

## Schedule for the Physics 2BL - Winter 2006

**Lectures take place from 5:00 to 5:50 PM in 2001 Warren Lecture Hall**

<b>Week</b>	<b>Exp.</b>	<b>Date</b>	<b>Nominal Lecture Topic</b>	<b>Assignment</b> (Due in laboratory section)
1		9 Jan	Measurements and Variability Propagation of Errors	<b>Taylor:</b> Skim chaps 1 & 2 and read chap 3.
2	1	16 Jan Holiday		<b>Taylor:</b> Hand in probs 3.10 & 3.28. (Optional: Probs 3.36 & 3.41) <b>Lab:</b> Complete proposal for Exp. 1.
3		23 Jan	The Skinny on Experiment 1 (Deduce mean density of Earth) Statistical Analysis, Histograms and Distributions	<b>Taylor:</b> Hand in probs 4.18 & 4.26; read chap 4. (Optional: Probs 4.6 & 4.14) <b>Lab:</b> Hand in report on Exp. 1.
4	2	30 Jan	The Gaussian Distribution The Skinny on Experiment 2 (Deduction of mass distributions)	<b>Taylor:</b> Hand in probs 5.20 & 5.36. read chaps 5 & 6. (Optional: Probs 5.2 & 5.6) <b>Lab:</b> Complete proposal for Exp. 2.
5		6 Feb	Rejection of Data, Weighted Averages, and Least Squares Fitting	<b>Taylor:</b> Hand in prob 7.2; read chaps 7 to 9. (Optional: Prob 6.4) <b>Lab:</b> Hand in report on Exp. 2.
6	3	13 Feb	The Skinny on Experiment 3 (Design a shock absorber)	<b>Taylor:</b> Hand in prob 8.10; read chap 12. (Optional: Probs 8.6 & 8.24) <b>Lab:</b> Complete proposal for Exp. 3.
7		20 Feb Holiday		<b>Lab:</b> Hand in report on Exp. 3.
8	4	27 Feb	The Skinny on Experiment 4 (Calibrate a voltmeter)	<b>Lab:</b> Complete proposal for Exp. 4.
9		6 March	Covariance and Correlation, $\chi^2$ Test for a Distribution	<b>Taylor:</b> Hand in probs 9.14 & 12.3 (Optional: Prob 12.14) <b>Lab:</b> Hand in report on Exp. 4.
10		13 March	final	