and Agronomics Bio Industry and Innovation	Practical Seminar for Food Safety Technology	
	Acquisition of specialized English reading and information-gathering capability					Fundamental English in Bioscience		Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of fundamental experimental methods			Chemistry Laboratory Laboratory Biology Physics Laboratory	Laboratory Course in Applied Chemistry in Bioscience I	Laboratory Course in Applied Chemistry in Bioscience II	Laboratory Course in Applied Chemistry in Bioscience Basic Technology and Methodology for Bioscience	Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of fundamental knowledge related to chemistry	Organic Chemistry I Basic Inorganic Chemistry Physics B 1	Organic Chemistry II Basic Physical Chemistry	Analytical Chemistry Organic Functional Chemistry	Chemistry and Biochemistry of Plant Metabolites Chemistry of Instrumental Analysis	Biophysical Chemistry	Radiation Science	Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of fundamental knowledge related to biology	Biology I Basic Genetics I	Biology III Basic Genetics II Cell Biology Molecular Biology	Protein and Enzyme Chemistry Biochemistry of Metabolism Outline of Microbiology	Chemistry and Technology of Animal Resources		Bio Industry and Innovation	Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of expert knowledge related to plants and microorganisms			Outline of Microbiology	Microbiological Chemistry I Chemistry and Biochemistry of Plant Metabolites	Microbiological Chemistry II Microbial Genetics Chemistry of Plant Metabolic Pathways	Genome Analysis Fermentation Microbiology Functional Phytochemistry Basic Technology and Methodology for Bioscience	Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of expert knowledge related to animals, food and biochemistry			Protein and Enzyme Chemistry Biochemistry of Metabolism	Chemistry and Technology of Animal Resources Nutritional Chemistry	Chemistry and Utilization of Animal Resources Biofunctional Chemistry of Nutrients Food Biochemistry	Chemistry and Utilization of Animal Production Food Biochemistry Frontiers I Glyco-chain Biochemistry Basic Technology and Methodology for Bioscience Intracellular Signal Transduction	Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of expert knowledge related to organic chemistry and physical chemistry			Organic Functional Chemistry	Chemistry and Biochemistry of Plant Metabolites	Organic Reactions Biophysical Chemistry	Bioorganic Chemistry	Diploma Thesis Seminar in Agrobioscience I	Diploma Thesis Seminar in Agrobioscience II
	Acquisition of expert knowledge related to environmental biology		Fundamentals of Plant Nutrition	Basic Entomology Basic Soil Science	Environmental Material Science Environmental Genetic Engineering Principles of Plant Pathology Plant Nutrition Soil Ecology Structures and Functions of Insects	Environmental Molecular Science Nano-biotechnology Bioanalytical Science Biology of Plant Pathogenic Microbes Soil Mineralogy Evolutionary Ecology Ecology and Management of Insects Soil Mineralogy Evolutionary Ecology	Immunology in Animal Science Insect Genetics and Biochemistry Soil Mineralogy Ecology and Management of Insects	Nano-biotechnology Soil Mineralogy Ecology and Management of Insects	Insect Genetics and Biochemistry

Curriculum Policy of Agroenvironmental Biology Course, Department of Agrobioscience, Faculty of Agriculture

Faculty DP	Study goals	1st year		2nd year		3rd year		4th year	
		1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	Acquisition of a rich and varied culture	Liberal Arts Core Course Health Science and Physical Education	Liberal Arts Core Course Health Science and Physical Education	Liberal Arts Core Course	Liberal Arts Core Course				
	Acquisition of high ethical view	Food Ethics	Green Ethics						
Creativity	Acquisition of traditional thinking and techniques	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Farming Practice	Farming Practice		
		Food Ethics	Green Ethics			Practical Agronomy and Agronomics	Practical Agronomy and Agronomics		
		Introduction to Agriculture and Plant Protection	ESD Theory				Bio Industry and Innovation		
	Acquisition of new concepts and techniques	Introduction to Biofunctional Molecules in Applied Chemistry in Bioscience	Introduction to Agrobioscience						
Introduction to Practical Agronomy and Agronomics		Introduction to Practical Agronomy and Agronomics							
International Awareness	Introduction to Computer Literacy	Computer Science			Laboratory Exercise in Biological and Environmental Science I	Laboratory Exercise in Biological and Environmental Science II	Basic Technology and Methodology for Bioscience	Diploma Thesis	Diploma Thesis
							Laboratory Exercise in Biological and Environmental Science III	Seminar in Agrobioscience I	Seminar in Agrobioscience II
	Understanding of various points of view	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
	Study of domestic and international agricultural and environmental problems	Practical Seminar on Foreign Agriculture		Practice in International Plant Protection	Agriculture and Environment in Hyogo Prefecture				
Acquisition of communication skills	Foreign Language I	Foreign Language I	Foreign Language I	Foreign Language I	Fundamental English in Bioscience		Basic Technology and Methodology for Bioscience	Seminar in Agrobioscience I	Seminar in Agrobioscience II
	Foreign Language II	Foreign Language II	Foreign Language II	Foreign Language II					
Expertise	Acquisition of wide-ranging knowledge which will form the foundation of expertise	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course	Liberal Arts Core Course				
	Acquisition of the techniques and thinking related to agriculture and environmental conservation	Food Ethics	Green Ethics			Farming Practice	Farming Practice		
		Introduction to Agriculture and Plant Protection	ESD Theory			Practical Seminar for Food Safety Technology	Practical Agronomy and Agronomics		
		Introduction to Biofunctional Molecules in Applied Chemistry in Bioscience	Introduction to Agrobioscience			Practical Agronomy and Agronomics	Bio Industry and Innovation		
	Acquisition of fundamental experimental methods	Introduction to Practical Agronomy and Agronomics	Introduction to Practical Agronomy and Agronomics						
				Chemistry Laboratory	Laboratory Exercise in Biological and Environmental Science I	Laboratory Exercise in Biological and Environmental Science II	Laboratory Exercise in Biological and Environmental Science III	Diploma Thesis	Diploma Thesis
	Acquisition of fundamental physics and chemistry			Physics Laboratory					
				Biology Laboratory					
		Physics B1	Organic Chemistry II	Organic Functional Chemistry	Biochemistry of Agrochemicals	Biophysical Chemistry	Bio Industry and Innovation		
		Organic Chemistry I	Basic Physical Chemistry	Analytical Chemistry	Chemistry and Biochemistry of Plant Metabolites	Bioanalytical Science			
Acquisition of fundamental biology	Basic Inorganic Chemistry			Nutritional Chemistry	Food Biochemistry				
				Chemistry of Instrumental Analysis	Organic Reactions				
					Biofunctional Chemistry of Nutrients				
	Biology I	Biology III	Protein and Enzyme Chemistry	Molecular Genetics	Cytogenetics	Fermentation Microbiology			
	Basic Genetics I	Cell Biology	Biochemistry of Metabolism	Outline of Microbiology	Plant Metabolic Chemistry				
		Basic Genetics II		Microbiological Chemistry I	Microbiological Chemistry II				
Acquisition of expert knowledge related to molecular biological science					Microbial Genetics				
				Environmental Material Science	Bioanalytical Science	Biochemical Reactions	Diploma Thesis	Diploma Thesis	
				Environmental Genetic Engineering	Nano-biotechnology	Biorganic Chemistry	Seminar in Agrobioscience I	Seminar in Agrobioscience II	
					Genome Analysis	Nano-biotechnology	Nano-biotechnology	Biochemical Reactions	
Acquisition of expert knowledge related to botany					Glyco-chain Biochemistry				
					Population Genetics		Population Genetics		
		Basic Plant Nutrition	Crop Evolution	Principles of Plant Pathology	Biochemistry on Plant Cell Signaling	Functional Phytochemistry	Diploma Thesis	Diploma Thesis	
		Tropical Botany	Food Crop Science	Plant Nutrition	Biology of Plant Pathogenic Microbes		Seminar in Agrobioscience I	Seminar in Agrobioscience II	
			Fruit Science	Introduction to Forest Science	Responses of Plants against Environmental Stresses		Plant Genetic Resources		
			Practice in International Plant Protection	Ornamental and Vegetable Plant Science	Plant Genetic Resources				
Acquisition of expert knowledge related to soil, insects and ecology				Plant Breeding	Weed Science				
			Basic Entomology	Soil Ecology	Evolutionary Ecology	Insect Genetics and Biochemistry	Diploma Thesis	Diploma Thesis	
			Basic Soil Science	Structure and Function of Insects	Soil and Environment		Seminar in Agrobioscience I	Seminar in Agrobioscience II	
					Ecology and Management of Insects		Ecology and Management of Insects	Insect Genetics and Biochemistry	
				Soil Mineralogy		Soil Mineralogy			