

Date	Lecture	Lab
08/22/2017	Introduction and Vector	
08/24/2017	Motion in Straight Line and Problem Solving	Density
08/29/2017	Motion in Straight Line	
08/31/2017	Motion in 2D and Problem Solving	Velocity and Acceleration & Lab Report 1
09/05/2017	New Laws of Motion	
09/07/2017	Newton Laws and Motion Applications	Addition of Force & Lab Report 2
09/12/2017	<b>Class Test I &amp; Work and Kinetic Energy</b>	
09/14/2017	Work and Kinetic Energy (WKE)	Newton 2 <sup>nd</sup> Law & Lab Report 3
09/19/2017	Potential Energy and Energy Conservation	
09/21/2017	Momentum, Impulse and Collision	Potential and Kinetic Energy & Lab Report 4
09/26/2017	Momentum, Impulse and Collision	
09/28/2017	<b>Class Test II &amp; RRB</b>	Linear Momentum & Lab Report 5
10/03/2017	Rotation of Rigid Bodies (RRB)	
10/05/2017	RRB and Dynamic of Rotational Motion (DRM)	Circular Motion & Lab Report 6
10/10/2017	DRM	
10/12/2017	Equilibrium and Elasticity (EE)	Equilibrium of Torques & Lab Report 7
10/17/2017	Equilibrium and Elasticity	
10/19/2017	<b>Class Test III</b>	Simple Harmonic Motion & Lab Report 8
10/24/2017	Fluid Mechanics	
10/26/2017	Gravitation	Online Lab & Lab Report 9
10/31/2017	Periodic Motion	
11/02/2017	Temperature and Heat (TH)	Gas Law & Lab Report 10 (Online Lab)
11/07/2017	<b>Class Test IV &amp; TH</b>	
11/09/2017	Thermal Properties of Matter	Specific Heat of a Metal & Lab Report 11
11/14/2017	Thermodynamic 1 <sup>st</sup> Law (T 1 <sup>st</sup> Law)	
11/16/2017	Thermodynamics 1 <sup>st</sup> & 2 <sup>nd</sup> Law	& Lab Report 12
11/21/2017	Thermodynamics 2 <sup>nd</sup> Law	
11/28/2017	Kinetic Theory	Lab Report 12
11/30/2017	Problem Solving	
12/05/2017	<b>Class Test V</b>	
12/12/2017	Final Exam	

**Class Test I:-** Vector, Kinematics and Newton Laws and motion and Application

**Class Test II:-** Work and Energy and Momentum and Collision

**Class Test III:-** RRB, DRM and EE

**Class Test IV:-** Fluid Mechanics, Gravitation and Periodic Motion

**Class Test V:-** Temperature, Heat, Thermodynamic 1<sup>st</sup> and 2<sup>nd</sup> Law, Kinetic Theory.