

# Course Outlines

## Course Details:

Course Code : PHY-117                      Credit hours: 3.0  
Course Title : Physics  
Program : CSE / CSIT  
Semester : Fall 2016  
Course Teacher : Nushrat Jahan Bubly  
Lecturer, Dept. of CSE

## Course Assessment:

The assessment components for evaluation of students are as follows:

Item/Activity	Marks (%)
Work Sheet (including class attendance and class tests)	25%
Assignment/ Presentation	10%
Mid-Term Test	25%
Final Examination	40%
<b>Total</b>	<b>100%</b>

## Course Contents:

Lectures	Contents (Each lecture will be 1.5 hours duration)
Lecture-1	Introduction (Chapter 1)
Lecture-2	Physics defined and relationships to other fields
Lecture -3	Acceleration
Lecture -4	Speed, Velocity and Displacement
Lecture -5	Kinematics in One Dimension
	<b>Assignment/Presentation</b>
Lecture -6	Orders of Magnitude
Lecture -7	Speed, Velocity and Displacement
Lecture -8	Frames of Reference
Lecture -9	Models and Theories
	<b>Class Test</b>
Lecture -10	Free Falling Motion
Lecture -11	Kinematics in Two Dimensions
Lecture -12	Adding vectors using graphical techniques
	<b>Class Test</b>

	<b>Mid-Term</b>
Lecture -13	Physics defined and relationships to other fields
Lecture -14	Models and Theories
Lecture -15	Kinematics in One Dimension
Lecture -16	Speed, Velocity and Displacement
	<b>Assignment/Presentation</b>
Lecture -17	Using analytical methods for adding vectors
Lecture -18	Using analytical methods for adding vectors
	<b>Class Test</b>
Lecture -19	Projectile motion
Lecture -20	Projectile motion
Lecture -21	Elasticity
Lecture -22	Elasticity
Lecture -23	Gravitational Acceleration
	<b>Class Test</b>
Lecture -24	Overview
	<b>Final Examination</b>
<b>Textbooks:</b>	<i>Richard Feynman: The Feynman lectures on Physics (3 vols)</i>