

Nebraska Wesleyan University

Catalog 2011-2012

PHYS 162 Introduction to Modern Physics

4-5 hours

Majors, Minors & Degrees:

Majors

Natural Science Education (B.A., B.S.)

Physics (B.A.)

Physics (B.S.)

Departments/Programs:

Physics

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 or PHYS-112, and MATH-106 or permission of the instructor.

(Normally offered each spring semester.)