Math 115 Sequence of Topics

§	Topic	Assignment*
1.1	Statistical Thinking	5–35
1.2	Types of Data	1–31
1.3	Collecting Data	9–19
2.1	Frequency Distributions	11–23
2.2	Histograms	3–17
2.3	Other Graphs	5–21
3.1	Measures of Center	4, 5–23, 29–35, 39
3.2	Measures of Variation	5–19, 37–43
3.3	Measures of Relative Standing	5–31
4.1	Basic Probability	7, 13–35, 36
4.2	Addition and Multiplication Rules	3–27, 31, 32, 33
4.3	Conditional Probability	5–25
4.4	Counting	5–37
5.1	Probability Distributions	5–29
5.2	Binomial Distribution	5–41
5.3	Poisson Distribution	3–17
6.1	The Normal Distribution	5–49
6.2	Applications of the Normal Distribution	5–31
6.3	Sampling Distributions and Estimators	7, 9, 11
6.4	The Central Limit Theorem	5–19
7.1	Confidence Intervals for Proportions	9–27, 31–37 (use tables as in class)
7.2	Confidence Intervals for Means	9–23, 29–35 (use tables as in class)
7.3	Confidence Intervals for Variances	5–15, 19, 21 (use tables as in class)
8.1	Basics of Hypothesis Testing	Read only
8.2	Testing Proportions	9–31 (use tables as in class)
8.3	Testing Means	13–23 (use tables as in class)
9.1	Confidence Intervals for Proportion Differences	7–17, part (b) only
9.2	Testing Independent-Sample Mean Differences	5–19 (use tables as in class)
10.1	Correlation	13–25 (use tables as in class)
10.2	Linear Regression	5–9, 13-25

* All assigned problems are to be found in the 13th edition of *Elementary Statistics* by Mario Triola. Do odd-numbered exercises only unless otherwise indicated.