PHYS 313 Junior Laboratory
Fall 2010 Lab Schedule

Each group will perform *four* of the following *nine* procedures.

Experiment 1	Measure G – the gravitational constant
Experiment 2	Measure h - Planck's constant
Experiment 3	Perform the Franck-Hertz Experiment (1913, Nobel Prize 1926)
Experiment 4	Find the Ratio of Charge to Mass for the Electron
Experiment 5	Measure the Speed of Light
Experiment 6	Measure the Coulomb Constant
Experiment 7	Measure h/e
Experiment 8	Perform the Millikan Oil Drop (1911, Nobel Prize 1923)
Experiment 9	Interferometry: use an interferometer to make a precise measurement of your choice

G1 – Jones, Tsai
G2 - Edgley, Lundeen
G3 - Downer, Chandry
G4 - Brenner, Duffin

Experiment dates: You must perform your four experiments during each of the following time frames.

8/23 – 9/16	G1: E1, G2: E2, G3: E3, G4: E4
9/17 – 10/7	G1: E8, G2: E3, G3: E4, G4: E5
10/8 – 10/28	G1: E3, G2: E4, G3: E5, G4: E6
10/29 – 11/18	G1: E4, G2: E5, G3: E9, G4: E8

Lab Reports: Lab reports must be attached (MSWORD .doc format) to an email sent to: hackmart@physics.isu.edu. All lab reports are due by 9 a.m. on the due date.

9/23
10/14
11/04
12/02

Paper Due: September 8, 9:00 a.m.

Lab Notebooks Due: 12/02, 9:00 a.m.

Final Exam: tba