

## **PHYS 209A Introduction to General Physics**

**Dr. Jeremy Qualls:** Syllabi and alignment with Joanne delCorral P209A class

Class meeting time: 5:00-7:40 pm      Thursday Darwin 308

Learning Objectives <http://www.phys-astro.sonoma.edu/catalog/learningobjectives.doc>

Welcome to Introductory Laboratory. In this lab mechanical physics and basic data analysis and acquisition. This laboratory is designed to enhance your understanding of concepts covered in the PHYS 210A lecture.

### **Grading Policy:**

Attendance is mandatory: If you do not attend a lab session you will receive a zero for that lab.

### **Information and Announcements**

My homepage is <http://phys-astro.sonoma.edu/people/faculty/qualls> and it also has some nice links and a review of my research here at SSU.

### **Professor's Information**

Dr. Jeremy Qualls

Office: Darwin 300K

Phone: 664-2256

Email: [quallsj@sonoma.edu](mailto:quallsj@sonoma.edu)

Ph.D.: 1999 Florida State University

Lab: 303

Lab Phone: 664-3448

Cell Phone: 707-479-3951

This is my weekly schedule. I have an open door policy regarding office hours. If I am around please feel free to ask questions regarding the course or research at SSU.

### **University Policies**

There are important University policies that you should be aware of, such as the add/drop policy; cheating and plagiarism policy, grade appeal procedures; accommodations for students with disabilities and the diversity vision statement. (Go to this URL to find them: <http://www.sonoma.edu/uaffairs/policies/studentinfo.shtml>)

Following Joanne del Corral 209A Grading Policy

**General Physics Lab first semester**

GE: category B1 or B3 (Physical Sciences) and GE laboratory requirements

**Prerequisite:**

Previous or concurrent enrollment of P210A or equivalent required. This is an algebra-trig based course.

**Subjects:**

Statistical Analysis of data and introduction to electronic data acquisition. Dynamics in one and two dimensions. Newton's Laws. Sound waves. temperature.

**Materials:**

- 1/2" three-ringer binder for worksheets and all returned work.
- Lab manual with all experiments included for \$10. In class the first two weeks.

**Late Work**

10% grade reduction for late reports and homework. After 1 week the instructor can refuse to accept them. Talk to me as soon as possible for extenuating circumstances. To pass you cannot miss more than 3 classes.

**Missed work:**

You cannot make up a missed quiz. Your lowest quiz grade will be dropped. If you miss 2 quizzes, you will not be given credit for one of them. (10 points) If you were absent the previous week you can still take the quiz: review the experiment details before coming and contact your lab partner. If you missed an experiment requiring a lab report you can come in during the last week of classes to make up a substitute experiment without penalty. If you miss two, one will be graded a zero.

**Breakdown of points.** (Quiz number and Worksheet number approximate.)

<b>Assignments</b>	<b>Individual Points (Total Possible)</b>
4 Formal Lab Reports	40 points each (160)
1 Homework assignment	10 points (10)
5 (approx.) In-class Worksheets	10 points (50)
3 Open-book Quizzes.	10 points each, lowest dropped. (20)

Total possible points after 1 quiz dropped = 240

Your final grade will be based on the percentage of points earned. I have the option of taking into account your overall work, improvements made, participation. Quizzes test your understanding of the physics of the experiment, or statistical concepts. Take good notes and try to understand the significance of the lab before you leave and you should do fine with them.

**Fall 2009 Schedule for Dr. Qualls**

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:30 am			9:30-11:00 Office Hour		
11:00 am	PHYS 214 Darwin 35		PHYS 214 Darwin 35	PHYS 214 Art 102	PHYS 214 Darwin 35
12:00 pm	Lunch		Lunch	Lunch	Lunch
1:00 pm	PHYS 460 Ives Hall 35		PHYS 460 Ives Hall 35	PHYS 216 Darwin 311	STUDENT RESEARCH
2:00 pm					
3:00 pm	2:30-4:00 Office Hours		Department Meeting		
4:00 pm	What Physicist Do				
5:00 pm – 7:40 pm	Dinner with speaker	PHYS 209A Darwin 308			

**Note: A number of days must be established as furlough days in agreement with CFA and Sonoma State University to address budget concerns. You will be notified as soon as those dates are established. On furlough days no courses will be taught and Dr. Qualls will be unavailable that day.**

Here are the days I have requested as Furlough Days. After these dates have been approved I will notify the class.

- September 8, 28
- October 30
- November 2,20,23,24
- December 11, 15