Assignment Sheet
Math 115 Elementary Statistics

Text: *Elementary Statistics*, 5th edition by Larson and Farber

Lesson	Section	Topic	Assignment (odds)
1	1.1	An Overview of Statistics	p. 6 #1-43
2	1.2	Data Classification	p.13 #1-30
3	1.3	Experimental Design	P.23 #1-37
4	2.1	Frequency Distributions and their Graphs	P. 47 #1-43
5	2.2	More Graphs	P. 60 # 1-17, 23, 25
6	2.3	Measures of Central Tendency	p.72 #1-51
7-8	2.4	Measures of Variation	P.90 #1-41
9	2.5	Measures of Position	P.107 #1-49
10		Review	
11		**TEST 1**	
12	3.1	Basic Concepts of Probability	p.138 #1-45
13	3.2	Conditional Probability and Multiplication Rule	p.150 #1-31
14	3.3	The Addition Rule	p.161 #1-25
15	3.4	Additional Topics in Probability and Counting (Optional)	p.174 #1-45,53,55
16	4.1	Probability Distributions	p.197 #1-39
17	4.2	Binomial Distributions	p.211 #1-31
18	4.3	More Discrete Probability Distributions (Optional)	p.222 #1-21
19		Review	
20		**TEST 2**	
21	5.1	Introduction to Normal Distributions and the Standard Normal Distribution	p.244 #1-37,41,43,45,49,51,53,55,57
22	5.2	Normal Distribution – Finding Probabilities	p.252 #1-11, 13, 17, 21, 23, 29
23	5.3	Normal Distribution – Finding Values	p.262 #1-49
24	5.4	Sampling Distributions and the Central Limit Theorem	p.274 #1-7,11,13,17,19,21,25,29,31-35
25	5.5	Normal Approximation to the Binomial	p.287 #1-29
26		Review	
27		**TEST 3**	
28	6.1	Confidence Intervals for the Mean (Large Samples)	p.311 #1-45, 49,51,55,59,65
29	6.2	Confidence Intervals for the Mean (Small Samples)	p.323 #1-29
30	6.3	Confidence Interval for Population Proportion	p.336 #1-27

31	**6.4**	**Confidence Interval for Variance and Standard Deviation (Optional)**	**p.348 #1-17**
32	7.1	Introduction to Hypothesis Testing	p.367 #1-45
33	7.2	Hypothesis Testing for Mean (Large Samples)	p.381 #1-45
34	7.3	Hypothesis Testing for Mean (Small Samples)	p.393 #1-33
35	7.4	Hypothesis Testing for Proportions	p.401 #1-15
36	7.5	Hypothesis Testing for Variance and Standard Deviation (Optional)	p.410 #1-29
37		Review	
38		**TEST 4**	
39	8.1	Testing the Difference between Two Means (Large Samples)	p.434 #1-25
40	8.2	Testing the Difference between Two Means (Small Samples)	p.446 #1-23
41	8.3	Testing the Difference between Two Means (Dependent Samples)(Optional)	p.456 #1-19
42	8.4	Testing the Difference between Two Proportions	p.465 #1-23
43	9.1	Correlation	p.495 #1-27
44	9.2	Linear Regression	p.505 #1-25
45	10.1	Goodness-of-Fit	p.546 #1-17
46	10.2	Independence	p.557 #1-21
		Review	
		TEST 5	
		Papers are due the last day of class	