Nebraska Wesleyan University

PHYS 140 Introduction to Health Physics

Catalog

2013-2014

Course Description

An introduction to health physics with emphasis on the practical aspects of radiation detection, protection, and regulation. Basic interaction of radiation with matter, biological effects of radiation, radiation dosimetry, and radiation protection regulations will be covered. Laboratory experience includes radiation spectroscopy, radiation dosimetry, environmental radiation monitoring, and radiation protection program design.

Three lectures per week.

One laboratory per week.

Prerequisite(s): PHYS 101 Principles of Physics I or PHYS 111 General Physics I or permission of the instructor.

Course Hours

4 hours

Departments

1. Physics, Astronomy, and Computer Science