

PHYSICS 101

Fall 2009

Laboratory Syllabus

Laboratory Instructor/Supervisor: Mr. Ali Piran, Department of Physics and Astronomy
Phone: 468-2391 Email: apiran@sfasu.edu
Office Hours: 2:00-4:00 pm MTW or by appointment, Room 327 Miller Science Building
Lab Course Home Page: <http://www.physics.sfasu.edu/downing/101LabSyllabus.htm>
Lab meets in 316 Miller Science Building

<u>Week of</u>	<u>Experiment</u>	<u>Week of</u>	<u>Experiment</u>
Sep 7	Superposition of Waves	Oct 19	Lab Exam I * and Telescopes
14	The Vibrating String	26	Graphing
21	The Organ Pipe	Nov 2	The Simple Pendulum
28	Types of Spectra	9	Addition of Vectors
Oct 5	The Ray Box: Part One	16	Linear Momentum
12	The Ray Box: Part Two	30	Centripetal Force
		Dec 7	Lab Exam II *

* **Lab Exam I covers the first five experiments. Lab Exam II covers the last seven experiments.**

SUPPLIES

Each student MUST bring the following supplies to every lab session.

1. Pencil and eraser
2. Laboratory Manual (PHY 101 only sold in local bookstores)
3. Calculator (bring to every lab!)

(If you do not bring the required supplies for a particular lab, you will not be able to complete the lab. Please don't forget to bring them!)

CLASSROOM POLICIES

Each day's lab begins with a brief presentation by the teaching assistant (15-30 minutes). Important instructions, theory, and procedures for completing the lab exercise are given at that time. At the conclusion of the presentation students will then complete the lab exercise under the guidance of the lab assistant.

1. Come prepared! Read over the lab exercise before coming to class (see calendar) and bring required materials.
2. Review the online PowerPoint show associated with each day's lab at <http://www.physics.sfasu.edu/downing/101LabSyllabus.htm>.
3. Arrive on time to avoid missing important instructions and/or possible pop quizzes!
- 4. All electronic communication devices must be turned off during class.**
5. Each lab must be completed during the lab period.
6. There will be no make-up labs.
7. Transfers are allowed for those with extenuating circumstances. (No transfers are possible in the summer.) (Only Mr. Piran and Dr. Downing can approve transfers.)
- 8. No food or drink allowed in lab.**

GRADING

1. As mentioned you the General Bulletin and in your lecture syllabus, your **lecture and laboratory grades are computed into one grade, and the same grade is recorded both for your lecture credit (3 hour) and for your lab credit (1 hour)**. The lab accounts for 25% of this overall grade. Half of this 25% will come from the average of your 10 highest experiment grades, and the other half will come from your two lab exams. (See lecture syllabus for further information.)
2. Each experiment grade will be based on the experiment and a possible pop quiz. Pop quizzes can include questions over the present as well as the most recent laboratory exercise.
3. Your experiment average will be drastically affected if you have three or more absences and **any** of them are **unexcused**.
4. Experiment grades and absences will be posted each week online. It is your responsibility to check these postings in order to identify errors in the most recently posted grades or absence designations. You have 10 days (2 days in the summer) from the day of each posting to correct any such errors.
5. If you have obtained a permit from the Department Chair of Physics and Astronomy to take the lab only, then your PHY 101 lab grade (for one hour credit) will be determined thusly: 50% of the grade will be based on the lab experiment average and 50% of the grade will come from the lab exams. (To qualify for taking the lab without the corequisite lecture, one must already have credit for the lecture and permission of the department chair.)

LAB ABSENCES

We realize that occasionally there are legitimate reasons for missing a lab such as illness, family emergency and participation in certain university-sponsored events. Please read the following absence policy carefully.

1. If you will be missing lab because of an approved university-sponsored event, you must inform the laboratory supervisor at least one week before the absence.
2. Students are responsible for providing timely documentation satisfactory to the laboratory supervisor for each absence. You have one week after missing a lab to bring a written excuse for an absence to Dr. Downing (Room 322B Miller Science Building). If you do not bring a written excuse within one week, the absence cannot be excused.
3. Students will receive a grade of zero for each UNEXCUSED lab absence.
4. Whether an absence is excused or unexcused, a student is still responsible for all course content.

ACADEMIC INTEGRITY

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism.

Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit. Read the complete policy at

http://www.sfasu.edu/policies/academic_integrity.asp

WITHHELD GRADES POLICY

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the required course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms, the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

STUDENTS WITH DISABILITIES

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to <http://www.sfasu.edu/disabilityservices/>.