WILMINGTON UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
BASIC COURSE INFORMATION

COURSE TITLE: Physics (with Lab)
COURSE NUMBER: SCI 312

1. COURSE OBJECTIVES:

Upon successful completion of this course the student will be able to:

IDEA-2 1. Learn fundamental principles, generalizations, or theories
IDEA-1 2. Gain factual knowledge (terminology, classifications, methods, trends.)
IDEA-3 3. Learn to apply course material (to improve thinking, problem solving, and decisions)

The student will demonstrate a basic understanding of the following:

1. Laboratory Safety and the Scientific Method
2. Motion and Newton’s laws
3. Work and energy
4. Fluids
5. Thermodynamics
6. Electricity and magnetism
7. Wave motion
8. Optics
9. The atom and nuclear processes
10. Relativity