

General Physics Laboratory w/ Calculus
PHYS 1401Q
Syllabus Spring 2011

TA: **SANDIPAN BANERJEE**

Office: P 210

Office Hours: Tuesday 1:30 pm – 2:30 pm
or by appointment.

E-Mail: banerjee@phys.uconn.edu

Phone: (860) 486 – 3500

Things you need in Lab: Physics 1401Q Lab Manual, a lab journal dedicated only for this lab, a scientific calculator, a flash drive (to save data)

Computer: User ID: **administrator** Password: **21skritch52**

Lab Schedule:

Week	Experiment No.	Topic
1	1	Motion at constant velocity
2	3	Motion down an incline plane – (L)
3	5	Mass and Motion down an incline
4	6	Forces in equilibrium – (L)
5	9 - Beta	Static Friction
6	No Labs	Spring Break
7	11	Inelastic Collisions and velocity – (L)
8	13	Elastic Collisions and Velocity
9	15	Mobles and Equilibrium
10	18	Angular Momentum
11	19	Measuring Spring constants – (L)
12	21	Oscillations with two Springs
13	22 - Beta	Waves on a String

Note: This schedule is subject to change. Check with me for confirmation of weekly experiments.

Website: <http://www.phys.uconn.edu/~banerjee/phys1401/>
<http://www.phys.uconn.edu/people/diversity-committee>

Expectations:

- Be on time (**If you are late by 15 mins. or more you shall be marked late, and pre-lab work would not be graded. If you are late on two consecutive classes you will be marked absent for that day !!**)
- Plagiarism is not tolerated !!
- Be respectful of the room, equipment, and everyone in the room (**after completion of the experiment please put back the equipment exactly as it was provided to you**)
- Ask me questions!
- **No food** is permitted.
- **Cell phones** should be switched off or on vibrate during labs.

Lab Grade: Your grade for this laboratory will be incorporated into your final PHYS 1401Q Lecture grade: the lecture professor will determine its overall weight (usually it is around **25%**). Note that **≤ 50 % is a failing grade for Labs !!**

Your laboratory grade will be determined as follows:

- 10% - Method and Prediction Questions** (these will be checked only for completeness) – Individual Work
- 15% - In-Class Worksheet** (these will be collected at the end of each lab and graded) – Group Work
- 15% - In-Class Data File** – Group Work
- 60% - Lab Reports** (See Physics Formal Lab Grading Sheet) – **Individual Work** (weighted as 15% for the 1st one, 25% for 2nd and 30% each for 3rd & 4th)

Attendance: Attendance is mandatory. Exceptions will be made at my discretion, contact me if you have a problem. If you miss 3 or more labs, you will receive an incomplete for the entire course.

Make – ups: In case you have to miss a lab for a real emergency; try to make that up during that same week. Due to the nature of 1401 lab setup; it is impossible to make up at the end of semester. It is your responsibility to contact the TA in-charge of the other section in which you plan to go for the make up lab; however it is solely upon his/ her discretion to allow you in that lab !!

Late Work: Lab reports are the only work that will be accepted as late work. Lab reports will be penalized at a rate of 5 points per day up to 10 days late. A lab report is late if it is not turned in at the beginning of class on the day it is due.

Academic Misconduct: Please refer to The University of Connecticut Student Code.

Note: There are no Mid- Terms or Final Exams for this lab. So just relax and do your work with utmost regularity.