For entrants in AY 2021

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	物理学プログラム
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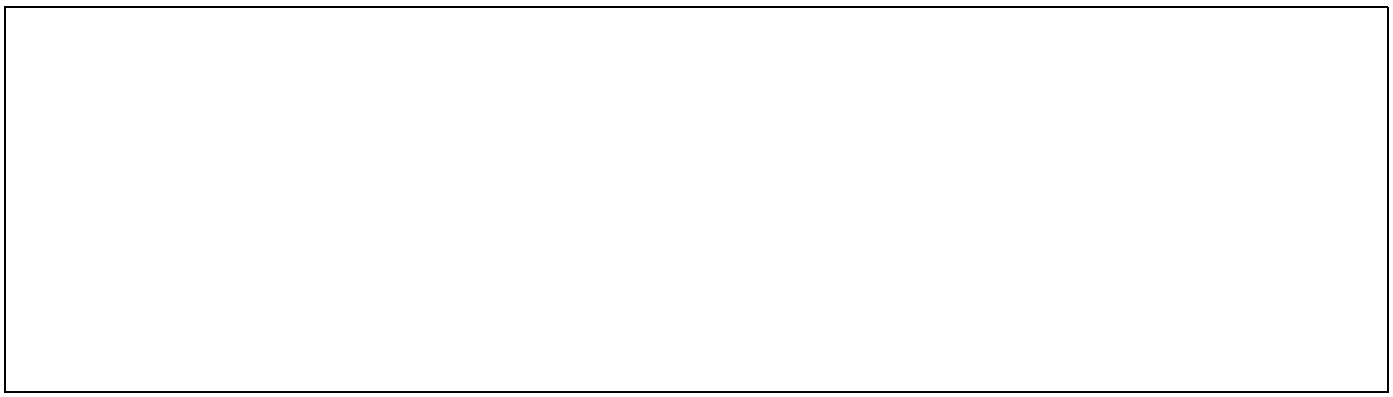

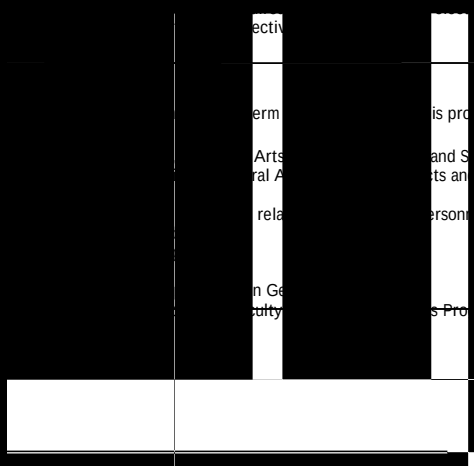

Introduction to Mathematics	2	○								
Introduction to Information Mathematics	2		○							
Introduction to Chemistry A	2	○								
Introduction to Chemistry B	2		○							
Introduction to Biological Sciences A	2	○								
Introduction to Biological Sciences B	2		○							
Introduction to Earth and Planetary Sciences A	2	○								
Introduction to Earth and Planetary Sciences B	2		○							
Mechanics A	2									
Mechanics B	2									
Exercises in Mechanics	2									
Mathematics for Physics	2									
Analytical Mechanics	2									
Thermodynamics Mechanics	2									
Electromagnetism	2									
Exercises in Electromagnetism	2									
Mathematics for Physics	2									
Electromagnetism	2									
Quantum Mechanics	3									
Mathematics for Physics	2									
Quantum Mechanics	2									
Exercises in Quantum Mechanics	2									
Statistical Mechanics	2									
Statistical Mechanics	2									
Exercises in Statistical Mechanics	2									
Exercises of Physics Note 8	2	○								
Mathematics for Physics Note 8	2	○								
Introduction of Physics Note 8	2		○							
Exercise in Electromagnetism and Quantum Mechanics Note 8	2				○					
Computational Physics Note 8	2				○					
English on Physics	2			○						
Physics Internship	1			○						
Experimental Methods in Physics	2									
Laboratory in Physics	3									
Laboratory in Physics	3									
Physics Seminar	3									
Special Study for Graduation	4									
Special Study for Graduation	4									
Advanced Mathematics	2					○				
Advanced Physics	2				○					
Advanced Chemistry	2						○			
Advanced Biology	2					○				
Advanced Earth and Planetary Science	2						○			
Structural and Physical Properties of Solid	2					○				
Theory of Relativity Note 8	2					○				
Applied Electromagnetic Mechanics	2					○				
Molecular Physics	2						○			
Quantum Mechanics Note 8	2						○			
Solid State Physics	2						○			
Nuclear and Particle Physics	2						○			
Astrophysics	2						○			
Mechanics of Continuous Media Note 8)	2						○			
Relativistic Quantum Mechanics	2							○		
Solid State Physics	2							○		
"Special Lectures in Physics" (Note 9		○	○	○	○	○	○	○	○	
"Basic Specia○ d	2					ob	IxU			

Relationships between the evaluation items and class subjects

Subject Classification	Subject Name	Credits	Type of course registration	Grade	Evaluation items																								Total weighted values of evaluation items in the
					Knowledge and Understanding								Abilities and Skills								Comprehensive Abilities								
					(1)		(2)		(3)		(4)		(1)		(2)		(3)		(4)		(1)		(2)		(3)		(4)		
					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	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							100	1																	100
Liberal Arts Education	Introduction to University Education	2	Required	1							100	1																	100
Liberal Arts Education	Introductory Seminar for First-Year Students	2	Required	1					30	1							35	1					35	1					100
Liberal Arts Education	Area Courses	8	Elective/required	1 4							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	Communication	2	Required	1					100	1																			100
Liberal Arts Education	Communication	2	Required	2					100	1																			100
Liberal Arts Education	Foreign Languages: Basic Studies	1	Free elective	1					100	1																			100
Liberal Arts Education	Foreign Languages: Basic Studies	1	Free elective	1					100	1																			100
Liberal Arts Education	Foreign Languages: Basic Studies	1	Free elective	2					100	1																			100
Liberal Arts Education	Foreign Languages: Basic Studies	1	Free elective	2					100	1																			100
Liberal Arts Education	Introduction to Information and Data Sciences	2	Required	1																							100	1	100
Liberal Arts Education	Computer Programming	2	Elective/required	1																							100	1	100
Liberal Arts Education	Intelligence and Computer	2	Elective/required	2																							100	1	100
Liberal Arts Education	Ground zero programming	2	Elective/required	2																							100	1	100
Liberal Arts Education	Fundamental Date Science	2	Elective/required	2																							100	1	100
Liberal Arts Education	Health and Sports Courses	2	Elective/required	1 2																									100
Liberal Arts Education	Social Cooperation Courses	0	Free elective	1 2																	100	1							100
Liberal Arts Education	Calculus I	2	Required	1											100	1													100
Liberal Arts Education	Calculus II	2	Required	2											100	1													100
Liberal Arts Education	Linear Algebra	2	Required	1											100	1													100
Liberal Arts Education	Linear Algebra	2	Required	2											100	1													100
Liberal Arts Education	Experimental Methods and Laboratory Work in Physics	2	Required	3													50	1	50	1									100
Liberal Arts Education	Experimental Methods and Laboratory Work in Physics	2	Required	3													50	1	50	1									100
Specialized Education	Introduction to Mathematics	2	Elective/required	1							100	1																	100
Specialized Education	Introduction to Information Mathematics	2	Elective/required	2							100	1																	100
Specialized Education	Introduction to Chemistry A	2	Elective/required	1							100	1																	100
Specialized Education	Introduction to Chemistry B	2	Elective/required	2							100	1																	100

Subject Classification	Subject Name	Credits	Type of course registration	Grade	Evaluation items																								Total weighted values of evaluation items in the
					Knowledge and Understanding								Abilities and Skills								Comprehensive Abilities								
					(1)		(2)		(3)		(4)		(1)		(2)		(3)		(4)		(1)		(2)		(3)		(4)		
					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	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	Introduction to Biological Sciences A	2	Elective/ required	1							100	1																	100
Specialized Education	Introduction to Biological Sciences B	2	Elective/ required	2							100	1																	100
Specialized Education	Introduction to Earth and Planetary Sciences A	2	Elective/ required	1							100	1																	100
Specialized Education	Introduction to Earth and Planetary Sciences B	2	Elective/ required	2							100	1																	100
Specialized Education	English on Physics	2	Elective/ required	3			50	1	50	1																			100
Specialized Education	Mechanics A	2	Required	1	100	1																							100
Specialized Education	Mechanics B	2	Required	2	100	1																							100
Specialized Education	Exercises in Mechanics	2	Required	2									100	1															100
Specialized Education	Mathematics for Physics	2	Required	2											100	1													100
Specialized Education	Analytical Mechanics	2	Required	3	100	1																							100
Specialized Education	Thermodynamics Mechanics	2	Required	3	100	1																							100
Specialized Education	Electromagnetism	2	Required	3	100	1																							100
Specialized Education	Exercises in Electromagnetism	2	Required	3									100	1															100
Specialized Education	Mathematics for Physics	2	Required	3											100	1													100
Specialized Education	Electromagnetism	2	Required	4	100	1																							100
Specialized Education	Quantum Mechanics	3	Required	4	100	1																							100
Specialized Education	Mathematics for Physics	2	Required	4											100	1													100
Specialized Education	Quantum Mechanics	2	Required	5	100	1																							100
Specialized Education	Exercises in Quantum Mechanics	2	Required	5									100	1															100
Specialized Education	Statistical Mechanics	2	Required	5	100	1																							100
Specialized Education	Statistical Mechanics	2	Required	6	100	1																							100
Specialized Education	Exercises in Statistical Mechanics	2	Required	6									100	1															100
Specialized Education	Exercises of Physics	2	Free elective	1									100	1															100
Specialized Education	Mathematics for Physics	2	Free elective	1											100	1													100
Specialized Education	Introduction of Physics	2	Free elective	2	100	1																							100
Specialized Education	Exercise in Electromagnetism and Quantum Mechanics	2	Free elective	4									100	1															100
Specialized Education	Computational Physics	2	Free elective	4																							100	1			100
Specialized Education	Physics Internship	1	Free elective	3																			100	1					100
Specialized Education	Experimental Methods in Physics	2	Required	4													50	1	50	1									100
Specialized Education	Laboratory in Physics	3	Required	5													35	1	35	1	30	1							100

Subject Classification	Subject Name	Credits	Type of course registration	Grade	Evaluation items																								Total weighted values of evaluation items in the
					Knowledge and Understanding								Abilities and Skills								Comprehensive Abilities								
					(1)		(2)		(3)		(4)		(1)		(2)		(3)		(4)		(1)		(2)		(3)		(4)		
					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	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	Laboratory in Physics	3	Required	6													35	1	35	1	30	1							100
Specialized Education	Physics Seminar	3	Required	7																			50	1	50	1			100
Specialized Education	Special Study for Graduation	4	Required	7													25	1			25	1	25	1	25	1			100
Specialized Education	Special Study for Graduation	4	Required	8													25	1			25	1	25	1	25	1			100
Specialized Education	Advanced Mathematics	2	Elective/ required	5							100	1																	100
Specialized Education	Advanced Physics	2	Elective/ required	4			100	1																					100
Specialized Education	Advanced Chemistry	2	Elective/ required	6							100	1																	100
Specialized Education	Advanced Biology	2	Elective/ required	5							100	1																	100
Specialized Education	Advanced Earth and Planetary Science	2	Elective/ required	6							100	1																	100
Specialized Education	Structural and Physical Properties of Solid	2	Elective/ required	5			100	1																					100
Specialized Education	Theory of Relativity	2	Elective/ required	5			100	1																					100
Specialized Education	Applied Electromagnetic Mechanics	2	Elective/ required	5			100	1																					100
Specialized Education	Molecular Physics	2	Elective/ required	6			100	1																					100
Specialized Education	Quantum Mechanics	2	Elective/ required	6			100	1																					100
Specialized Education	Solid State Physics	2	Elective/ required	6			100	1																					100
Specialized Education	Nuclear and Particle Physics	2	Elective/ required	6			100	1																					100
Specialized Education	Astrophysics	2	Elective/ required	6			100	1																					100
Specialized Education	Mechanics of Continuous Media	2	Elective/ required	6			100	1																					100
Specialized Education	Relativistic Quantum Mechanics	2	Elective/ required	7			100	1																					100
Specialized Education	Solid State Physics	2	Elective/ required	7			100	1																					100

Curriculum Map of Physics