

◆Department of Physics (Particle, Nuclear, and Astro-Physics)

No.	Course	Category	credit	Semester	note
16001	Quantum Information	B	2.0	Autumn	
16002	Field Theory I	B	2.0	Spring	
16003	Field Theory II	B	2.0	Autumn	
16005	High Energy Physics	B	2.0	Spring	
16007	Nuclear Physics	B	2.0	Spring	
16008	Hadron Physics	B	2.0	Spring	
16009	Astrophysics	B	2.0	Spring	
17025	Quantum Mechanics of Many-body Systems	B	2.0	Spring	
17019	Academic Writing in Physics	B	2.0	Spring	
16022	Academic Presentation in Physics	B	2.0	Autumn	
17045	Academic Writhing in Quantum Physics and Nanoscience	B	2.0	Spring	
16039	Academic Presentation in Quantum Physics and Nanoscience	B	2.0	Autumn	
16053 16062	Practical Exercises in International Researches VII – VIII	B	1.0	Spring Autumn	
16051 16064	Practical Exercises in Organizing International Conferences VII – VIII	B	1.0	Spring Autumn	
16054	Science in English (Fundamental Physics) VII	B	1.0	Autumn	
16771	Colloquium in Particle-, Nuclear- and Astro-physics	Required	2.0	Spring	
16701 ~ 16704	Seminars in Fundamental Physics I – IV	Required	1.0	Spring Autumn	
16801 ~ 16806	Seminars in Fundamental Physics V – X	Required	2.0	Spring Autumn	
16751 ~ 16754	Exercises in Fundamental Physics I – IV	B	2.0	Spring Autumn	
16761 ~ 16764	Laboratory Works in Fundamental Physics I – IV	B	2.0	Spring Autumn	
16651	Physics Fundamental Experiments I	B	1.0	Spring	
17026	Light and Matter I	B	1.0	Spring	

B:Basic

For a Master's degree a student must take 30 credits or more and meet other requirements as follows:

1. 30 credits or more in total from the Graduate school courses.
2. 4 credits from the Seminar Courses (講究科目).
3. 10 credits or more from the Graduate Research Courses (研究関連科目).
4. 9 credits or more must be from the Departmental Courses (専攻専門科目).
5. 2 credits or more from the Liberal Arts or General Education(G)(大学院教養・共通科目).
6. The student must complete a master thesis research, submit a thesis for the degree and take and pass the final examination given after the submission of her/his thesis for the qualification.

For a Doctoral degree a student must satisfy the requirements as follows:

1. Credits for “Seminars in Fundamental Physics V – X” corresponding to each semester.
2. The student must complete a thesis research, upload a doctoral thesis for the degree and take and pass the final examination given after uploading her/his thesis for the qualification.