

PHYS 1420 (all sections): General Physics Laboratory
Syllabus for Spring 2008, M 2:30-5:25 pm
W 2:30-5:25 pm

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

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 week.

Phys1420 Lab Schedule

Week	Lab Number	Lab Name	Points
1/14-1/18		No Lab	
1/21-1/25	1	Speed of Sound	100
1/28-2/1	2	Thermal Expansion	100
2/4-2/8	3	Temperature and the Law of Cooling	100
2/11-2/15	4	Specific Heat and Latent Heat	100
2/18-12/22		No Lab	
2/25-2/29		Oral presentations of Lab 4	100
3/3-3/7	5	Electrostatic Potential and Electrostatic Field	100
3/10-3/14	6	Ohm's Law of Resistance to Current	100
3/17-3/21		No Lab	
3/24-3/28		No Lab	
3/31-4/4	7	Capacitors	100
4/7-4/11	8	Magnetic Field of the Earth, Tangent Galvanometer	100
4/14-4/18	9	Index of Refraction	100
4/21-4/25	10	Simple Lenses	100
4/28-5/2	11	Wavelength of Light	100
5/5-5/9		No Lab	