

**STT 265 SYLLABUS**  
**McClave and Sincich; Statistics , 11<sup>th</sup> Edition**

- Read the sections in the text before the lecture.
- The syllabus is designed for class sections that have three lectures per week.
- Sections with only two lectures per week need to cover material for “three classes/week”.
- The syllabus leaves a few classes for exams and other purposes.

Day	Section	Topic	Problems
1	7.1 7.2	Identifying the Target Parameter Large- Sample C.I. for a Popu. Mean	7.9, 7.10, 7.13, 7.18, 7.19, 7.21, 7.23
2	7.3	Small -Sample C.I. for a Popu. Mean	7.29, 7.31, 7.33, 7.37, 7.39, 7.40, 7.42
3	7.4	Large- Sample C.I. for a Popu. Proportion	7.47, 7.49, 7.53, 7.54, 7.58, 7.50
4	*	SUPPEMENTARY EXERCISES	7.83, 7.84, 7.94, 7.95, 7.96, 7.99, 7.103, 7.105
5	8.1	The Elements of Test of Hypothesis	8.8, 8.10, 8.15, 8.17
6	8.2	Large Sample Test of Hypo. of Popu. Mean	8.21, 8.23, 8.26, 8.27, 8.30, 8.31, 8.34
7	8.3	$p$ -Values	8.39, 8.42, 8.44, 8.45, 8.47, 8.48, 8.53
8	8.4	Small-Sample Test of Hypo. of Popu. Mean	8.57, 8.59, 8.60, 8.63, 8.65, 8.68, 8.69
9	8.5	Large –Sample Test for Popu. Proportion	8.75, 8.76, 8.78, 8.80, 8.82, 8.87, 8.89
10	*	SUPPEMENTARY EXERCISES	8.123, 8.124, 8.128, 8.129, 8.134, 8.135
11	9.1 9.2	Identifying the Target Parameter Comparing Two Popu.Means- Indep. Sampling	9.6, 9.9, 9.11, 9.12, 9.16, 9.20, 9.23, 9.25, 9.27
12	9.3	Paired Difference Experiments	9.33, 9.35, 9.37, 9.39, 9.41, 9.43, 9.46, 9.48
13	*	SUPPEMENTARY EXERCISES	9.106a,b, 9.111, 9.114, 9.116, 9.117, 9.122
14	10.1	Elements of a Designed Experiments	10.5, 10.7, 10.11
15	10.2	Completely Randomized Design	10.17, 10.19, 10.21, 10.23, 10.24, 10.27, 10.28, 10.31, 10.35
16	10.3	Multiple Comparisons	10.41, 10.45, 10.47, 10.50, 10.53,
17,18	10.5	Factorial Experiment	10.79, 10.82, 10.85, 10.88, 10.90
	*	SUPPEMENTARY EXERCISES	10.96, 10.106, 10.108
19	11.1 11.2	Probabilistic Models Fitting the Model: Least Squares Approach	11.8 11.14, 11.17, 11.19, 11.21, 11.24, 11.27, 11.29
20	11.3 11.4	Model Assumptions Inference about the Slope	11.36, 11.37, 11.40, 11.43, 11.46 11.52, 11.54, 11.57, 11.59, 11.60, 11.63
21	11.5 11.6	Coefficients of Correlation and Determination Estimation and Prediction	11.69, 11.72, 11.75, 11.77, 11.80, 11.11.85 11.91, 11.92, 11.96, 11.99, 11.101, 11.103,
22	11.7	A Complete Example	
	*	SUPPEMENTARY EXERCISES	11.104, 11.108, 11.113, 11.115, 11.120
23	13.1	* Introduction to Chi-Squared Distribution Categorical Data, Multinomial Distribution	
24	13.2,13.3	Contingency Tables	13.2, 13.5, 13.7, 13.10, 13.12, 13.13, 13.17
25	13.4	Caution About Chi-Squared Test	13.23, 13.25, 13.27, 13.29, 13.33, 13.37, 13.39
	*	SUPPEMENTARY EXERCISES	13.41, 13.44, 13.54, 13.56

Revised December 4, 2008