

PHY 3310 Course Information

Winter 2013

Lecture Time/Room: M 1:55-3:55
115 Physics

Lecturer: G. Lawes
391 Physics
577-2774
glawes@wayne.edu

Lab TA: Humeshkar Nemala

Office Hours: F: 11:00-12:00 (Lawes)

Required Text: *No required textbook.*

Grade Determination:

Computer labs (2)	20%
Laboratory reports (7)	70%
Participation	10%

Grading Scale: A: 90%-100%, A-: 85-89%, B+: 80-84%, B: 75-79%, B-: 70-74%, C+: 65-69%, C: 60-64%, C-: 55-59%, D+: 50-54%, D: 45-49%, D-: 40-44%, F: 0-39%

Exams

There will be no exams in this course.

Labs

The laboratories will be done in groups of 2 or 3 students. It is important for all students to participate in all different aspects of the experiment. Make sure to alternate data recording and measuring responsibilities so everyone gets a chance to try both.

Lab reports

Lab reports must be turned in for each laboratory. These will be due by 5:00 PM on the Monday following the completion of the lab. These lab reports represent an individual effort; each student must submit a lab report prepared independently. Lab reports must include a discussion of experimental errors and all measured values must include the estimated uncertainty. More information on lab reports can be found in the write-up posted on Blackboard.

In-class policies

Out of consideration for the other students in the lecture please abide by the following rules of conduct: (1) Turn off all cell phones while in lab, (2) Please arrive on time for lab, (3) Please be mindful of your classmates.

Academic dishonesty

All of the graded assignments are designed to measure your individual understanding of the material. No forms of cheating on these graded assignments will be. Anyone found cheating on any graded activity will receive a grade of zero for that part of their grade, and may receive a failing grade for the course. *Students who plagiarize their lab reports will receive a failing grade for the course.*

Pre-requisites and co-requisites

This course requires PHY2180/2185 and includes PHY3300 as a co-requisite.

Students with disabilities

If you have any impairment that may interfere with your ability to successfully complete the requirements of this course, or you require additional resources in lectures or during exams, please contact the Education Accessibility Services (EAS) in Room 583 of the Student Center Building to discuss appropriate accommodations on a confidential basis. EAS can also be reached by phone at 313-577-1851.

Withdrawal

The last day to withdraw from courses during the Winter 2013 semester is Saturday, March 23rd. After this deadline, there is no possibility to withdraw from a course.

Laboratory Schedule

(subject to change)

DATE

January 7th
January 14th
January 21st
January 28th
Feb 4th
Feb 11th
Feb 18th
Feb 25th
March 4th
March 11th
March 18th
March 25th
April 1st
April 8th
April 15th

LABORATORY

Computer Lab 1
Michelson interferometer
UNIVERSITY CLOSED
Stefan-Boltzmann
NO LAB
Photoelectric effect
Franck-Hertz experiment
Electron diffraction
NO LAB
UNIVERSITY CLOSED
Computer Lab 2
Spectroscopy
Nuclear Decay
NO LAB
NO LAB