

DEPARTMENT OF PHYSICS COURSE OFFERINGS
2009-10

ASTR-Astronomy

Course#	Course Title	Qtr(s) Offered	Year
ASTR 101	Introduction to the Solar System	F, W, SP	Every
ASTR 102	Introduction to the Stars and Galaxies	F, W, SP	Every
ASTR 112	Introduction to the Stars and Galaxies	Based On Demand	Based On Demand
ASTR 301	The Solar System	Based On Demand	Based On Demand
ASTR 302	Stars and Galaxies	Based On Demand	Based On Demand
ASTR 324	Time, Longitude and Navigation	Based On Demand	Based On Demand
ASTR 326	Relativity and Cosmology	Based On Demand	Based On Demand
ASTR 444	Observational Astronomy	F	Odd

GEOG-Geology

Course#	Course Title	Qtr(s) Offered	Year
GEOG 102	Physical Geology	F, W, SP	Every
GEOG 201	Physical Geology	F, W, SP	Every
GEOG 203	Fossils and the History of Life	SP	Every
GEOG 204	Geologic History of California	F	Every
GEOG 205	Earthquakes	F, W, SP	Every
GEOG 206	Geologic Excursions	F, W, SP	Every
GEOG 241	Physical Geology Laboratory	F, W, SP	Every
GEOG 305	Fundamentals of Seismology	F	Every
GEOG 400	Special Problems for Advanced Undergraduates	Based on Demand	Every
GEOG 401	Field-Geology Methods	W	Every
GEOG 402	Geologic Mapping	SP	Every
GEOG 415	Structural Geology	F	Every

PHYS-Physics (100-300 Level)

Course#	Course Title	Qtr(s) Offered	Year
PHYS 104	Introductory Physics	F, W, SP	Every
PHYS 107	Introduction to Meteorology	W	Every
PHYS 111	Contemporary Physics for Non-Scientists	Occasionally	Occasionally
PHYS 121/122/123	College Physics	Every	Every
PHYS 141/132/133	General Physics/Calculus Based	Every	Every
PHYS 131	General Physics/Calculus Based (MF/AFRO only)	Every	Every
PHYS 200	Special Problems for Undergraduates	Based on Demand	Based on Demand
PHYS 201	Learning Center Tutors	F, W, SP	Every
PHYS 202	Physics on the Computer	SP	Every
PHYS 206	Instrumentation in Experimental Physics	W	Every
PHYS 211	Modern Physics I	F, W, SP	Every
PHYS 212	Modern Physics II	SP	Every
PHYS 256	Electrical Measurements Laboratory	W	Every
PHYS 301	Thermal Physics I	W	Every
PHYS 302	Analytical Mechanics	F	Every
PHYS 303	Analytical Mechanics II	W	Every
PHYS 310	Physics of Energy	W OR SP	Odd
PHYS 313	Introduction to Atmospheric Physics	SP	Even
PHYS 315	Introduction to Lasers and Laser Applications	SP	Even
PHYS 317	Special Theory of Relativity	W	Even
PHYS 322	Vibrations/Waves	F	Every
PHYS 323	Optics	F	Every
PHYS 340	Quantum Physics Lab I	F	Every
PHYS 341	Quantum Physics Lab II	W	Every
PHYS 342	Quantum Physics Lab III	SP	Every
PHYS 357	Advanced Instrumentation in Experimental Physics	SP	Every Other Year

PHYS-Physics (400 Level)

Course#	Course Title	Qtr(s) Offered	Year
PHYS 400	Special Problems for Advanced Undergraduates	Based on Demand	Based on Demand
PHYS 401	Thermal Physics II	SP	Aprx. Every Other
PHYS 403	Nuclear and Particle Physics	W	Aprx. Every Other
PHYS 405	Quantum Mechanics I	SP	Every
PHYS 406	Quantum Mechanics II	F	Every*
PHYS 408	Electromagnetic Fields and Waves I	F	Every
PHYS 409	Electromagnetic Fields and Waves II	W	Every
PHYS 410	Physics of the Solid Earth	W OR SP	Odd
PHYS 412	Solid State Physics	F	Every
PHYS 413	Advanced Topics in Solid State Physics	SP	Aprx. Every Other
PHYS 417	Nonlinear Dynamical Systems	SP	Even
PHYS 423	Advanced Optics	W	Aprx. Every Other
PHYS 424	Theoretical Physics	SP	Aprx. Every Other
PHYS 452	Solid State Physics I Laboratory	W	Aprx. Every Other
PHYS 461/462	Senior Project	Every	Every
PHYS 463/464	Senior Project-Laboratory Research	Every	Every
PHYS 470	Selected Advanced Topics	Based on Demand	Based on Demand
PHYS 471	Selected Advanced Laboratory	Based on Demand	Based on Demand
PHYS 485	Cooperative Education - Part-time	Every	Every
PHYS 495	Cooperative Education - Full-time	Every	Every

PSC-Physical Science

Course#	Course Title	Qtr(s) Offered	Year
PSC 101	The Physical Environment: Matter and Energy	F, W, SP	Every
PSC 102	The Physical Environment: Atoms and Molecules	W	Every
PSC 103	The Physical Environment: Earth and the Universe	F, SP	Every
PSC 110	Energy for the Present and the Future	Based on Demand	Based on Demand
PSC 201	Introduction to Physical Oceanography	W, SP	Every
PSC 304	Applications of Physical Science	SP	Every
PSC 305	Patterns of Change	W	Every
PSC 307	Nuclear Weapons in the Post-Soviet World	Based on Demand	Based on Demand
PSC 320	Energy and the Environment for the New Millennium	Based on Demand	Based on Demand
PSC 461	Senior Project	Every	Every

* As Needed

Note: F=Fall, W=Winter, SP=Spring, S=Summer

BOLD COURSES required for Physics BS

Italic courses are source of Adv. Physics Electives

OFFERINGS ARE SUBJECT TO CHANGE