

# Phys 131 - Fall 2009 - Lab Final Info

## Location: Vertical Drop Laboratory

Science and Technology Center 304

(3rd Floor Lobby near the elevator.)

## Drop-In Hours:

You can drop in any time the lab is open, but you have to do the entire lab final in one session. Expect the lab final to take about 30 minutes. If you find none of these times work, talk to the instructors now, before finals week.

<b>Mon 12/14</b> <b>4:30-6:30pm</b>	<b>Tue 12/15</b> <b>11am-1pm</b>	<b>Wed 12/16</b> <b>4:30-6:30pm</b>	<b>Thu 12/17</b> <b>11am-1pm</b> <b>4:30-6:30pm</b>
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## Rules:

1. This is an individual exercise. You will not have a lab partner.
2. You are allowed to use the lab instruction manual. No other notes or papers can be brought.
3. For safety, the instructor will control the experimental portion of the final.
4. During the analytical portion of the final, the instructor is only allowed to clarify the directions. For consistency, **no other help will be provided**.
5. The entire experiment **must be completed in one seating**. You are not allowed to complete part of the experiment and then return later to finish up.
6. We will give you a worksheet with all the instructions you need. Complete the worksheet, turn it in, and you're done.

## Grading:

- Each question on the worksheet will have a number of points assigned to it.
- There will be 300 points total, meaning the final has the same weight as 3 labs.
- Numerical answers will be graded based on:
  1. Neat and tidy work shown to obtain the answer (and uncertainty).
  2. Accuracy of the answer.
  3. Reasonable Units (e.g. you can't measure length in kg).
  4. Correct **Uncertainty** calculations with reasonable initial uncertainties.
- Some questions may be about theory (i.e. predicted values), and some may be about experiment (i.e. measured values). You have to correctly distinguish between the two.