

**Physics 307 -Intermediate Laboratory - Fall 2015**

Prof. J. E. Lawler 1334 Chamb. Hall 262-2918 jelawler@wisc.edu	Mr. Diptaranjan Das 4338 Chamb. Hall 960-0534 diptaranjan@gmail.com	Mr. Jiarui Gong 2302 Chamb. Hall 263-2449 jgong26@wisc.edu	Mr. Dahan Kim 5246 Chamb. Hall (207) 299-7551 dkim363@wisc.edu	Mr. Sida Lu 5212 Chamb. Hall 265-6671 slu57@wisc.edu
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**Note: Lab Weeks begin on Tuesday and end on Monday . Tuesday & Wednesday students (with an additional lab period) may do experiment 2 for Extra Credit. Monday & Thursday students may do experiment 2 during the Make-up periods.**

<u>Week</u>	<u>Begins on</u>	<u>Group I</u>	<u>Group II</u>
1	8 Sept.	1: Introduction	7
2	15 Sept.	1	7
3	22 Sept.	3	4
4	29 Sept.	3	4
5	6 Oct.	5	6
6	13 Oct.	5	6
7	20 Oct.	6	1
8	27 Oct.	6	1
9	3 Nov.	4	3
10	10 Nov.	4	3
11	17 Nov.	7	5
12	24 Nov.	7	5
13	1 Dec.	7(or 2)	5 (or 2)
14	8 Dec.	2: Made-ups	
15	15 Dec.(Tuesday only, last day)	Make-ups	2

<u>Number</u>	<u>Experiments</u>
1	Elements of Gamma-ray Counting and $\gamma$ -ray Spectroscopy
2	Frank-Hertz Experiment
3	Probability Distributions and Decay of Excited Quantum States
4	Photoelectric Effect
5	Attenuation of Gamma-rays in Matter
6	Planck's Law & Stefan-Boltzmann Law
7	X-Ray Diffraction in Crystals

**All Lab Make-ups must be completed and submitted by 5 pm Wednesday Dec. 16.**