STAT 2601 & 2625 Coverage of Topics from Bluman's Book - 2018

Section	Topics	2601	2625
1-1~1.5	**Introduction & The Nature of Probability and Statistics**	3	4
2-1~2-4	**Frequency Distribution and Graphs**	3	4
	Data Description		
3-1	Measures of Central Tendency	1	1
3-2	Measures of Variation	1	2
3-3	Measures of Position	1	1
3-4	Exploratory Data Analysis	1	2
4-1~4-5	**Probability and Counting Rules**	3	4
5-1~5-3	**Discrete Probability Distributions**	2	3
6-1~6-4	**The Normal Distribution**	3	4
	Confidence Intervals and Sample Size		
7-1	Confidence Intervals for the Mean When σ is Known	1	1
7-2	Confidence Intervals for the Mean When σ is Unknown	1	2
7-3	Confidence Intervals and Sample Size for Proportions	1	2
	Hypothesis Testing		
8-1~8-2	Steps in Hypothesis Testing - Traditional Method & Z Test for a Mean	1	2
8-3	t Test for a Mean (9-3 can be mentioned here)	3	2
8-4 & 8-6	z test for a Proportion	1	2
10-1~10-3	**Correlation and Regression**	3	4
11-1~11-2	**Chi-Square and Analysis of Variance (ANOVA)**	3	4
	Subtotal of lecture hours	32	44
	Software lab hours	5	8
	Exam and review hours	6	6
	Total Hours	43	58

Optional Sections:

Two Samples t-tests (9-1 ~ 9-3) with the use of statistical software.
ANOVA (11-3) with the use of statistical software.

S2601 have around 45 lecture hours in total.
S2625 have around 60 lecture hours in total. If time permits, can cover two sample t-test (9-3) and