

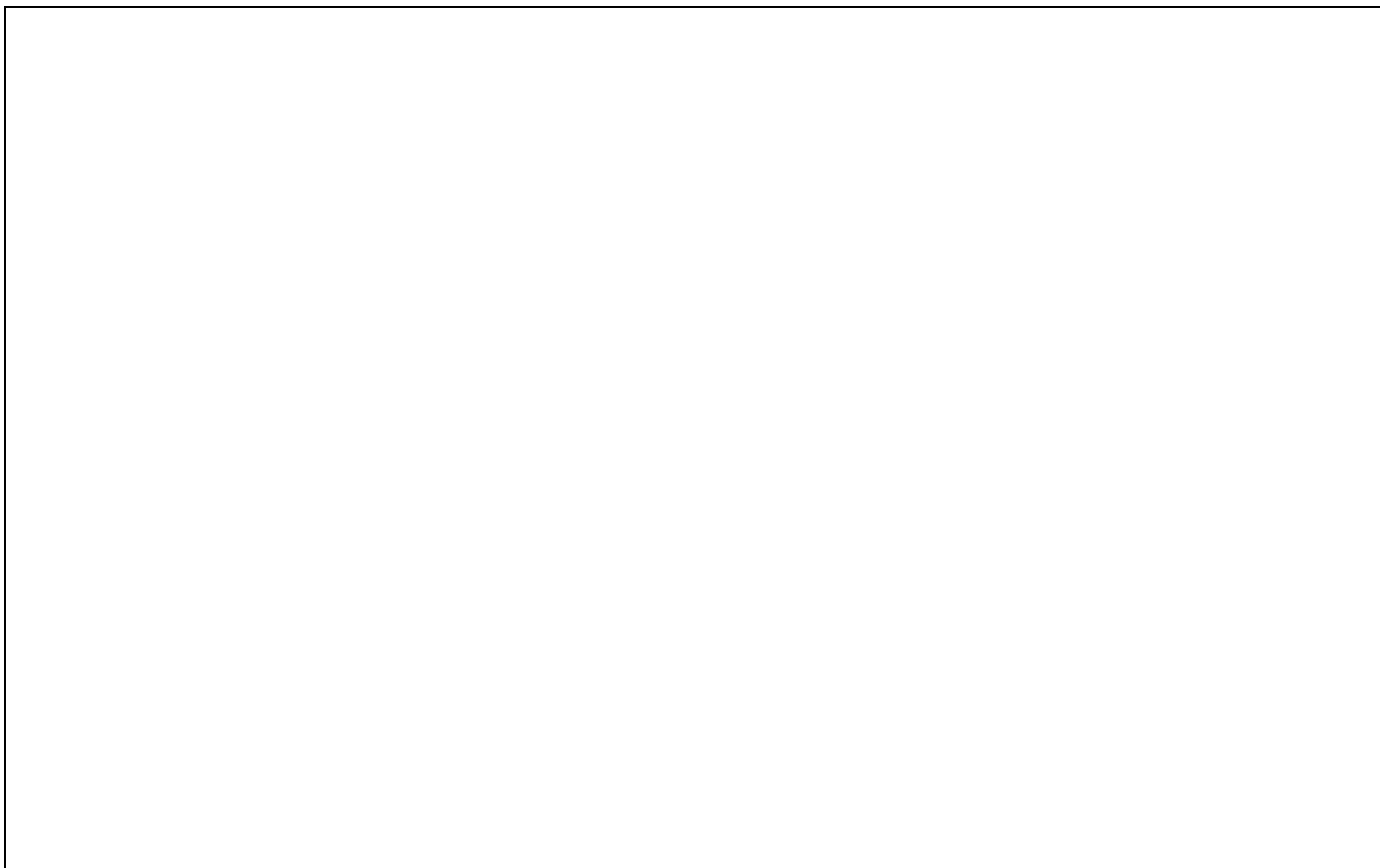


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Liberal Arts Education Subjects	Peace Science Courses			2	From "Peace Science Courses"			Each 2	Elective/required									
	Basic Courses in University Education	Introduction to University Education			2	Introduction to University Education			2	Required								
		Introductory Seminar for First-Year Students			2				2	Required								
					(0)				1	Free elective								
	Common Subjects	Area Courses			12				1 or 2	Elective/required								
		Foreign Languages	Basic English Usage		2	Basic English Usage I			1	Required								
					Basic English Usage II			1										
					2				1	Required								
								1										
					2				1	Required								
								1										
					(0)				1	Free elective								
									1									
									1									
									1									
		Information and Data Science Courses				2	Introduction to Information and Data Sciences			2	Required							
						2	Starting Programming from Scratch			2	Elective/required							
							Fundamental Date Science			2								
					(0)	From "Social Cooperation Courses"			1 or 2	Free elective								
	Foundation Courses				2				1	Required								
									1									
					2	General Chemistry			2	Elective/required								
						Fundamental Physical Chemistry			2									
					1 subjects (2 credits) from the two subjects above													
					2				1	Elective/required								
									1									
									1									
									1									
						1												
			1															



# Academic achievements of Biology Program

## Relationships between the evaluation items and evaluation criteria

	Excellent	Very Good	Good
(1) Studying to understand liberal arts, peace, foreign languages, culture and society.	Superbly being able to understand.	Being able to understand well.	Being able to understand.
(2) Understanding and learning basic knowledge in scientific fields.	Superbly being able to understand and learn.	Being able to understand and acquire.	Being able to understand and acquire.
(3) To understand and acquire advanced knowledge on specialties in biology.	Superbly being able to understand and learn.	Being able to understand and acquire.	Being able to understand and acquire.
(1) To acquire abilities to understand information security compliance, to collect and evaluate data.	Superbly being able to understand the information security compliance, collect data, and assess them.	Being able to understand well about information security compliance and collect data and evaluate it.	To be able to collect and evaluate data by understanding Information Security Compliance.
(2) Acquiring ability to apply basic knowledge to biological issues and reading comprehension of English theses. Based on basic knowledge which is already acquired, to obtain the following experimental skills in order to practice	Superbly being able to solve several biological issues and read English theses.	Being able to sufficiently solve various biology issues, read english avademic articles.	To be able to solve physiological problems and to understand English academic papers.
(3) research: 1) Basic observation skills and skills to manage experiments. 2) Ability to record observed natural phenomena. 3) Abilitv to collect and assess data.	Superbly being able to acquire the ability of experiment		



Relationships between the evaluation items and class subjects

Subject Classification	Subject Name				Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items
Liberal Arts Education	Peace Science Courses	2	Elective/required	1-2T	100	1														100
Liberal Arts Education	Introduction to University Education	2	Required	1-1T	100	1														100
Liberal Arts Education	Introductory Seminar for First-Year Students	2	Required	1-2T													100	2		100
Liberal Arts Education	Advanced seminar	1	Free elective	1-2													100	2		100
Liberal Arts Education	Area Courses	12	Elective/required	1-2	100	1														100
Liberal Arts Education	Basic English Usage I	1	Required	1	100	1														100
Liberal Arts Education	Basic English Usage II	1	Required	2	100	1														100
Liberal Arts Education		2	Required	1	100	2														100
Liberal Arts Education		2	Required	2	100	2														100
Liberal Arts Education	Foreign Languages: Basic	1	Free elective	1	100	1														100
Liberal Arts Education	Foreign Languages: Basic	1	Free elective	1	100	1														100
Liberal Arts Education	Foreign Languages: Basic	1	Free elective	2	100	1														100
Liberal Arts Education	Foreign Languages: Basic	1	Free elective	2	100	1														100
Liberal Arts Education	Introduction to Information and Data Sciences	2	Required	1-2T							100	2								100
Liberal Arts Education	Starting Programming from Scratch	2	Elective/required	2-3T							100	2								100
Liberal Arts Education	Fundamental Date Science	2	Elective/required	2-4T							100	2								100
Liberal Arts Education	Social Cooperation Courses	0	Free elective	1-2	100	1														100
Liberal Arts Education	Experimental Methods and	2	Required	2-3T											100	2				100
Liberal Arts Education	Experimental Methods and	2	Required	2-4T											100	2				100
Liberal Arts Education	General Chemistry	2	Elective/required	1-1T			100	1												100
Liberal Arts Education	Fundamental Physical Chemistry	2	Elective/required	2-3T			100	1												100
Liberal Arts Education	Experimental Methods and	2	Elective/required	2-3T											100	1				100



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Subject Classification	Subject Name	Credits	Type of course registration	Grade	Evaluation items																Total weighted values of evaluation items in the subject	
					Knowledge and Understanding						Abilities and Skills						Comprehensive Abilities					
					(1)		(2)		(3)		(1)		(2)		(3)		(1)		(2)			
					Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items		Weighted values of evaluation items in the subject
Specialized Education	Plant Physiology B	2	Elective/required	4-4T					100	2												100
Specialized Education	Plant Ecology B	2	Elective/required	4-3T					100	2												100
Specialized Education		2	Elective/required	5-1T					100	2												100
Specialized Education	Genome Biology	2	Elective/required	5-2T					100	2												100
Specialized Education	Systems Biology	2	Elective/required	5-1T					100	2												100
Specialized Education	Regeneration Biology	2	Elective/required	5-1T					100	2												100
Specialized Education	Seminar for Developmental Biology	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Cell Biology	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Molecular Physiology	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Plant Taxonomy and Ecology	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Plant Physiological Chemistry	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Plant and Microbial Molecular Genetics	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Molecular Genetics	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Molecular Plant Biology	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Gene Chemistry	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Evolution and Development	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Island Biology	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Plant Genetic Resources	2	Elective/required	8									100	2								100
Specialized Education	Seminar for Amphibian Biology	2	Elective/required	8									100	2								100
Specialized Education	Summer Course for Marine Biology A	1	Elective/required	3											100	2						100
Specialized Education	Practice for Phytogeography	1	Elective/required	3											100	2						100
Specialized Education	Practice for Ecology	1	Elective/required	4											100	2						100
Specialized Education	Summer Course for Marine Biology B	1	Free elective	5											100	2						100
Specialized Education	Marine Biological Course	2	Free elective	3											100	2						100
Specialized Education	Marine course for marine biological education	1	Free elective	1-2											100	2						100

Subject Classification	Subject Name	Credits	Type of course registration	Grade	Evaluation items																Total weighted values of evaluation items in the subject
					Knowledge and Understanding						Abilities and Skills						Comprehensive Abilities				
					(1)		(2)		(3)		(1)		(2)		(3)		(1)		(2)		
					Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	
Specialized Education	Biology Internship	1	Free elective	5									100	2							100

## Sheet4

Academic achievements	1st grade		2nd grade		3rd grade		4th grade	
	Spring semester	Fall semester	Spring semester	Fall semester	Spring semester	Fall semester	Spring semester	Fall semester
Studying to understand liberal arts, peace, foreign languages, culture and society.								
	Foreign Languages: Basic	Foreign Languages: Basic						
	Foreign Languages: Basic	Foreign Languages: Basic						
Understanding and learning basic knowledge in scientific fields.	Introduction to University							
		Fundamental Physical Chemistry						
		Introduction to Information						
	Introduction to Biological	Introduction to Biological						
	Introduction to Earth and	Introduction to Earth and						
			Developmental B	Cell B				
			Plant E	Plant P	Developmental B			
			Cell B					
To understand and acquire advanced knowledge on specialties in biology.			Molecular G	Molecular G				
				Animal P				
				Regulation of Animal M	Animal P			
				Plant P				
				Plant E	Plant M			

Academic achievements Evaluation items		1st grade		2nd grade		3rd grade		4th grade	
		Spring semester	Fall semester	Spring semester	Fall semester	Spring semester	Fall semester	Spring semester	Fall semester
Abilities and Skills	To acquire abilities to understand information security compliance, to collect and evaluate data.	Introduction to Information and	Starting Programming from						
	Acquiring ability to apply basic knowledge to biological issues and reading comprehension of English theses.		English Seminar on Biological						Seminar for Developmental B
									Seminar for Cell B
									Seminar for Molecular Physiology
									Seminar for Plant Taxonomy and E
									Seminar for Plant Physiological C
									Seminar for Plant and Microbial Molecular G
									Seminar for Molecular Genetics
									Seminar for Molecular Plant B
									Seminar for Gene C
									Seminar for Evolution and D
									Seminar for Island B
									Seminar for Plant Genetic
									Seminar for Amphibian Biology
	Based on basic knowledge which is already acquired, to obtain the following experimental skills in order to practice research: 1) Basic observation skills and skills to manage experiments. 2) Ability to record observed natural phenomena. 3) Ability to collect and assess data.		Experimental Methods and Laboratory Work	Experimental Methods and Laboratory Work					
			Experimental Methods and Laboratory Work	Experimental Methods and Laboratory Work					
			Experimental Methods and Laboratory Work	Practice for Fundamental Biology	Practice for Fundamental Biology	Practice for Fundamental Biology	Practice for Fundamental Biology		
			Experimental Methods and Laboratory Work	Summer Course for Marine		Summer Course for Marine			
			Experimental Methods and Laboratory Work						
			Experimental Methods and Laboratory Work						
Comprehensive Abilities	Understanding rudimentary matters for biological ways of experiments and writing reports through observation of research objects, collection, consideration, discussion and presentation.	Introductory Seminar for First-							
	To absorb cutting-edge knowledge, acquire high-level skills, learn how to conduct research, improve presentation ability through discussion, summarize research results as a graduation thesis, and deliver presentations.								
Liberal Arts Education Subjects			Basic Specialized Subjects	Specialized Education Subjects	Graduation Thesis				