

# PHYSICS (PHS)

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**PHS 112 Introductory Physics for Health Sciences 4 credits**

This course deals with mechanics, thermodynamics, and wave motion. Concepts are developed mathematically and applied to practical situations with special emphasis on biologically relevant examples. The course includes a lab component.

**PHS 221 General Physics I 0-4 credits**

This calculus-based course deals with the areas of mechanics, thermodynamics, and wave motion. Physics' concepts related to these topics are presented, applied to practical situations, and measured and analyzed in the laboratory setting. Students use a variety of laboratory equipment to procure and analyze data, and use selected software to demonstrate concepts and model practical situations.

**PHS 222 General Physics II 4 credits**

This course deals with the areas of light, optics, electricity, magnetism, and modern physics. Concepts related to these topics are presented, applied to practical situations, and measured and analyzed in the laboratory setting. Students use a variety of laboratory equipment to procure and analyze data, and use selected software to demonstrate concepts and model practical situations. (Prerequisite: PHS 221)

**PHS 488 Physics Independent Study 1-4 credits**