

PHYS 201 Laboratory
Call #: 05576

Tuesday
9:00 – 11:00

Dave Riethmiller
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<http://www.phy.ohiou.edu/~rieth>
Office: Clippinger 338
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Office Hours: M 10-12, Th 1-4

INTRODUCTION Physics 201 is the first of three algebra-based introductory physics courses. You are expected to have a working knowledge of high school algebra and trigonometry. Topics to be covered include mechanics of solids and liquids.

MATERIALS You must bring with you a calculator, pen or pencil, and a printed copy of the lab for each week, available from LON-CAPA. Also, any handouts distributed during lecture should also be brought to lab. Occasionally I will post extra handouts at <http://www.phy.ohiou.edu/~rieth/Courses>. You will not be required to read this extra material, but you may find it helpful.

ASSIGNMENTS AND GRADING I expect you to attend each lab having already read the lab procedure for that week. The lab schedule for this quarter is available for download from LON-CAPA, and is also shown below.

Your grade for 201 lab will be a straight percentage (points earned divided by points possible). At the end of the quarter I will submit these numbers to your lecture instructor, who will incorporate them into your final grade for the course. Your grade for each of 8 weekly labs has the following breakdown:

- Prelab: 6 points
- Lab Write-Up: 10 points
- Participation: 4 points

I will collect the prelab at the **BEGINNING** of each lab session. This purposely forces you to read and complete the prelab **AHEAD OF TIME**. Therefore, I strongly encourage you to attend my office hours or email me if you have questions. I will refuse to answer prelab questions starting 20 minutes before class, so it is a **VERY BAD IDEA** to wait until the last minute to attempt the prelab.

You will turn in the lab write-up before you leave each week. As we will often finish early, I strongly suggest you proofread your work before you turn it in; I can point out any mistakes before you leave, but once you exit the lab room your work is final. Although you and your lab partner may have similar data, you must still turn in your own work. Participation points work just as expected; be on time, do your share of the work, etc.

I will return your graded labs the following week, along with a rubric so you can see exactly how points were awarded. Some of my previous rubrics are available at the above web address, although I may not grade the same way again. Note that the rubrics do not contain answers, merely point distributions.

ATTENDANCE Attendance is mandatory at all lab classes. Any student absent more than twice without a university-approved excuse will fail the lab. If you are absent or need to be absent for any reason, speak to Ruth Webb-Duffy (Clippinger 046, webb@phy.ohiou.edu) to schedule a make-up time. Ruth will issue you a **BLUE SLIP**. After you have made up the lab, have your make-up lab instructor **SIGN** the blue slip, then attach it to your write-up and turn everything in to **ME**.

Note: Even with a valid excuse, you receive a zero for any lab missed. The zero is replaced with your score after you make up the lab.

Be sure to schedule your make-up lab **AS SOON AS POSSIBLE** (preferably within the same week); make-ups will not be given to students who wait until the last week to ask for them.

The complete make-up policy is posted on the laboratory door, and is also available from LON-CAPA. I will take attendance at the beginning of each class.

Physics 201 Laboratory Schedule
Winter 2008, Tuesday 9:00-11:00

<u>Lab Date:</u>	<u>Experiment:</u>	<u>Exp. Number:</u>
Jan. 15	Simple Measurements and Density	2
Jan. 22	No labs	
Jan. 29	Addition of Forces (Substitute Instructor)	3
Feb. 5	Acceleration Using Air Track	8
Feb. 12	Atwood's Machine	7
Feb. 19	Equilibrium & Center of Gravity	4
Feb. 26	Parallel Forces	5
March 4	Conservation of Momentum with Air Track	11
March 11	Ballistic Pendulum	12

I will be out of town January 24-31, February 12 (evening) – 18, and March 18 – 21 to collect data at MDM Observatory in Arizona. This will affect one of our scheduled lab times as well as office hours, although I should be in email contact. I will make sure you have a substitute lab instructor while I am absent.