

Physics 101: How the “World” Works

Fall 2008

Tentative Calendar

Week 1

Mon Aug 25, Lecture 1: Why should you take PHY101?

Wed Aug 27, Lecture 2: Atoms

Reading: Chapters 1 and 2

Studio: No meetings this week

Week 2

Mon Sept 1, No lecture (HOORAY!)

Wed Sept 3, Lecture 3: *Most of our Universe is Missing*, FCI

Reading: Chapter 2

Studio: How big are molecules?

Week 3

Mon Sept 8, Lecture 4: Motion

Wed Sept 10, Lecture 5: Motion

Reading: Chapter 3

Studio: Visualizing motion

Week 4

Mon Sept 15, Lecture 6: Forces

Wed Sept 17, Lecture 7: Forces

Reading: Chapters 4 and some of Chapter 6

Studio: Rockets

Week 5

Mon Sept 22, Lecture 8: Momentum

Wed Sept 24, Lecture 9: Forces

Reading: Chapter 5

Studio: Collisions

Week 6

Mon Sept 29, Lecture 10: Energy

Wed Oct 1, Lecture 11: Energy

Reading: Chapter 5

Studio: Review

Week 7

Mon Oct 6, Lecture 12: Review

Wed Oct 8, Lecture 13: Midterm 1

Reading:

Studio: Review

Week 8

Mon Oct 13, Lecture 14: Circular motion

Wed Oct 14, Lecture 15: Circular motion

Reading: Chapter 6

Studio: Work/energy

Week 9

Mon Oct 20, Lecture 16: Electricity

Wed Oct 22, Lecture 17: Electricity

Reading: Chapter 10

Studio: Circuits

Week 10

Mon Oct 27, Lecture 18: Electricity

Wed Oct 29, Lecture 19: Magnetism

Reading: Chapter 11

Studio: DC motor

Week 11

Mon Nov 3, Lecture 20: Magnetism

Wed Nov 5, Lecture 21: Magnetism

Reading: Chapter 11

Studio: Electromagnetic induction

Week 12

Mon Nov 10, Lecture 22: Review

Wed Nov 12, Midterm 2

Reading: Review

Studio: Review

Week 13

Mon Nov 17, Lecture 23: Temperature

Wed Nov 19, Lecture 24: Temperature

Reading: Chapter 8

Studio: Behavior of gases

Week 14

Mon Nov 24, Lecture 25: Temperature

Wed Nov 26, No class

Reading: Chapter 9

Studio: No meeting this week

Week 15

Mon Dec 1, Lecture 26: Global Warming

Wed Dec 3, Lecture 27: Course Review

Reading:

Studio: Stirling engine