EN PHYS 131 - EZ02- Lab 10 Due Mon. Apr. 4 @ 5 PM

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Procedure:

- 1. Download one of the videos available on eClass. Load this into LoggerPro using the instructions in the lab manual.
- 2. Weigh the ball on the provided scale to determine its mass.
- 3. Set the origin at the starting position of the ball. Set the scale using the metre stick shown in the video. Record the position of the ball in each frame until its second impact with the ground.
- 4. From the data, find 4 values:
 - H initial height of the ball on the ramp
 - h height of the ball at the end of the ramp
 - S distance from the end of the ramp to the first impact with the ground
 - S' distance from the end of the ramp to the second impact with the ground
- 5. With these 4 values, the mass of the ball and value of g, answer the 17 questions from the manual.

In report:

- Answers to the 17 questions. These may be done by-hand, but **MUST** be neat and easy to read.
- Answers must clearly show the equations being used and how you got there. No one word or number answers.
- About a 1/2 page conclusion.
 Highlight the main results i.e. what were the energies/momenta before and after the collision? Were either conserved? Why or why not?