

**Mississippi State University
Department of Physics and Astronomy**

PH 2223 Lab, Section 14

Spring 2012

Wednesdays: 2000 - 2150, Hilbun 341

TEACHING ASSISTANT	Prajwal Mohanmurthy Hilbun 040 ptm39@msstate.edu Voice: (662) 325-1768 <u>Office Hours</u> : Monday, Friday: 1600 – 1700
LAB COORDINATOR	Dr. Lazarus Solomon Hilbun 241 l1154@msstate.edu Voice: (662) 325-4017
LAB WEBSITE	http://sites.google.com/site/prajwalmohanmuthy/lab or simply http://goo.gl/1K360 Keep a check on this webpage for updates and grades. All lab materials will be available here. Infact you are supposed to use this page exclusively.
CO – REQUISITE	PH 2223: Physics II (Calculus based implies knowledge of Trigonometry)
GRADING	Each individual lab grade break-up are as follows; 30% - Pre-Lab Worksheet 30% - Lab interaction, Post-Lab Report (Theory, Introduction and Procedure) 30% - Post-Lab Report (Data Table, calculations and result) 10% - Conclusion paragraphs Submit the Pre- Lab Worksheet before lab starts and the rest the following week. Up to 10% of the entire lab grade (which means the equivalent of 1 lab) of <u>extra credit</u> (Ask me what these are if you are interested...). Also remember this lab course is a 10 sessions choose 11 sessions system. So you have ample opportunity to make the grade you wish for. Note: A minimum of 70% is required of you to pass the lab course. Also, the course (lecture) credit is only given on passing the lab course, regardless of your lecture-course grade. Skipping a Lab-session will result in a 'null' (0) on the grade book.

PRE-LAB
WORKSHEETS,
POST-LAB REPORTS,
LABS, CONCLUSION
PARAGRAPHS AND
ALL THE SMALL
THINGS THAT
MATTER

Pre-Lab Worksheets: Please find these on the website and complete them, these shall prepare you for the lab.

Post-Lab Report: A sample report is attached (You may or may not follow it). Please pay attention to content and presentation. Presentation doesn't mean beautification, it means staying consistent and definitive. PLEASE DO NOT STICK TO MLA FORMAT, it is not a technical standard. The 'Data Acquired' section of the report should present data collected in a TABULAR FORMAT. Please learn to make MS Excel (Note: You do not have to buy any software, any free plotting software is also acceptable) plots at the least; hand plotting will be discouraged. This is a good place to learn to plot using a computer. Please show all your calculations. Assume the TA does not know anything. In the result section make sure to answer all the questions from the lab manual besides mentioning the calculated/ measured values in each lab.

Conclusion paragraphs: In brief (maybe at least 10 lines), tell me how the experiment could have been performed differently or any means of improving the experiment, major source of error, what new thing you learnt from the experiment, basically have fun and give me a good feedback. Write this AFTER the experiment was actually conducted. Please do not bring a pre-written paragraph.

USE ONLY SI UNITS (Don't know what that is, ask.)

Be interactive, as much as possible! Come to the lab charged, **on time** and take part in conducting the experiments. Don't just sit there and copy stuff from people around you. After the experiments, dismantle everything, and set them all neat and clean again.

Note: PLEASE, NO TEXTING (BELOW THE DESK) AND CURTAIL THE USE OF CELL PHONES AND PUT THEM AWAY.

TO DO LIST

- Complete the pre-lab worksheet
- Come to the lab prepared & do the experiment.
- Turn in the post-lab report with all the component as illustrated in the example sheet attached

HONOR CODE

"As a Mississippi State University student I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do."

Refer to <http://www.honorcode.msstate.edu/policy/>

There's nothing to be gained by cheating, but maybe a mundane grade on the transcript. It is requested of you that leniency during the lab and with submission of the required material not be abused. **No** reminders will follow.

PHYSICS 2: PH 2223-14

Lab 1

Simple Harmonic Motion - Spiral Spring

(01 Jan, 2012)

By

<Your name>

<Your Partner's name/s>

"On my honor, as Mississippi State University student, I have neither given nor received unauthorized assistance on this academic work."

Signature: _____

PH 2223: Section 14
Lab Instructor's name

