

## 29:044 Physics of Sound – LABORATORY 2014

**TA:** Feng Chu  
**Office:** 658A Van Allen Hall  
**Office Hours:** 4:00 – 6:00 pm on Wednesdays  
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**Lab Sections:** 29:044:043 Thursday 2:30 - 4:20 pm 361 Van Allen Hall  
29:044:047 Thursday 7:00 - 8:50 pm 361 Van Allen Hall

**Laboratory:** There are 11 labs, of which 10 will count towards your final grade. Your work in lab is worth over 20% of your final grade, so you should take it seriously. Misconduct in the lab will not be tolerated.

### Lab Schedule:

<b>Date</b>	Jan 30	Feb 6	Feb 13	Feb 20	Feb 27	Mar 6	Mar 13
<b>Lab</b>	SHM 1	SHM 2	Speed of Sound	Doppler Effect	NO LAB	Overtones of a tube	Mersenne's Laws
<b>Date</b>	Mar 20	Mar 27	Apr 3	Apr 10	Apr 17	Apr 24	May 1
<b>Lab</b>	NO LAB (Spring Break)	The Sonometer	The Synthesizer	NO LAB	Basic Circuits	Digital Sound	Unstable Helmholtz oscillator

### Laboratory Organization:

First 10-20 minutes: discuss lab, explain apparatus and procedure  
Rest of lab: perform lab and write lab report  
End of period: turn in lab report

- ID for instruments
- ***Do not load any software on the PC or change PC settings***
- Turn off the apparatuses after use.
- Clean the lab bench before you leave. I will check your lab bench before I give you any credit for clean up.

### Tutorial:

The physics tutorial is located in room 310 VAN – the hours it is open are posted on the door or go to <http://www.physics.uiowa.edu/resources/spring-2014-physics-tutorial-schedule>

## **POLICY GOVERNING UNDERGRADUATE AND PROFESSIONAL STUDENTS ENROLLED IN COURSES OUTSIDE THEIR OWN COLLEGE OR DEGREE PROGRAM**

This course is given by the College of Liberal Arts and Sciences. This means that class policies on matters such as requirements, grading, and sanctions for academic dishonesty are governed by the College of Liberal Arts and Sciences. Students wishing to add or drop this course after the official deadline must receive the approval of the Dean of the College of Liberal Arts and Sciences. Details of the University policy of cross enrollments may be found at: <http://www.uiowa.edu/~provost/deos/crossenroll.doc>.

### **PROCEDURES FOR STUDENT COMPLAINTS**

- A student who has a complaint related to a Physics or Astronomy course should follow the procedures summarized below. The full policy on student complaints is on-line in the College's Student Academic Handbook [http://www.clas.uiowa.edu/students/academic\\_handbook/ix.shtml#5](http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml#5).
- Ordinarily, the student should attempt to resolve the matter with the instructor first. If the complaint is not resolved to the student's satisfaction, the student should go to the course supervisor (if the instructor is a teaching assistant) or to Associate Chair, Professor Paul Kleiber.
- If the matter remains unresolved, the student may submit a written complaint to the Associate Dean for Academic Programs, 120 Schaeffer Hall (335-2633). The associate dean will attempt to resolve the complaint and, if necessary, may convene a special committee to recommend appropriate action. In any event, the associate dean will respond to the student in writing regarding the disposition of the complaint. For any complaint that cannot be resolved through the mechanisms described above, please refer to the College's Student Academic Handbook for further information.

### **AVAILABILITY OF MODIFICATIONS**

"I need to hear from anyone who has a disability, which may require some modification of seating, testing, or other class requirements so that appropriate arrangements may be made. Please contact me during my office hours." Students with disabilities should also contact the Office of Student Disabilities Services (335-1462).