

Statistics 110 Tentative Schedule

Reference: Elementary Statistics; A Step by Step Approach, **Seventh** Edition, by Allan G. Bluman.

Instructional Week	Lecture (S.M.W)	Reading Materials	Class Materials		Assignments		Chapter Quiz
		Chapter-Section	Title	Examples	Section Exercises	Review Exercises	
0	Registration						
1	1		Introduction	Course syllabus & Book guided tour	Read Algebra Review App A	6 , 7 , 8 , 9 12 , 17, 18	All
		1-1	Descriptive and Inferential Statistics				
		1-2	Variables and Types of Data				
	2	1-3	Data Collection and Sampling Techniques				
		1-4	Observational and Experimental Studies				
		1-6	Computers and Calculators				
	3		Introduction			1 , 2 , 5 , 6 , 14 , 15 , 22	All
		2-1	Organizing Data	2-1, 2-2 , 2-3	3 , 4 , 5 , 6 , 10		
2	1	2-2	Histograms, Frequency Polygons, and Ogives	2-7	1 , 5 , 16		
	2	2-3	Other Types of Graphs	2-9, 2-10, 2-12, 2-13	3 , 6 , 12 , 14,15		
	3		Introduction				
		3-1	Measures of Central Tendency for Ungrouped Data	3-1, 3-2, 3-4, 3-6, 3-8, 3-9, 3-10, 3-11 3-15, 3-17	4 , 8 , 11 , 31 - 33		

3	1	3-2	Measures of Variation for Ungrouped Data	3-18, 3-19, 3-20, 3-21, 3-23, 3-25, 3-26	2 , 5 , 11 , 31	1 , 2 , 9 , 11 , 14 , 20 , 22 , 23	All EXCEPT 9 , 12 , 24 – 26 , 33 – 36
	2	3-3	Measures of Position(Standard Scores and Quartiles)	3-29, 3-30, 3-36, 3-37	15 , 30 , 31		
		3-4	Exploratory Data Analysis	3-39	2 , 7 , 11 , 17		
	3	Review					
4	1		Introduction			Chap. 10: 3, 4 , 5 Chap. 13: 10 , 11	Chap 10: 1 , 2 , 7 , 10 , 12-21
		10-1	Scatter Plots and Correlation	10-1, 10-2, 10-3, 10-4, 10-5	Chap. 10: 14 , 15 , 20,27		
	2	10-2	Regression	10-9 , 10-10, 10-11	Chap. 10: 14 , 16 , 22 , 28 , 33 , 35		
	3	13-6	The Spearman Rank Correlation Coefficient (no ties)	13-7	Chap. 13: 6 , 7 , 9 , 12 , 13		
5	1		Introduction			1 , 6 , 9 , 16 , 25, 29	All
		4-1	Sample Spaces and Probability	4-3, 4-4, 4-6, 4-8,4-9,4-10, 4-11, 4-13	10 , 11 , 17 , 21 , 29		
	2	4-2	The Addition Rules for Probability	4-15, 4-17,4-19, 4-21	2 , 4 , 5 , 7 , 9 , 17 , 25		
	3	4-3	The Multiplication Rules and Conditional Probability	4-25, 4-27, 4-28 4-29, 4-31, 4-32, 4-34	5 , 9 , 14 , 19 , 23 , 46 , 51		
6	1	4-4	Counting Rules	4-39, 4-42, 4-43, 4-44, 4-47, 4-49	1 , 5 , 12 , 19 , 23 , 33 , 37 , 40 , 45		
	2						
	3	4-5	Probability and Counting Rules	4-51, 4-52, 4-53, 4-54	2 , 3 , 6 , 7 , 11 , 12		
7	1		Introduction				
		5-1	Probability Distributions	5-2, 5-3, 5-4	6-11 , 12-18 , 28 , 30		
	2	5-2	Mean , Variance , Standard Deviation , and Expectation	5-6, 5-7, 5-8, 5-9, 5-10, 5-12, 5-13	1 , 2 , 10 , 11 , 18		
	3	5-3	The Binomial Distribution				

8	1	5-3	The Binomial Distribution	5-15, 5-16, 5-17 5-21, 5-22	1 , 5 , 13 , 17 , 20 , 27	1 , 2 , 3 , 8 , 15 , 17	All EXCEPT 19 , 20 , 25 -31
	2	Review					
	3		Introduction			4 , 8 , 9 , 11	All Except 16 , 29-34
6-1		Normal Distribution	6-1 to 6-5	26 , 29 , 30 , 32 , 35 , 37 , 38 , 41 , 43 , 46b , 47b , 48 , 49c			
9	1	6-1			Normal Distribution		
	2	6-2	Applications of the Normal Distribution	6-6 to 6-10	11, 13, 15-17 , 22 , 24 , 26 , 27 , 29 , 37 , 38		
	3	6-3	The Central Limit Theorem (Distribution of Sample Means)	6-13, 6-14, 6-15	8 , 11 , 14 , 16 , 21 , 22		
10	1		Introduction			2 , 8, 18 , 19	1 , 3 , 6 , 7 , 9-13 , 16 , 17 , 34
		8-1	Steps in Testing Hypotheses- Traditional Method	8-1, 8-2	12a , 12 c , 12f , 13		
	2	8-2	z Test for a Mean	8-3, 8-4 8-5, 8-6, 8-7	1, 2, 4, 8, 9, 12		
	3						
Final Examination TBA							

Notes:

- The first exam will include chapters 1, 2 and 3.
- The second exam will include chapters 4, 5, 10 and 13.
- The final exam will be comprehensive.
- The time of each exam will be determined by the Deanship of Admission & Registration.