

**Nebraska Wesleyan University**

Catalog 2011-2012

## **PHYS 140 Introduction to Health Physics**

4 hours

Departments/Programs:

Physics

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 or PHYS-111 or permission of the instructor.*