PHYSICS • PHYS

General education courses are marked with stars (★).

★ 1001 Physical Science (3) Prereq.: MATH 1021. Credit will not be given for both this course and any other college-level physics course. First half of a two-semester survey course in the physical sciences; topics in the first semester are taken primarily from the field of physics.

★ 1001 General Physics for Teachers (3) Prereq.: PHYS 1001. Credit will not be given for both this course and any other college-level science course. Second half of a two-semester survey course in the physical sciences; topics in the second semester are taken primarily from the fields of astronomy, chemistry, and geology.

1021 Physical Science with Laboratory (3) F:S Prereq.: MATH 1021 or 1029. Credit will not be given for this course and PHYS 1001. 2 hrs. lecture; 2 hrs. lab. Exposition of physical science concepts through laboratory investigations; topics such as nature of matter, forces and motion, electricity and magnetism, and sound.

1022 Physical Science with Laboratory (3) F:S Prereq.: MATH 1021 or 1029. Credit will not be given for this course and PHYS 1001. 2 hrs. lecture; 2 hrs. lab. Exposition of physical science concepts through laboratory investigations; topics such as changes in matter, light and color, energy, and observational astronomy.

PHYSICS • PHYS

Prerequisites • All prerequisites in physics courses should be rigidly observed.

Corequisites • A student may not continue in a course after dropping a corequisite prior to the last day of the midsemester examination period.

Of the 7000-level courses, those numbered in the 7200s, as well as PHY 7353 and 7373, are offered every year. 7353 and 7373 every other year. All other courses are offered sporadically as interest demands and in order to provide a varied curriculum.

General education courses are marked with stars (★).

1100 Introduction to Physics (3) Prereq.: credit or registration in MATH 1550. Measurement, vectors, kinematics, Newton's laws of motion, wave motion, temperature, the electric field, DC circuits, and geometrical optics.

★ 1201, ★ 1202 General Physics for Physics Majors (4,4) F:S Prereq. for 1201: Grade of C or better in PHYS 1100 or placement by examination; credit or registration in MATH 1350. Prereq. for 1202: PHYS 1201 and credit or registration in MATH 135L. 4 hrs. lecture/demonstration. Primarily for students intending to major in physics. Credit will not be given for these courses and PHYS 2001, 2002, or 2011, 2102. Fundamentals of classical physics and some concepts of modern physics; calculus and vector analysis introduced and used in development of subject matter.

1208, 1209 General Physics Laboratory for Physics Majors (2,2) Credit or registration in PHYS 1201. Laboratory for students in PHYS 1208 or 1209. 2 hrs. lab. Credit will not be given for these courses and PHYS 2108, 2109. Laboratory to accompany PHYS 1208, 1209.


★ 2101 General Physics for Technical Students (3) Prereq.: Grade of C or better in PHYS 1100 or placement by examination; credit or registration in MATH 1552. Credit will not be given for both this course and PHYS 2101, 2001. Mechanics, wave motion, thermodynamics, and kinetic theory.

★ 2102 General Physics for Technical Students (3) Prereq.: Grade of C or better in PHYS 1100 or placement by examination; credit or registration in MATH 1552. Credit will not be given for both this course and PHYS 2102, 2002. Electricity, magnetism, physical optics, and topics from modern physics.

2108 General Physics Laboratory (1) Prereq.: credit or registration in PHYS 2101. Laboratory to accompany PHYS 2108 or 2109. 1 hr. lab. Credit will not be given for both this course and PHYS 2108. Laboratory to accompany PHYS 2109. 1 hr. lab. Credit will not be given for both this course and PHYS 2109.

2109 General Physics Laboratory (1) Prereq.: PHYS 2108 and credit or registration in PHYS 2002 or 2102. 3 hrs. lab. Credit will not be given for both this course and PHYS 2109. Laboratory to accompany PHYS 2002 and 2102: electricity, magnetism, geometrical and physical optics, and other topics in modern physics.

2111 Elementary Mathematical Physics (3) F:S Prereq.: PHYS 1200 or 2102; and credit in MATH 1552. Mathematic-