

PHYS 1420 (section 53): General Physics Laboratory
Syllabus for Spring 2010, W 2:30-5:25 pm

Instructor: Dr. Wayne Keith: 793-3874, keith.wayne@mcm.edu
Office Hours: S 110-C: MWF 1-2, R 11-12 and 2:30-5:30, and F 10-12 and 1-2
Web: <http://www.mcm.edu/~keith.wayne>
Text: Online lab handouts
Required: scientific calculator, paper, pencil, computer

Lab Description: This laboratory course is intended to compliment the General Physics lecture by giving the student real-world hands-on experience with the phenomena discussed in class. Typed lab write-ups will be required for all labs. See guidelines in lab manual for details about lab reports.

Lab Goal: Acquaint the student with scientific laboratory techniques and emphasize the underlying physical principles of physics.

Grading: Your final grade (20% of the lecture grade) will be determined by a weighted average of your individual lab grades, according to the point totals shown below. One grade will be dropped at the end of the semester.

Attendance/Make up policy: Failing to attend the lab meeting and/or not submitting a lab write up on time will result in a zero for the lab. If you cannot make a lab meeting, contact the instructor to see if you qualify to make it up at another lab meeting during the same week.

Phys1420 Lab Schedule

Date	Lab Number	Lab Name	Points
1/13		No Lab	
1/20	1	Speed of Sound	100
1/27	2	Ideal Gas Law	100
2/3	3	Temperature and the Law of Cooling	100
2/10	4	Thermal Expansion	100
2/17	5	Latent Heat	100
2/24		Oral presentations of Lab 5	100
3/3	6	Electrostatic Potential and Electrostatic Field	100
3/10	7	Ohm's Law of Resistance to Current	100
3/17		No Lab	
3/24	8	Capacitors	100
3/31	9	Magnetic Field of the Earth	100
4/7	10	Peer Review of Lab 9	100
4/14		No Lab	
4/21	11	Simple Lenses	100
4/28	12	Wavelength of Light	100
5/5		No Lab	