

Physics 211

Elementary Physics

Fall 2012

Instructor: Dr. Geoffrey Lovelace
Sections 1 & 70

Lecture 10 — 10/02/12

I. Summary & review: Newton's laws of motion

II. Forces: weight & normal force, string tension

A. Weight & normal force: flat vs. inclined surface

B. String tension, pulleys

III. Quantitative examples

A. Example 4.3: pulling blocks connected by a string

B. Example: Atwood's machine

C. Demo: Atwood's machine on a slope: funicular train up a mountain

IV. Assignments

A. Homework #5 due: 11:59PM Thursday

B. Class participation: climbing the rope clicker question