Physics 101 Reading Assignments

PHY 101: Concepts in Physics
Conceptual foundations of physics emphasizing key experiments.

- **MECHANICS**

1. 8/31
   Course Pack Week 1
   Bloomfield, Sec 1.1 and 1.2

2. 9/7
Newton’s laws of motion. Calculus.
   Course Pack Week 2
   Bloomfield, Sec 3.1, 3.2, 3.3

3. 9/14
The solar system
   Course Pack Week 3

4. 9/21
Energy
   Course Pack Week 4
   Bloomfield, Sec 1.3

- **GASES AND LIQUIDS**

5. 9/28
Density and pressure; buoyancy
   Course Pack Week 5 (to 5.6)
   Bloomfield, Sec. 4.1, 4.2

- **ELECTRICITY AND MAGNETISM**

6. 10/5
Electric charges and the electric force
   Course Pack Week 6
   Bloomfield, Sec 8.1 and 8.2

7. 10/12
Electric current
   Course Pack Week 7
   Bloomfield, Sec. 9.1

8. 10/19
Magnetism
   Course Pack Week 8
   Bloomfield, Sec. 8.3

9. 10/26
Electromagnetism
   Course Pack Week 9
   Bloomfield, Sec 9.2

10. 11/2
Electric Power
    Course Pack Week 10

- **LIGHT**

11. 11/9
Properties of Light
    Course Pack Week 11
    Bloomfield, Sec 12.1, 12.2

- **MODERN PHYSICS**

12. 11/16
Quantum theory
    Bloomfield, Sec 12.3

13. 11/23
Nuclear Physics
    Course Pack Week 14
    Bloomfield, Sec 14.1, 14.2, 14.3

14. 11/30
Elementary particle physics

15. 12/7