

Contact Information

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Course Information

Lab: 1:00-5:00 Day 4/5
 Room: 167/110/112/146 Peter Engel Science Center
 Web Site: <http://www.physics.csbsju.edu/370/>

Experiments

A lab assignment and three experiments will be completed by each lab group during the semester. All groups will be doing the Rocket and Magnetopause experiments, and either the Franck-Hertz or torsion pendulum experiment. The experiments will be graded based on your lab notebooks. As well as recording your data and doing the necessary calculations, be sure to answer all of the questions from the lab in your notebook. The final project for this course is a poster presentation.

Course Schedule

Roughly half of the time there will be a lecture at 1:00 pm introducing the concepts behind a lab and tools needed for a lab. For completing the experiments, you are free to work when you like as long turn the assignments in on time, though I recommend that you do at least some of your work during the scheduled lab periods. Note that points will be deducted for late assignments. Also, note the due dates for labs in the schedule below.

Cycle	Date	Lecture	Due
1	M-T 9/03-04	Introduction / Unix Tutorial	—
2	T-W 9/11-12	Rocket Lab	Unix Tutorial
3	W-R 9/19-20	Magnetopause Lab	—
4	F-M 9/28-01	Franck-Hertz	—
5	M-T 10/08-09	Torsion Pendulum	—
6	R-F 10/18-19	—	—
7	F-M 10/26-29	—	1st of 3 labs
8	M-T 11/05-06	—	—
9	T-W 11/13-14	—	—
10	M-T 11/26-27	Introduction to Posters	2nd of 3 labs
11	T-W 12/04-05	—	Poster Presentations
12	W-R 12/12-13	—	—
FW	M 12/17	—	3rd of 3 labs

Grading

The grade for this class will be based 20 % on the poster presentation report and 80 % on the lab notebooks.