## "Statistical Physics" guidelines of the standard curriculum

2021~

<integrated master-doctoral degree program>

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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)
	Stochastic processes in physics i	3	Major
2	QUANTUM MECHANICS II	3	Required(Major common)
	WRITING PHYSICS PAPERS	3	Required(Major common)
	STATISTICAL PHYSICS I	3	Required(Major)
3	MATHEMATICAL PHYSICS	3	Required(Major common)
	STATISTICAL PHYSICS II	3	Major
	SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar)	3	Major
	Special Topics in Non-Equilibrium Statistical Physics I	0	Major
4	CLASSICAL ELECTROMAGNETIC THEORY II	3	Required(Major common)
	SPECIAL TOPICS IN ADVANCED PHYSICS II(Seminar)	3	Major
	STOCHASTIC PROCESSES IN PHYSICS II	0	Major
5	SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar)	0	Major
	SPECIAL TOPICS IN EQUILIBRIUM STSTISTICAL PHYSICS II	0	Major
6	SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar)	0	Major
	Special Topics in Non-Equilibrium Statistical Physics II	0	Major
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	Total Credits	48	
	Total Cicalis	10	

<sup>\*</sup>Students for the integrated program are required to complete 48 credits in total.

<master's degree>

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Course	Credit					
CLASSICAL MECHANICS	3	Required(Major common)				
CLASSICAL ELECTROMAGNETIC	3	Required(Major common)				
THEORY I						
QUANTUM MECHANICS I	3	Required(Major common)				
WRITING PHYSICS PAPERS	3	Required(Major common)				
STATISTICAL PHYSICS I	3	Required(Major)				
MATHEMATICAL PHYSICS	3	Required(Major common)				
STOCHASTIC PROCESSES IN PHYSICS I	3	Major				
SPECIAL TOPICS IN EQUILIBRIUM	2	Major				
STSTISTICAL PHYSICS I	3	Major				
Total Credits	24					
	Course  CLASSICAL MECHANICS  CLASSICAL ELECTROMAGNETIC THEORY I  QUANTUM MECHANICS I  WRITING PHYSICS PAPERS  STATISTICAL PHYSICS I  MATHEMATICAL PHYSICS  STOCHASTIC PROCESSES IN PHYSICS I  SPECIAL TOPICS IN EQUILIBRIUM STSTISTICAL PHYSICS I	Course Credit  CLASSICAL MECHANICS 3  CLASSICAL ELECTROMAGNETIC THEORY I 3  QUANTUM MECHANICS I 3  WRITING PHYSICS PAPERS 3  STATISTICAL PHYSICS I 3  MATHEMATICAL PHYSICS I 3  STOCHASTIC PROCESSES IN PHYSICS I 3  SPECIAL TOPICS IN EQUILIBRIUM STSTISTICAL PHYSICS I 3				

<sup>\*</sup>Students for the master's degree are required to complete 24 credits in total.

<doctoral degree>

Semester	Course	Credit	
1	STATISTICAL PHYSICS II	3	Major
	SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar)	3	Major
	Special Topics in Non-Equilibrium Statistical Physics I	3	Major
2	Quantum mechanics II	3	Required(Major common)
	SPECIAL TOPICS IN ADVANCED PHYSICS II(Seminar)	3	Major
	Stochastic processes in physics II	3	Major
3	SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar)	0	Major
	SPECIAL TOPICS IN EQUILIBRIUM STSTISTICAL PHYSICS II	0	Major
	BIOPHYSICS I or CONDENSED MATTER PHYSICS I or QUANTUM FIELD THEORY I	0	Major
4	CLASSICAL ELECTROMAGNETIC THEORY II	3	Required(Major common)
	SPECIAL TOPICS IN ADVANCED PHYSICS II(Seminar)	0	Major
	Special Topics in Non-Equilibrium Statistical Physics II	0	Major
	Total Credits	30	

<sup>\*</sup>Students for the doctoral degree are required to complete 30 credits in total. \*Insufficient credits can be freely taken according to your choice.

<sup>\*</sup>Insufficient credits can be freely taken according to your choice.