

PHYSICAL SCIENCE (PHSC)

Courses

PHSC 101 PHYSICAL SCIENCE I (4)

Fundamental principles of selected topics from physics and chemistry, emphasizing construction of concepts from experimental evidence. May not be used for the Natural Science major. Prerequisites: Education major or department consent. Core: Biological & Physical Sciences. Lab/Class fee will be assessed.

PHSC 206 EARTH-SPACE SCIENCE FOR MIDDLE SCHOOL TEACHERS (3)

Earth-Space Science for middle school education majors, emphasizing development of principles from experiments and discussion. Topics include plate tectonics, the rock cycle, celestial motion, and stellar evolution. Lab/Class fee will be assessed.

PHSC 303 EARTH SPACE SCIENCE (3)

Physical science principles applied in the study of earth and space. Emphasis on experimental and discovery approaches. Prerequisite: PHSC 101. Lab/Class fee will be assessed.

PHSC 312 HISTORY OF SCIENCE (3)

A general overview of the development of scientific knowledge from ancient to modern times. How our modern scientific worldview has been shaped by major periods of scientific development, particularly in the 16th and 17th centuries involving primarily astronomy and physics, and in the 19th and 20th, including geology, biology, and psychology. Attention will be given to the relations between science and culture, religion, technology, and public policy. Requires grade of C or better to fulfill Core Requirement. Prerequisites: ENGL 102 or ENGL 190 or equivalent ; successful completion of University Core Categories 2, 3, 7, and 8. Core: Advanced Writing Seminar.