

Physics 308 Syllabus

Physics 308 Intermediate Laboratory, 2015 Spring Semester: E&M, Optics and Gravity

Prof. Marshall Onellion, 5103 Chamberlin, 263-6829, onellion@wisc.edu

Mr. Dahan Kim, dkim363@wisc.edu

Mr. Chris Yip, yip4@wisc.edu

Mr. Eric Poppenheimer, poppenheimer@wisc.edu

Week	Date	Laboratory Team (2 students)					
		1	2	3	4	5	6
1	Jan. 19-23	Laboratory Introduction					
2	Jan. 26-30	A	A	A	C	C	C
3	2/2-2/6	C	C	C	A	A	A
4	2/9- 2/13	B	B	B	G	G	G
5	2/16- 2/20	D	D	D	G	G	G
6	2/23- 2/27	G	G	G	D	D	D
7	3/2- 3/6	G	G	G	B	B	B
8	3/9- 3/13	E	E	E	I	I	I
9	3/16- 3/20	E	E	E	I	I	I
10	3/23- 3/27	I	I	I	E	E	E
11	3/30- 4/2	spring break					
12	4/6- 4/10	I	I	I	E	E	E
13	4/13- 4/17	F	F	F	H	H	H
14	4/20- 4/24	F	F	F	H	H	H
15	4/27- 5/1	H	H	H	F	F	F
16	5/4- 5/8	H	H	H	F	F	F
17	5/11- 5/15	Make- Up					

In the first week, the topics of Labs. A and C will be covered in lecture and demonstration laboratory reports will be covered in laboratory.

Laboratory Name

A	LRC Resonance
B	Electric Fields of Planes and Cylinders
C	Helmholtz Coil
D	Field of a Magnetic Dipole
E	Fraunhofer and Fresnel Diffraction
F	Grating Spectrometer
G	Michelson Interferometer
H	Fabry-Perot Interferometer
I	Cavendish Experiment

Laboratory books are due on the Friday of the week you finish an experiment.