Nebraska Wesleyan University

PHYS 162 Introduction to Modern Physics

Catalog

2013-2014

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 or two laboratories per week.

Prerequisite(s): PHYS 102 Principles of Physics II or PHYS 112 General Physics II, and MATH 106 Calculus II or permission of the instructor.

(Normally offered each spring semester.)

Course Hours

4-5 hours

Departments

1. Physics, Astronomy, and Computer Science