Week 7: Reading & Homework Assignment # 7

**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: Mondays, 10-11 am  6105 Eng. Sci. Bldg. (or by appt.)

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Office Hours: Tuesdays, 2-3 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 7, 2017,  **Due:** Thursday, March 16, 2017

E. **Midterm Project Oral Presentations:** Brief! In class – Tues & Thurs, March 7 & 9, 2017

F. **Final Project Oral Presentations:** Brief! In class – Thurs, April 27 & Tues, May 2, 2017

G. **Take-Home Final Exam:** Tuesday, April 25, 2017,  **Due:** Friday, May 5, 2017

H. **Final Project Written Report:**  **Due:** Friday, May 12, 2017

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**Reading Assignment For Week 7:** Please read Physics 406 Lect. Notes X & X-Part II, and also read Science of Sound (SoS), Ch. 25.

**Homework Assignment For Week 7:** SoS Ch. 25: Exercises 1, 2, 3, 4, 5, 6

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