

PHYSICAL SCIENCE (PHY)

PHY 104 Physical Science (3 Credits)

This course is designed to introduce the non-science student to the nature of physical reality and the physical laws, which govern the universe. Contemporary applications in physics, chemistry, geology, and astronomy will be discussed as well as new frontiers in scientific thought. A laboratory will introduce students to the use of the scientific method by combining experiments, observations, measurements and analysis. Offered as needed.

This course may satisfy the general education core: Sustainability Dialogues.

Department: Science, Mathematics Technol

Pre-Requisites: MAT 114.

Co-Requisites: PHY 104L

Restrictions: Enrollment is limited to Undergraduate level students.

Fees: None

PHY 104L Physical Science Lab (0 Credit)

Department: Science, Mathematics Technol

Pre-Requisites: None

Co-Requisites: None

Restrictions: Enrollment is limited to Undergraduate level students.

Fees: None

PHY 200 Principles of Physics I (4 Credits)

This course is an introduction to the underlying principles of physics that govern behavior in the physical world. The topics of mechanics, heat, and waves will be covered. Emphasis will be placed on applications and problem solving. Offered as needed.

This course may satisfy the general education core: Sustainability Dialogues.

Essential Learning Outcomes for Medaille College: Critical Thinking, Quantitative, Scientific Reasoning and Technological Reasoning

Department: Science, Mathematics Technol

Pre-Requisites: MAT 115.

Co-Requisites: PHY 200L

Restrictions: Enrollment is limited to Undergraduate level students.

Fees: None

PHY 200L Principles of Physics Lab I (0 Credit)

Department: Science, Mathematics Technol

Pre-Requisites: None

Co-Requisites: PHY 200

Restrictions: Enrollment is limited to Undergraduate level students.

Fees: None

PHY 201 Principles of Physics II (4 Credits)

This course is a continuation of Principles of Physics I. The topics of electricity, magnetism, light, optics, and modern physics will be covered. Emphasis will be placed on applications and problem solving. Offered as needed.

Department: Science, Mathematics Technol

Pre-Requisites: PHY 200.

Co-Requisites: PHY 201L

Restrictions: Enrollment is limited to Undergraduate level students.

Fees: None

PHY 201L Principals of Physics II Lab (0 Credit)

Department: Science, Mathematics Technol

Pre-Requisites: None

Co-Requisites: None

Restrictions: Enrollment is limited to Undergraduate level students.

Fees: None