

"Statistical Physics" guidelines of the standard curriculum

2021~

<integrated master-doctoral degree program>

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 STATISTICAL PHYSICS II	0	Major
6	SPECIAL TOPICS IN ADVANCED PHYSICS I(Seminar)	0	Major
	Special Topics in Non-Equilibrium Statistical Physics II	0	Major
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>

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)
2	WRITING PHYSICS PAPERS	3	Required(Major common)
	STATISTICAL PHYSICS I	3	Required(Major)
3	MATHEMATICAL PHYSICS	3	Required(Major common)
	STOCHASTIC PROCESSES IN PHYSICS I	3	Major
4	SPECIAL TOPICS IN EQUILIBRIUM STATISTICAL PHYSICS I	3	Major
Total Credits		24	

*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 STATISTICAL 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	

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

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