"Elementary Particle(High-Energy) Physics(Experimental)" guidelines of the standard curriculum

2021~

<integrated master-doctoral degree program>

CLASSICAL ELECTROMAGNETIC SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar) CLASSICAL ELECTROMAGNETIC THEORY I SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar) CLASSICAL ELECTROMAGNETIC THEORY II SPECIAL TOPICS IN ADVANCED Required(Major of the control of the c	ommon) e 1) ommon)
1 CLASSICAL ELECTROMAGNETIC THEORY I QUANTUM MECHANICS I SPECIAL TOPICS IN ADVANCED PHYSICS ((Seminar) CLASSICAL ELECTROMAGNETIC THEORY II 3 Required(Major of the control of the cont	ommon) e 1) ommon)
1 THEORY I 3 Required(Major control of the control	ommon) e 1) ommon)
SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar) CLASSICAL ELECTROMAGNETIC THEORY II 3 Required(Major of	e 1) ommon)
PHYSICS I(Seminar) 3 Major(Choos CLASSICAL ELECTROMAGNETIC THEORY II 3 Required(Major c	ommon)
THEORY II 3 Required(Major c	
QUANTUM MECHANICS II 3 Required(Major c	ommon)
2 WRITING PHYSICS PAPERS 3 Required(Major c	ommon)
SPECIAL TOPICS IN ADVANCED PHYSICS II(Seminar) 3 Major(Choos	e 1)
SPECIAL TOPICS IN DETECTOR THEORY 3 Major(Choos	e 1)
3 ELEMENTARY PARTICLES PHYSICS I 3 Required(Ma	jor)
ADVANCED COMPUTATIONAL 0 Major(Choos	e 1)
4 HIGH ENERGY PHYSICS DATA 0 Major(Choos	e 1)
EXPERIMENTAL PHYSICS 3 Required(Major c	ommon)
SPECIAL TOPICS IN ELEMENTARY 0 Major(Choos PARTICLE PHYSICS I	e 1)
SPECIAL TOPICS IN QUANTUM FIELD 0 Major(Choos	e 1)
RESEARCH IN HIGH ENERGY PHYSICS 0 Major(Choos	e 1)
Special Topics in High Energy physics 0 Major(Choos	e 1)
SPECIAL TOPICS IN ELEMENTARY 0 Major(Choos PARTICLE PHYSICS II	e 1)
Total Credits 48	

^{*}Students for the integrated program are required to complete 48 credits in total. *Insufficient credits can be freely taken according to your choice.

<master's degree>

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Semester	Course	Credit			
1	CLASSICAL MECHANICS	3	Required(Major common)		
	CLASSICAL ELECTROMAGNETIC THEORY I	3	Required(Major common)		
	QUANTUM MECHANICS I	3	Required(Major common)		
	WRITING PHYSICS PAPERS	3	Required(Major common)		
_	EXPERIMENTAL PHYSICS	3	Required(Major common)		
2					
3	ELEMENTARY PARTICLES PHYSICS I	3	Required(Major)		
	Special topics in detector theory	3	Major(Choose 1)		
4	ADVANCED COMPUTATIONAL PHYSICS	3	Major(Choose 1)		
	Total Credits	24			

^{*}Students for the master's degree are required to complete 24 credits in total.

<doctoral degree>

Semester	Course	Credit	
1	SPECIAL TOPICS IN ADVANCED	3	
	PHYSICS I(Seminar)		Major(Choose 1)
	SPECIAL TOPICS IN ELEMENTARY	3	Major(Choose 1)
	PARTICLE PHYSICS I		
	HIGH ENERGY PHYSICS DATA	3	Major(Choose 1)
	ANALYSIS	J	
	ELEMENTARY PARTICLES PHYSICS II	3	Major(Choose 1)
2	CLASSICAL ELECTROMAGNETIC	3	Required(Major common)
	THEORY II		
	QUANTUM MECHANICS II	3	Required(Major common)
	SPECIAL TOPICS IN ADVANCED	3	Major(Choose 1)
	PHYSICS II(Seminar)	3	Wajor(Crioose 1)
3	SPECIAL TOPICS IN QUANTUM FIELD THEORY	0	Major(Choose 1)
	SPECIAL TOPICS IN ELEMENTARY PARTICLE PHYSICS II	0	Major(Choose 1)
	Special Topics in High Energy physics	0	Major(Choose 1)
4	RESEARCH IN HIGH ENERGY PHYSICS	0	Major(Choose 1)
	RESEARCH IN ELEMENTARY PARTICLE PHYSICS	0	Major(Choose 1)
	Total Credits	30	

^{*}Students for the doctoral degree are required to complete 30 credits in total.

^{*}Insufficient credits can be freely taken according to your choice.