

**Information for first-year students interested in
PHYSICS**

- Students interested in the possibility of *majoring* in physics should begin with
 - Fall** **PHYS 140, Classical Physics** (0.5 unit) &
 PHYS 110, First-Year Seminar in Physics (0.25 unit)
 - Spring** **PHYS 145, Modern Physics** (0.5 unit) &
 PHYS 146, Intro to Experimental Physics II (0.25 unit)

- Students with *AP credit* on the Physics C exam may be eligible for enrollment in **PHYS 240, Fields and Spacetime** (0.5 unit) & **PHYS 241, Fields and Spacetime Laboratory** (0.25 unit) in the **Fall** semester, depending on their previous laboratory experience. Such students should discuss course placement with the chair of the physics department. PHYS 240, 241 replace PHYS 140,110 in the Fall semester.

- First-year students interested in studying physics but not considering majoring in the subject can select from the courses above as well as from these courses:
 - PHYS 106** **Astronomy: Planets and Moons** (0.5 unit) **Fall** semester
 - PHYS 108** **Physical Geology** (0.5 unit) **Fall** semester
 - IPHS 292** **Galileo to Einstein** (0.5 unit) **Spring** semester
 - PHYS 219** **Complex Systems in Scientific Computing** (0.5 unit) **Spring**(Some of these courses require pre-requisites which a student might fulfill during the first semester.)

Please note that PHYS 130 and PHYS 135 are NOT open to first-year students.

The pace of these courses is accelerated to serve the needs of some upperclass students for a comprehensive survey of physics in two semesters.

Information on physics courses for entering students

The Department of Physics at Kenyon College supports active, hands-on learning about the physical world. We give first-year students opportunities to study topics in modern physics including relativity, quantum mechanics, nuclear and particle physics, and condensed matter physics – topics that continue to drive research and discovery in physics, astronomy, high-tech industry, and advanced instrumentation development throughout the sciences. The department's lab program gives first-year students experience with an extraordinary range of techniques and equipment, including spectroscopy at visible, X-ray, and gamma ray wavelengths as well as atomic force microscopy and atomic-scale imaging. Our first-year seminar (open to those taking Physics 140 or 240) this year adds the physics of elementary particles to our list of offerings (Physics 110).

For those interested in other popular topics in physics, we also offer introductory-level courses aimed at the non-specialist, this year including a course surveying the astronomy of planets and moons in our Solar System (Physics 106) and a course in physical geology (Physics 108) .

For potential physics majors:

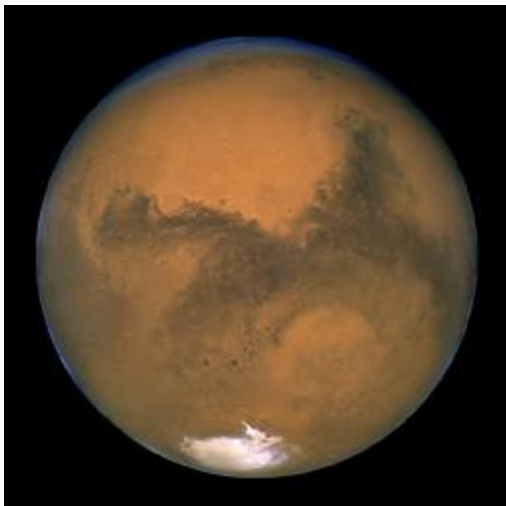
Fall `05: Physics 140 and 110 (seminar) – Classical Physics and 1st Year Seminar
(or Phys 240 & 241 (lab) – *Fields and Spacetime*, w/permission of dept)

Spring `06: Physics 145 and 146 (lab) – Modern Physics

For everyone interested in physics:

Fall `05: Physics 106 – Astronomy: Planets and Moons
Physics 108 – Physical Geology

Spring `06: Physics 219 – Complex Systems in Scientific Computing
Physics 292 – Galileo to Einstein



http://antwrp.gsfc.nasa.gov/apod/image/0308/bigmars_hst_big.jpg
<http://doc.cern.ch/archive/electronic/cern/others/PHO/photo-ex/11465.jpeg>

