Physical Science (PHSC)

Courses

PHSC 1121 Sci Lab: 1 semester hour.
Physical science laboratory course designed to enhance knowledge of basic principles of physical science and physical processes in our environment. Selected topics on physics, chemistry, astronomy, meteorology and geology will be emphasized with attention directed to current applications and discoveries.

PHSC 1123 Physical Science I: 3 semester hours.
Emphasizes insight into basic physical science principles and practices. Topics include physics, chemistry, and earth science aspect dealing with the atmosphere, hydrosphere, and lithosphere.

PHSC 2123 Physical Science II: 3 semester hours.
An interdisciplinary examination of the physical and biological sciences. The course helps students understand how quantitative tools are used in modern scientific discovery. The course includes basic concepts of mechanics, chemistry, and astronomy.
Prerequisites: PHSC 1123 (http://catalog.pvamu.edu/search/?P=PHSC%201123).

PHSC 3083 Science of Everyday: 3 semester hours.
A description of daily phenomena, demonstrating how science provides a basis for comprehending them and discusses relationships between various apparently unrelated phenomena.

PHSC 3183 MOD PHYS SCI Teacher: 3 semester hours.
Emphasizes insight into Modern Physics with an introduction to the physics of the 20th century with developments of the 21st century included.

PHSC 3223 Introduction to Atmospheric Science: 3 semester hours.
Structure of the atmosphere. Physical and chemical phenomena leading to atmospheric changes. Weather patterns and climate control. On-line Weather Studies course is included.

PHSC 4011 Earth Science Lab: 1 semester hour.
Laboratory to support PHSC 4013 (http://catalog.pvamu.edu/search/?P=PHSC%204013). Exercises include: classification of minerals and rock types; water testing and analysis; field work. Also covered will be online weather studies, analysis and interpretation of real-time meteorological data.

PHSC 4013 Earth Science: 3 semester hours.
Designed for science teachers in junior and senior high schools. It covers basic concepts of earth science and methods of teaching. The content covers a study of geology, meteorology, hydrology, petrology, and mineralogy. A study analysis and evaluation of some of the recent systems and techniques in the teaching of earth science. Elements from Online Weather Studies course are included.
Prerequisites: PHSC 1123 (http://catalog.pvamu.edu/search/?P=PHSC%201123).
Co-requisite: PHSC 4011 (http://catalog.pvamu.edu/search/?P=PHSC%204011).

PHSC 4024 Astronomy and Geology: 4 semester hours.
An introduction to earth science concepts with a more advanced approach involving research materials, including astronomy, geology, paleontology, and field experiences as content materials.

PHSC 4993 Independent Study: 1-3 semester hour.
Readings, research, and/or field work on selected topics.