Week 4: Reading & Homework Assignment # 4

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

Lab TAs: Matt Ziemann  mrziema2@illinois.edu
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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/phys406/)
[http://courses.physics.illinois.edu/phys193/](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 4:**
Please read Physics 406 Lect. Notes V- VIII, the Consonance/Dissonance Lect. Notes and also read Science of Sound (SoS), Ch. 6 & 7.

**Homework Assignment For Week 4:**
SoS Ch. 6: Exercises 1, 2, 3, 5, 6
SoS Ch. 7: Exercises 1, 2, 3, 4, 8

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**Final grade based on:**

- $\Sigma$HW’s: 20%
- MT: 15%
- FE: 30%
- FP: 35% ( = $\Sigma$ mid-term & final oral presentations, final written report).