

Lecture # Date Lecturer Topics

Week 1

1 19-Jan-2011 Montaruli Chapter 1 Introduction

Week 2

2 24-Jan-2011 Montaruli Chapter 2.2 Velocity and Acceleration

3 26-Jan-2011 Montaruli Chapter 2.1-2.3-6 Newton's laws

Lab 1 24 Jan MC-1 Introduction to Phys Lab

Week 3

4 31-Jan-2011 Montaruli Chapter 3.1,3.4 Motion in 1-D with const. acceler., free fall

5 02-Feb-2011 Montaruli Chapter 4.2-3 Motion in 2-D: projectile motion and relat

Lab 2 31 Jan MC-2 Motion on an incline

Week 4

6 07-Feb-2011 Montaruli Chapter 3.2-3 + 3.5-8 + 4.1 More on relative motion, 3rd Newt

7 09-Feb-2011 Montaruli Chapter 4.1-4.4 More on Forces, equilibriumn tension, pulley

Lab 3 7 Feb MC-4 Acceleration in Free Fall

Week 5

8 14-Feb-2011 Montaruli Chapter 5.1-5.2 Circular Motion

9 16-Feb-2011 Montaruli Chapter 5.3-5.6 Gravitation

Lab 4 14 Feb MC-6 Force and Motion

Week 6

10 21-Feb-2011 Montaruli Chapter 6.1-6.2 Work, Kinetic Energy

11 23-Feb-2011 Montaruli Chapter 6.3-6.8 Potential Energy, Conservation of energy, Power

Make up Labs

Week 7

12 28-Feb-2011 Montaruli Chapter 7.1-7.4 Momentum and Impulse

13 2-Mar-2011 Montaruli Chapter 7.4-7.8 Collisions

Lab 5 28 Feb MC-5 Conservation of momentum and projectile motion

Week 8

14 07-Mar-2011 Dasu Chapter 8.1-8.3 Rotational Motion: Torque, Equilibrium

15 09-Mar-2011 Dasu Chapter 8.4-8.6 Rotational Dynamics, Moment of Inertia

Lab 6 7 Mar M-3 Equilibrium of forces and torque

Week 9

16 21-Mar-2011 Dasu Chapter 9.1-9.3 Rotational Kinetic Energy and Angular Momentum

17 23-Mar-2011 Dasu Chapter 9.4-9.6 Angular Momentum Applications