

General Physics II Laboratory

Syllabus – Spring 2012

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

Contact Information:

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Laboratory Sections:

All labs meet in Foster Science Building 355

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

Desired Course Outcomes:

- Demonstrate comprehension of fundamental principles and relationships in the natural sciences
- Analyze problems, concepts, issues, claims, and situations using scientific methodology
- Develop a conceptual understanding of important topics in physics
- Explore the role of ethics in scientific research
- To understand the possibilities and limits of science and experimentation

Attendance and Grades:

There is no makeup work for any work that occurs during your absence from class. If you are absent then you get a zero for any work given that day, except for University-approved absences. *All laboratory work must be turned in on the day of the lab.* Some labs will have pre-lab assignments due at the beginning of class. Academic integrity is crucial to the scientific process. Any results you report must correspond to your actual measured data. Violations of academic integrity may result in a zero for the lab or dismissal from the course.

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.

Your grade is averaged over all of the work from this semester. 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:

This is a **tentative** schedule—*all dates and labs are subject to change.*

<u>School Week</u>	<u>Dates</u>	<u>Lab</u>
Week 1	Jan 16-20	<i>No lab (MLK Holiday)</i>
Week 2	Jan 23-27	Lab 1 – Circuits 1
Week 3	Jan 30-Feb 3	Lab 2 – Circuits 2
Week 4	Feb 6-10	Lab 3 – Circuits 3
Week 5	Feb 13-17	Lab 4 – Magnetic force
Week 6	Feb 20-24	Lab 5 – Electron mass
Week 7	Feb 27- Mar 2	Lab 6 – Optics 1 - Mirrors
Week 8	Mar 5-9	Lab Practical – Midterm Week
	Mar 12-16	SPRING BREAK
Week 9	Mar 19-23	Lab 7 – Optics 2 - Lenses
Week 10	Mar 26-30	Lab 8 – Optics 3
Week 11	Apr 2-6	Lab 9 – Wavelength of a laser
Week 12	Apr 9-13	Lab 10 – Atomic Spectroscopy
Week 13	Apr 16-20	Lab 11 – Nuclear 1
Week 14	Apr 23-27	Lab 12 – Nuclear 2
Week 15	Apr 30-May 4	Lab Practical