

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes
Combined Undergrad/Grad Level Courses						
	Physics 5400/5400H	E&M I	4	Physics 555	4	Semester course has all of 555 and some of 656
				Physics 656	4	
	Physics 5500/5500H	Quantum I	4	Physics 631	4	Semester course has all of 631 and some of 632
				Physics 632	4	
	Physics 5700	Advanced Laboratory	3	Physics 616	4	Same content
	Physics 5401H	E&M II	4	Physics 656	4	Semester course has some of 656 and all of 657
				Physics 657	4	
	Physics 5501H	Quantum II	4	Physics 632	4	Semester course has some of 632 and all of 633
				Physics 633	4	
	Physics 5600	Statistical Physics	4	Physics 621	4	Semester course has all of 621 and some of 622
				Physics 622	4	
	Physics 5300	Theoretical Mechanics	4	Physics 664	4	Enhanced content
Graduate Introductory						
	Physics 6802	Topics in Elementary	4	Physics 780.xx	4	Enhanced content
	Physics 6803	Topics in Astroparticle Physics	4	Physics 780.xx	4	Enhanced content
	Physics 6804	Topics in Atomic and	4	Physics 780.xx	4	Enhanced content
	Physics 6805	Topics in Nuclear Physics	4	Physics 780.xx	4	Enhanced content
	Physics 6806	Topics in Condensed	4	Physics 780.xx	4	Enhanced content
	Physics 6809	Topics in Biophysics	4	Physics 780.xx	4	Enhanced content
	Physics 6810	Topics in	4	Physics 780.xx	4	Enhanced content
	Physics 6820	Special Topics	4	Physics 780.xx	4	Enhanced content
Graduate Advanced						
	7401	Electromagnetic Field Theory	3.00	Physics 835	4	Semester course has all of 835 and some of 836
				Physics 836	4	
	7501	Quantum Mechanics 1	3.00	Physics 827	5	Semester course has all of 827 and some of 828
				Physics 828	5	
	7502	Quantum Mechanics 2	3.00	Physics 828	5	Semester course has some of 828 and some of 829
				Physics 829	5	
	7503	Quantum Mechanics 3	3.00	Physics 830	4	Enhanced content
	7601	Classical and Statistical Physics I	3.00	Physics 821	4	Semester course has all of 821 and some of 846
				Physics 846	4	
	7602	Classical and Statistical Physics II	3.00	Physics 846	4	Semester course has some of 846 and some of 847
				Physics 847	4	
	7603	Advanced Statistical Physics	3.00	Physics 848	4	Enhanced content
	7701	Analytic and Numeric methods of Physics	3.00	Physics 730		Enhanced content
	7891	Departmental Seminar or Workshop	Variable	Physics 816	Variable	Semester version
	7998	Graduate Research	Variable	Physics 816	Variable	Semester version
	8301	Elasticity and Fluid Mechanics	3.00	Physics 822	4	Content of 822
	8802.1	Topics in Elementary Particle Physics 1	3.00	Physics 880.02	3	Semester version
	8802.2	Topics in Elementary Particle Physics 2	3.00	Physics 880.02	3	Semester version
	8803.1	Topics in Astroparticle Physics 1	3.00	Physics 880.20	3	Semester version
	8803.2	Topics in Astroparticle Physics 2	3.00	Physics 880.20	3	Semester version
	8804.1	Topics in Atomic and Molecular Physics 1	3.00	Physics 880.20	3	Semester version
	8804.2	Topics in Atomic and Molecular Physics 2	3.00	Physics 880.20	3	Semester version
	8805.1	Topics in Nuclear Physics	3.00	Physics 880.05	3	Semester version
	8805.2	Topics in Nuclear Physics	3.00	Physics 880.05	3	Semester version
	8806.1	Topics in Condensed Matter Physics 1	3.00	Physics 880.06	3	Semester version
	8806.2	Topics in Condensed Matter Physics 2	3.00	Physics 880.06	3	Semester version
	8808.1	Topics in the theory of Quantized Fields 1	3.00	Physics 880.08	3	Semester version
	8808.2	Topics in the theory of Quantized Fields 2	3.00	Physics 880.08	3	Semester version
	8809.1	Topics in Biophysics	3.00	Physics 880.20	3	Semester version
	8809.2	Topics in Biophysics	3.00	Physics 880.20	3	Semester version
	8820	Special Topics	3.00	Physics 880.20	3	Semester version
	8999	Research in Physics	Variable	Physics 999	Variable	Semester version