Assignment Sheet **Math 115 Elementary Statistics** **Text: *Elementary Statistics*, 4th edition by Larson and Farber**	

Course Compass code for summer 2009 is farber40903.

Do odd problems listed below (in text), then do CourseCompass homework (click on the homework tab in CourseCompass.) These CourseCompass problems will graded and counted as the average of all online CourseCompass homework. The CourseCompass homework will be equal to one test.

Lesson	Section	Topic	Assignment (odds)
1	1.1	An Overview of Statistics	p. 8 #1-31
2	1.2	Data Classification	p.15 #1-23
3	1.3	Experimental Design	P.25 #1-25
4	2.1	Frequency Distributions and graphs	P. 49 #1-37
5	2.2	More Graphs	P. 62 # 1-17, 23, 25
6	2.3	Measures of Central Tendency	p.74 #1-51
7-8	2.4	Measures of Variation	P.92 #1-37
9	2.5	Measures of Position	P.109 #1-39
10		Review	
11		**TEST 1 in Testing Center**	
12	3.1	Basic Concepts of Probability	p.142 #1-40
13	3.2	Conditional Probability and Multiplication Rule	p.154 #1-25
14	3.3	The Addition Rule	p.165 #1-25
15	3.4	Additional Topics in Probability and Counting (Optional)	p.178 #1-39,49,51
16	4.1	Probability Distributions	p.201 #1-39
17	4.2	Binomial Distributions	p.215 #1-25
18	4.3	More Discrete Probability Distributions (Optional)	p.226 #1-21
19		Review	
20		**TEST 2 online**	
21	5.1	Introduction to Normal Distributions and the Standard Normal Distribution	p.248 #1-19,21,25,31,35,39,41,43,49,51,55,59,61
22	5.2	Normal Distribution – Finding Probabilities	p.256 #1-11, 13, 17, 21, 23, 29
23	5.3	Normal Distribution – Finding Values	p.266 #1-45
24	5.4	Sampling Distributions and the Central Limit Theorem	p.278 #1-7,11,13,17,19, 21,25,29,31,33
25	5.5	Normal Approximation to the Binomial	p.291 #1-25
26		Review	
27		**TEST 3 onine**	
28	6.1	Confidence Intervals for the Mean (Large Samples)	p.317 #1-45, 49,51,55,59,65

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29	6.2	Confidence Intervals for the Mean (Small Samples)	p.330 #1-25
30	6.3	Confidence Interval for Population Proportion	p.339 #1-27
31	**6.4**	**Confidence Interval for Variance and Standard Deviation (Optional)**	**p.348 #1-15**
32	7.1	Introduction to Hypothesis Testing	p.375 #1-27,29,33,35,39,41,43,49
33	7.2	Hypothesis Testing for Mean (Large Samples)	p.389 #1-54
34	7.3	Hypothesis Testing for Mean (Small Samples)	p.403 #1-21,23,27,31
35	7.4	Hypothesis Testing for Proportions	p.411 #1-15
36	7.5	Hypothesis Testing for Variance and Standard Deviation (Optional)	p.420 #1-23
37		Review	
38		**TEST 4 Testing Center**	
39	8.1	Testing the Difference between Two Means (Large Samples)	p.444 #1-25
40	8.2	Testing the Difference between Two Means (Small Samples)	p.456 #1-23
41	8.3	Testing the Difference between Two Means (Dependent Sample)s (Optional)	p.466 #1-19
42	8.4	Testing the Difference between Two Proportions	p.475 #1-23
43	9.1	Correlation	p.507 #1-27
44	9.2	Linear Regression	p.517 #1-25
		Review	
		TEST 5 online	

You may use a formula sheet for your tests. A calculator is necessary. Recommended is TI83/84 since it performs many calculations that are time consuming.