



**KENTUCKY STATE
UNIVERSITY**

PHYSICAL SCIENCES (PHS)

PHS 201: Physical Sciences I

An inquiry-based course based on federal and state standards covering the basic principles of motion, optics, sound and vibration, motion in the heavens, and important environmental topics.

Prerequisite: Either completion of or testing out of remedial courses

Credit Hours: 3

Contact Hours: 3

PHS 202: Physical Sci II

An inquiry-based course based on federal and state education standards covering the basic principles of electricity, electrical circuits, magnetism, heat and energy, Earth internal processes, the surface of the Earth, and important environmental topics..

Prerequisite: Either completion of or testing out of remedial courses

Credit Hours: 3

Contact Hours: 3

PHS 211: Earth & Environmental Science

An inquiry-based course covering topics in Earth and Environmental Sciences. Topics include internal and surface processes, the oceans, the atmosphere, and human interaction with the environment.

Prerequisite: Either completion of or testing out of remedial courses

Credit Hours: 3

Contact Hours: 3

PHS 221: Intro to Weather Studies

This course discusses the causes of weather, the interactions between the atmosphere and the sun and the oceans. It also discusses weather instruments. Satellite and radar weather maps will be analyzed. Also discussed will be climate and climate change. This is a lecture/laboratory class.

Prerequisite: either completion of or testing out of remedial courses

Credit Hours: 3

Contact Hours: 3

PHS 231: Introduction to Astronomy

This course is an inquiry-based introduction to astronomy including an understanding of the physical laws governing the Universe. Topics include optical instruments, laws governing astronomy, a detailed assessment of the solar system including current understanding of the formation and evolution of the solar system.

Prerequisite: either completion of or testing out of remedial courses

Credit Hours: 3

Contact Hours: 3