

CalPoly-Department of Physics: COURSE OFFERINGS 2011-12**

ASTR-Astronomy		
Course#	Course Title	Qtr(s) Offered*
ASTR 101	Introduction to the Solar System	F, W, SP
ASTR 102	Introduction to the Stars and Galaxies	F, W, SP
ASTR 112	Introduction to the Stars and Galaxies (w/lab)	Not Offered
ASTR 200	Special Problems for Advanced Undergraduates	As needed
ASTR 301	The Solar System	W12, W14
ASTR 302	Stars and Galaxies	SP
ASTR 324	Time, Longitude and Navigation	W
ASTR 326	Relativity and Cosmology	W11, F11, F12, F13,
ASTR 400	Special Problems for Advanced Undergraduates	As needed
ASTR 444	Observational Astronomy	F11, F13
GEOL-Geology		
Course#	Course Title	Qtr(s) Offered*
GEOL 102	Physical Geology	F, W, SP
GEOL 200	Special Problems for Advanced Undergraduates	As needed
GEOL 201	Physical Geology	F, W, SP
GEOL 203	Fossils and the History of Life	SP
GEOL 204	Geologic History of California	Not offered
GEOL 205	Earthquakes	F, W, SP
GEOL 206	Geologic Excursions	W
GEOL 241	Physical Geology Laboratory	F, W
GEOL 305	Fundamentals of Seismology	W12, W14
GEOL 400	Special Problems for Advanced Undergraduates	As needed
GEOL 401	Field-Geology Methods	W
GEOL 402	Geologic Mapping	SP
GEOL 415	Structural Geology	F
PHYS-Physics (100-200 Level)		
Course#	Course Title	Qtr(s) Offered*
PHYS 104	Introductory Physics	F
PHYS 107	Introduction to Meteorology	W
PHYS 111	Contemporary Physics for Non-Scientists	Not offered
PHYS 121	College Physics I	SU, F, W, SP
PHYS 122	College Physics II	SU, F, W, SP
PHYS 123	College Physics III	F, W, SP
PHYS 131	General Physics/Calculus Based (ME/AERO only)	F, W, SP
PHYS 132	General Physics II/Calculus Based	SU, F, W, SP
PHYS 133	General Physics III/Calculus Based	SU, F, W, SP
PHYS 141	General Physics/Calculus Based	SU, F, W, SP
PHYS 200	Special Problems for Undergraduates	As needed
PHYS 201	Learning Center Tutors	F, W, SP
PHYS 202	Physics on the Computer	SP
PHYS 206	Instrumentation in Experimental Physics (w/ 256)	W
PHYS 211	Modern Physics I	F, W, SP
PHYS 212	Modern Physics II	SP
PHYS 256	Electrical Measurements Laboratory (w/ 206)	W

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PHYS-Physics (300-400 Level)		
Course#	Course Title	Qtr(s) Offered*
PHYS 301	Thermal Physics I	W
PHYS 302	Analytical Mechanics	F
PHYS 303	<i>Analytical Mechanics II</i>	W11, W13
PHYS 310	Physics of Energy	SP11, SP13
PHYS 313	Introduction to Atmospheric Physics	SP11, SP13
PHYS 315	Introduction to Lasers and Laser Applications	SP12, SP14
PHYS 317	Special Theory of Relativity	W12, W14
PHYS 322	Vibrations/Waves	F
PHYS 323	Optics	W11, W12, W13, W14
PHYS 340	Quantum Physics Lab I	F
PHYS 341	Quantum Physics Lab II	W
PHYS 342	Quantum Physics Lab III	SP11, SP12, SP13, SP14
PHYS 357	Advanced Instrumentation in Experimental Physics	SP11, SP13
PHYS 400	Special Problems for Advanced Undergraduates	As needed
PHYS 401	Thermal Physics II	SP12, SP14
PHYS 403	Nuclear and Particle Physics	W11, W13
PHYS 405	Quantum Mechanics I	SP
PHYS 406	Quantum Mechanics II	F11, F12, F13
PHYS 408	Electromagnetic Fields and Waves I	F
PHYS 409	Electromagnetic Fields and Waves II	W11, W12, W13, W14
PHYS 410	Physics of the Solid Earth	W11, W13
PHYS 412	Solid State Physics	F11, F12, F13
PHYS 413	Advanced Topics in Solid State Physics	SP11, SP13
PHYS 417	Nonlinear Dynamical Systems	SP12, SP14
PHYS 422	Polymer Electronics Laboratory	SP12, SP14
PHYS 423	Advanced Optics	SP11, SP13
PHYS 424	Theoretical Physics	SP12, SP14
PHYS 452	Solid State Physics Laboratory	W11, W13
PHYS 461/462	Senior Project	SU, F, W, SP
PHYS 463/464	Senior Project-Laboratory Research	SU, F, W, SP
PHYS 470	Selected Advanced Topics	Demand
PHYS 471	Selected Advanced Laboratory	Demand
PHYS 485	Cooperative Education - Part-time	SU, F, W, SP
PHYS 495	Cooperative Education - Full-time	SU, F, W, SP
PSC-Physical Science		
Course#	Course Title	Qtr(s) Offered*
PSC 101	The Physical Environment: Matter and Energy	F, W, SP
PSC 102	The Physical Environment: Atoms and Molecules	W
PSC 103	The Physical Environment: Earth and the Universe	SP
PSC 200	Special Problems for Advanced Undergraduates	As needed
PSC 307	Nuclear Weapons in the Post-Soviet World	F
PSC 320	Energy and the Environment for the New Millennium	W
PSC 400	Special Problems for Advanced Undergraduates	As needed
PSC 424	Organizing / Teaching PSC	F
PSC 461	Senior Project	SU, F, W, SP

*Note: SU=Summer, F=Fall, W=Winter, SP=Spring

BOLD COURSES required for Physics BS

Italic courses are source of Adv. Physics Electives

** OFFERINGS ARE SUBJECT TO CHANGE. Courses with low enrollment may be cancelled.