

General Physics I Laboratory

Syllabus – Fall 2011

The mission of Abilene Christian University is to educate students
for Christian service and leadership throughout the world.

Contact Information:

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Dr. Paul Morris
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Laboratory Sections: (All labs meet in Foster Science Building 355)

L1 – Monday 3-5 PM	Dr. Dowdy
L2 – Tuesday 3-5 PM	Dr. Dowdy
L3 – Wednesday 2-4 PM	Dr. Morris
L4 – Thursday 1-3 PM	Dr. Daugherty

Text:

RealTime Physics Active Learning Laboratories Module 1: Mechanics, 2nd Edition
by David R. Sokoloff, Ronald K. Thornton, Priscilla W. Laws ISBN 978-0-471-48770-8

Course Description:

Experiments in mechanics, heat, and sound. An algebra-based physics course, designed primarily for liberal arts and pre-medical and pre-dental students. The class format is very informal and encourages questions and comments. Most of the time will be spent applying physical principles in a laboratory setting.

Desired Course Outcomes:

- 1) Demonstrate comprehension of fundamental principles and relationships in the natural sciences.
- 2) To understand the possibilities and limits of science and experimentation.
- 3) Analyze problems, concepts, issues, claims, and situations using scientific methodology.

Attendance and Grades:

There is no makeup work for any work that occurs during your absence from class. If you are absent, you get a zero for any work given that day, with no exceptions.

Late work will not be accepted. All pre-labs and Homework are due by the beginning of your class. If you must be late, then your work should arrive by some other means on time (or early). Thus, if you come to class 1 minute late, your work is worthless when it comes to obtaining a grade. You may always turn in your assignments early 1) to your teacher directly or by 2) giving your work earlier than the time due, to Lois Marie Reed directly, in Science 350 for her to place in the appropriate mailbox.

All lab sections experiment on the same lab during a week. Thus, for an extracurricular activity or planned absence you may contact your professor about the possibility of attending another section during the week. Transferring to another section for a day is made on a case-by-case basis with limited availability. No guarantees are made that you will be allowed to attend another class during the week for credit in the class period you need to miss.

Class Participation:

Class participation comprises 12% of the overall grade. Participation includes everything except pre-labs, lab reports, and homework. For example, cleaning up your lab table and putting things away is considered participation. A grade of zero (0) out of twelve (12) will be assigned to any student missing week 1 or 15 as outlined below.

Final Grades:

Percentage	Description	Points
12%	Participation	____ / 12
11%	Pre-Labs	____ / 11
22%	Homework	____ / 22
55%	Lab Handouts	____ / 55
	Total	____ / 100

You will earn a grade according to the scale below:

90 to 100%	A
80 to 89.99%	B
70 to 79.99%	C
60 to 69.99%	D
Less than 60%	F

Schedule:

RTP – Real Time Physics

School Week	Dates	Lab
Week 1	Aug 29-Sept 2	Lab Syllabus and Surveys, RTP PRELAB 1
Week 2	Sept 5-9	RTP Lab 1
Week 3	Sept 12-16	RTP Lab 2
Week 4	Sept 19-23	Lab Practical – Summit Week
Week 5	Sept 26-30	RTP Lab 3
Week 6	Oct 3-7	RTP Lab 4
Week 7	Oct 10-14	RTP Lab 5
	Oct 15	Homecoming
Week 8	Oct 17-20	RTP Lab 6
	Oct 21	Fall Break
Week 9	Oct 24-28	RTP Lab 7
Week 10	Oct 31-Nov 4	RTP Lab 8
Week 11	Nov 7-11	RTP Lab 9
Week 12	Nov 14-18	RTP Lab 11
	Nov 18	Last Day to Withdraw from a course
Week 13	Nov 21-25	No Lab
	Nov 23-25	Thanksgiving Break
Week 14	Nov 28-Dec 2	RTP Lab 12
Week 15	Dec 5 -9	Lab Practical, Course Surveys
Week 16	Dec 12	Dead Day – No Classes
	Dec 13-16	Finals as Scheduled by University
	Dec 13	2-4 PM Monday Lab Section Final
	Dec 14	2-4 PM Tuesday Lab Section Final
	Dec 16	12-2PM Wednesday Lab Section Final
	Dec 13	12-2 PM Thursday Lab Section Final