

# Intermediate Laboratory - PHYX 3870

## ASSIGNMENT SHEET

*Fall 2015*

Week	Lecture	Reading	Problems in Taylor	Assignments Deadlines
1 (8/31/15 to 9/4/15)	Introduction Experiment Design	Baird, Ch. 5 AIP Style Manual: pp. 1-30 Taylor: Preface	HW#1: Baird: 5.7,5.15, 5.18, 5.23 (problems posted on web)	
	Error Analysis Uncertainty Error Propagation	Taylor: Ch. 1 & 2 Taylor: Ch. 3	HW#1: 2.2, 2.3, 2.8, 2.9, 2.17, 2.19, 2.24, 2.26,2.28	
2 (9/7/15 to 9/11/15 )	<b>(Memorial Day No Class on Mon. 9/7)</b>			Problem Set 1 due 9/9/15
	Statistical Analysis Distributions Rejection of Data	Taylor: Chs. 4, 5 & 6	HW#2: 3.3, 3.4, 3.7, 3.11, 3.18, 3.40, 3.46	Experiments selected 9/9/15 Preview meetings
3 (9/14/15 to 9/18/15)	Linear Regression	Taylor: Chs. 7 & 8	HW#2: 4.5, 4.9, 4.13, 4.17, 4.23, 4.28, 5.4, 5.12, 5.15, 5.35, 6.2	Preview meetings
	<b>Experiment 1</b> 9/16/15 to 10/14/15			Problem Set 2 due 9/16/15 Preview meetings
4 (9/21/15 to 9/25/15)	Nonlinear Regression Chi Squared Tests	Taylor: Ch. 9 & 12	HW#3: 8.2, 8.7, 8.20, 8.24, 8.25, 9.9, 9.15	Preview meetings
	<b>Experiment 1</b> 9/16/15 to 10/14/15			
5 (9/28 to 10/2/15)	Lecture: Report Writing and Lab Software	Taylor: Ch. 12	HW#4: 12.2, 12.7, Data Analysis Exercise, Lit. Search Exercise	Problem Set 3 due 9/28
	<b>Experiment 1</b> 9/16/15 to 10/14/15			
6 (10/5/ to 10/9/15)	<b>Experiment 1</b> 9/16/15 to 10/14/15			Problem Set 4 Due 10/5
7 (10/12 to 10/16/15)	<b>Experiment 1</b> 9/16/15 to 10/14/15	<b>4Corners Meeting</b> <b>10/16-17/15</b>		Exp. 1 Due 10/19/15
8 (10/19 to 10/23/15)	<b>Experiment 2</b>	10/19/15 to 11/9/15		
9 (10/26 to 10/30/15)	<b>Experiment 2</b>	10/19/15 to 11/9/15		
10 (11/2 to 11/6/15)	<b>Experiment 2</b>	10/19/15 to 11/9/15		
11 (11/9 to 11/13/15)	<b>Experiment 2</b>	10/19/15 to 11/9/15		Exp. 2 Due 11/11/15
	<b>Experiment 3</b>	11/11/15 to 12/7/15		Final day for 1 <sup>st</sup> lab revisions 11/18/15
12 (11/16 to 11/20/15)	<b>Experiment 3</b>	11/11/15 to 12/7/15		<b>All Work Due 12/11/15</b>
13 (11/23 to 11/27)	<b>(Thanksgiving Break No class 11/25/15 to 11/29/15)</b>			<b>NO EXCEPTIONS!!!</b>
14 (11/30 to 12/4)	<b>Experiment 3</b>	11/11/15 to 12/7/15		<b>THIS MEANS YOU!!!</b>
15 (12/7 to 12/11)	<b>Experiment 3</b>	11/11/15 to 12/7/15		
	Final Oral Presentation			12/9/15