

## Course Schedule (Tentative)

Lecture	Reading Materials (Chapter-Section)	Class Materials		Assignments		Chapter Quiz
		Title	Examples	Section Exercises	Review Exercises	
<b>Introduction</b>						
1.	1-1	Introduction	Course Syllabus & Book Guided Tour	Section (1-1): 10, 11, 14, 15, 16 Section (1-2): 5 to 16, 25 to 30 Section (1-3): 11 to 14 Section (1-4): 15 to 18, 19, 21, 22, 38, 39	Section (1-1): 1 to 8 Section (1-2): 9 to 34 Section (1-3): 39 to 43 Section (1-4): 45 to 52	All EXCEPT 3, 7, 9, 23(a), 25
	1-1	Descriptive and Inferential Statistics	1-1			
2.	1-2	Variables and Types of Data	1-2, 1-4			
3.	1-3	Data Collection and Sampling Techniques	1-5			
4.	1-4	Observational and Experimental Studies				
	1-5	Uses and Misuses of Statistics				
5.	2-1	Introduction	2-1, 2-2, 2-3	5 to 8, 9 to 12, 14, 19	1, 5, 13, 18, 20, 23	All EXCEPT 28
6.	2-1	Organizing Data				
7.	2-2	Histograms, Frequency Polygons, and Ogives	2-4, 2-5, 2-6, 2-7	3, 13, 19, 20		
8.	2-3	Other Types of Graphs	2-8, 2-9, 2-10, 2-11, 2-14	2, 7, 12, 17, 22		
9.	3-1	Introduction	3-1, 3-2, 3-4, 3-5, 3-6, 3-7, 3-8, 3-10, 3-12, 3-13, 3-14	2, 6, 25, 26, 29, 30	1, 6, 14, 19, 22, 25, 26	All EXCEPT 2, 9, 12, 17, 24, 27, 28, 29, 31
	3-1	Measures of Central Tendency for Ungrouped Data				
10.	3-2	Measures of Variation for Ungrouped Data	3-16, 3-18, 3-21, 3-23, 3-24	6, 27, 29		

## EXAM 1

11.	3-3	Measures of Position (Standard Scores and Quartiles)	3-27, 3-28, 3-34, 3-35, 3-36	13, 14, 16, 30		
12.	3-4	Exploratory Data Analysis	3-37, 3-38	5, 9, 12		
13.	10-1	Introduction			<b>Ch 10:</b> 5, 6  <b>Ch 13:</b> 10	<b>Ch 10:</b> 1, 2, 7, 10, 12 to 17, 19, 20
	10-1	Scatter Plots	10-1, 10-2, 10-3			
14.	10-1	Correlation	10-4, 10-5	<b>Ch 10:</b> 14, 15		
15.	13-6	The Spearman Rank Correlation Coefficient (no ties)	13-7	<b>Ch 13:</b> 8, 10		
16.	10-2	Regression	10-9, 10-10, 10-11	<b>Ch 10:</b> 14, 15, 33		
17.	4-1	Introduction			1, 9, 12, 16, 25, 28	<b>All EXCEPT</b> 23, 24, 29, 34, 38, 48, 49, 50
	4-1	Sample Spaces and Probability	4-1, 4-3, 4-4, 4-6, 4-8, 4-9, 4-10, 4-11, 4-12, 4-13, 4-14	10, 11, 12, 13, 14, 15, 21, 22, 25		
18.	4-2	The Addition Rules for Probability	4-15, 4-17, 4-18, 4-19, 4-21, 4-22	3, 4, 5, 9, 11, 13, 24		
19.	4-3	The Multiplication Rules and Conditional Probability	4-23, 4-25, 4-26, 4-27, 4-28, 4-29, 4-31, 4-32, 4-33, 4-34, 4-36, 4-37	1, 2, 3, 6, 8, 16, 20, 21, 27, 30, 35, 37, 41, 45, 47, 49, 51		
20.	4-4	Counting Rules	4-38, 4-39, 4-41, 4-42, 4-43, 4-44, 4-45, 4-46, 4-47, 4-48, 4-49	1, 2, 3, 12, 17, 19, 21, 23, 43, 59, 63		
21.						
22.	4-5	Probability and Counting Rules	4-51, 4-52, 4-54	3, 6, 7, 11(a,b,c), 12		

## Exam 2

23.	5-1	Introduction			1, 2, 3, 8, 16, 17	All <b>EXCEPT</b> 19, 20, 25 to 33
	5-1	Probability Distributions	5-1, 5-2, 5-3, 5-4	7 to 12, 13 to 18, 21, 26		
24.	5-2	Mean, Variance, Standard Deviation, and Expectation	5-5, 5-6, 5-7, 5-8, 5-9, 5-10, 5-12, 5-13	1, 2, 10, 15, 18, 20		
25.	5-3	The Binomial Distribution	5-15, 5-16, 5-17, 5-18, 5-22, 5-23	1,2, 8, 14, 15, 22, 24, 30		
26.	5-3	The Mean and Variance for the Binomial Distribution				
27.	6-1	Introduction Normal Distributions			5, 6, 9, 16	All <b>EXCEPT</b> 16, 17, 29 to 34
28.	6-1	The Standard Normal Distribution	6-1, 6-2, 6-3, 6-4, 6-5	8, 12, 18, 20, 22, 24, 28, 34, 35, 40, 41, 42, 43, 44, 45, 46, 47(b), 48(b), 49(c), 50		
29.	6-2	Applications of the Normal Distribution	6-6, 6-7, 6-8, 6-9, 6-10	5, 8, 15(a,b), 19, 22, 24, 26, 36		
30.						
31.	6-3	The Central Limit Theorem (Distribution of Sample Means)	6-13, 6-14, 6-15	8, 15, 16, 18, 22, 23		
<b>Final Exam</b>						