

2013 Department of Physics Graduate Admissions Brochure (Master

—research interests and examination subjects)

De par tm ent co de	Departmen t	Degree category	Maj or co de	Major	Dir ec tio n co de	Research direction	Examination subjects	Remarks
072	College of science (Departm ent of Physics)	Academic mode	070 200	Physics	01	Theoretical physics	①101 Ideological and Political Theory②201 English 1 ③ 301 Mathematics 1 ④829 Electromagneti sm and Quantum mechanics	You can apply for interdisciplinary majors: Physics or other Physical majors, Mathematics, Computer, Biological, or Chemical Majors.
072	College of science (Departm ent of Physics)	Academic mode	070 200	Physics	02	Particle physics and nuclear physics		
072	College of science (Departm ent of Physics)	Academic mode	070 200	Physics	03	Atomic and molecular physics		
072	College of science (Departm ent of Physics)	Academic mode	070 200	Physics	04	Plasma physics		
072	College of science (Departm ent of Physics)	Academic mode	070 200	Physics	05	Condensed matter physics		
072	College of science (Departm ent of Physics)	Academic mode	070 200	Physics	06	Optics		

072	College of science (Department of Physics)	Academic mode	080300	Optical engineering	01	Do not distinguish research directions	①101 Ideological and Political Theory ②201 English 1 ③301 Mathematics 1 ④829 Electromagnetism and Quantum mechanics	You can apply for interdisciplinary majors: Physics, Semiconductors, Electronic Science and Technology, Instrument Science and Technology
-----	---	---------------	--------	---------------------	----	--	--	---

2013 Department of Physics Graduate Admissions Brochure (Master

—Specialized courses' Bibliography)

subjects code	829
subjects name	Electromagnetism and Quantum mechanics
Bibliography	《New concept physics: Electromagnetism》 (the second edition) Kaihua Zhao et al. Higher Education Press; 《Introduction to Quantum Mechanics》 (the second edition) Jinyan Zeng Peking University Press

2013 Department of Physics Graduate Admissions Brochure (Doctor

—Enrollment disciplines and examination subjects)

Department code	Department name	Major code	Major name	examination subjects
072	College of science (Department of Physics)	070200	Physics	①1101 English ② 2216 Quantum mechanics ③ choose one from below three subjects : 3339 Advanced Optics 、 3340 Solid state physics 、 3341 Electrodynamics
072	College of science (Department of Physics)	080300	Optical engineering	①1101 English ②2217 Physical optics ③ choose one from below two subjects:

				3342 Semiconductor Physics 、 3343 Engineering optics
--	--	--	--	--

2013 Department of Physics Graduate Admissions Brochure (contact information)

Admissions Contact	Ying Xue
Consulting telephone	86-21-54742662
Office	Room 613, Physics Building
E-mail	xueying@sjtu.edu.cn
Contact address	Dean's Office, Department of Physics, Shanghai Jiao Tong University, 800 Dongchuan Road, Minhang District, Shanghai
Postal code	200240