

(BS=2.0,ET=1.0,MA=0.0)

**Scope:**

2004-1

**Offerings:**

2014-1 2015-1

This course introduces special relativity and the fundamental concepts of quantum physics with application to atomic physics and nuclear physics in order to prepare cadets for advanced study of science and engineering, especially quantum mechanics, statistical physics, nuclear physics, solid state physics, laser physics, medical radiation physics, and nuclear engineering. This course will also be of interest to any cadet who wishes to gain a deeper appreciation of the natural world or of the technology of the 21st Century.

**Lessons:** 40 @ 55 min (2.500 Att/wk)**Labs:** 0 @ 0 min**Special Requirements:**

None

**Prerequisite(s):**

PH204  
-Or- PH254  
-Or- PH202  
-Or- PH252