

Physics 211

Elementary Physics

Fall 2012

Instructor: Dr. Geoffrey Lovelace
Sections 1 & 70

Lecture 6 — 9/13/12

I. “Speed” bus jump

II. Vector components & addition by components

A. Components \iff magnitude, direction: the trig you will need

B. Addition by components

C. Worked example: vector addition

III. Projectiles

A. When velocity, acceleration not parallel, motion is along a curve

B. Projectile: horizontal: uniform motion, vertical: freefall

C. Demo: monkey shoot

IV. Assignments

A. Reminder: homework #2 due today at 11:59PM

B. Homework #3 assigned today: due in 1 week

C. Exam #1: 2 more classes remain before first exam

D. Class participation: opinion survey #2

E. Reading: to end of chapter 3