Week 6: Reading & Homework Assignment # 6

Lecturer: Prof. Steven Errede  serrede@illinois.edu  
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Office Hours: Anytime (by appt. preferred…)

Lab TAs: Matt Ziemann  mrziema2@illinois.edu  
Office Hours: Wednesdays,  10:00-11:00 am  6105 Eng. Sci. Bldg. (or by appt.)

John Whitman  jwhitma2@illinois.edu  
Office Hours: Mondays,  12 noon-1:00 pm  6105 Eng. Sci. Bldg. (or by appt.)

Course Textbook(s): Physics 406 Lecture Notes (posted on P406 website – see below)  


Course Website: http://courses.physics.illinois.edu/phys406/  
http://courses.physics.illinois.edu/phys193/  
All lecture notes, lab handouts, additional references, previous student final project reports (and much more) are available on the P406 (and P193) website(s). Please check these out!

Course Organization:

A. Lectures: Tuesdays & Thursdays, 12:30-1:50 pm, in the POM Lab (6105 ESB).  
We will also have various demos using equipment in the POM Lab (6105 ESB).

B. Friday Labs: Lab1 @ 11:00 am -1:50 pm, Lab2 @ 2:00-4:50 pm in the POM Lab (6105 ESB)

First part of the semester will consist of doing various simple/short experiments using equipment and/or software in the lab. Will discuss this in the 1st lab session(s) this coming Friday. Second part of semester, labs will be focused on student project(s) – more on this below.

C. Weekly Reading and Homework Assignments: HW due following week on Thursday, in class.  
D. Take-Home Midterm Exam: Tuesday, March 8, 2016, Due: Thursday, March 17, 2016  
E. Midterm Project Oral Presentations: Brief! In class – Tues & Thurs,  March 8 & 10, 2016  
F. Final Project Oral Presentations: Brief! In class – Thurs, April 28 & Tues, May 3, 2016  
G. Take-Home Final Exam: Tuesday, April 26, 2016, Due: Friday, May 6, 2016  
H. Final Project Written Report: Due: Friday, May 13, 2016

Reading Assignment For Week 6: Please read Physics 406 Lect. Notes IX-X,  
Lect. Notes on Derivation of the Sabine Equation and also read Science of Sound (SoS), Ch. 23 & 24.

Homework Assignment For Week 6: SoS Ch. 23: Exercises 1, 2, 4, 5, 9  
SoS Ch. 24: Exercises 1, 3, 4, 5, 7

Final grade based on:  
ΣHW’s: 20%  
MT: 15%  
FE: 30%  
FP: 35% (= Σ mid-term & final oral presentations, final written report).