Nebraska Wesleyan University

PHYS 2400 Introduction to Modern Physics

Catalog

2017-2018

Course Description

An introduction to modern physics with emphasis on atomic and nuclear physics. Both analytical and experimental techniques will be used. Basic principles of physics and wave mechanics will be applied to atomic and nuclear models. The practical aspects of atomic and nuclear models. The practical aspects of atomic and nuclear radiation detection and safety will also be covered.
Three lectures per week.
One laboratory per week.
Prerequisite(s): PHYS 1700 Principles of Physics II or PHYS 2100 General Physics II, and MATH 1610 Calculus II or permission of the instructor.
(Normally offered each spring semester.)

Course Hours

4 hours

Departments

1. Physics, Astronomy, and Computer Science