

Course Title	Course Code	Credit Hours
Applied Physics	PHY-110	1-1

Text Book:

- Swoko Fundamentals of Physics. Halliday, Resnick and Walker, Fundamentals of Physics, John Wiley & Sons

Reference Books:

- Houg D. Young and Roger A. Freedman, University Physics, Addison-Wesley
- RaymondA. Serway, John W. Jewett,Jr. Physics for Scientists and Engineers with Modern Physics.
- Halliday, Rsenick, Principles of Physics, International Student Version
- Paul A. Tipler, GeneMosca, Physics for Scientists and Engineers with Modern Physics

Course Objectives:

This course aims to make students familiar with:

- Principles and fundamental concepts of engineering materials
- Application of these concepts on engineering problems

Course Outline:

- Kinetic energy and work
- Virtual work
- Coulomb's Law
- Electric and Magnetic Fields

- **Gauss's Law**

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester ASSESSMENTS Exam	40-50%