

Lesson	Date	Day	Unit	Lesson Objective	Resource Materials - Texts, etc.	Homework and Daily Assignments	Graded Assessments, Applications & Computer Projects	REM
	8/21/17	Mon						1/2 day for Freshman
1	8/22/17	Tue				None		1st full day freshmen only - class expectations, policies, receive texts
2	8/23/17	Wed	<b>Class Intro</b>	Introduce Students to Course, checkout texts, class rules, etc.	teacher materials	Study text Sec 1-1 and 1-2	Get Notebooks Prepared	
3	8/24/17	Thu	<b>Intro to Statistics</b>	Study Types of Data	Text Sec 1-1 and 1-2	Text pages 10-11; All odd problems	None	1st day - all students - class expectations, policies, receive texts
4	8/25/17	Fri		Study Critical Thinking, Review Greek letters	Text Sec 1-3	Text pages 18-21: complete problems 1,5,7,11,15,19,22,23,24	Practice boards	Submit Prob 22 and 24 for grade next class
5	8/28/17	Mon		Introduction to Excel Computer Labs (Basic Graphing Lab)	teacher materials	Receive and begin work on Computer Lab 1		1st computer Lab! We love Excel.
6	8/29/17	Tue		Study Critical Thinking, Review Greek letters	Text Sec 1-4	Continued from Class 3	Practice boards	
7	8/30/17	Wed		Study Design of Experiments	Text Sec 1-4	Text Pages 31-33: complete problems 26-30 (all)	Receive EXPERIMENTAL DESIGN PROJECT; Practice boards	
8	8/31/17	Thu		Chapter 1 Review and more	Text pages 24-36	Text page 35: problems 4,5,6,7; Text page 36: problems 1-9 (all)	Submit problems 26-30 on page 33 for grade. Practice boards	Chapter 1 Exam to be given with Chapter 2 Exam
9	9/1/17	Fri		Intro to Frequency Distributions	Lecture Section 2-1	Text pages 49-51; problems 5,7,11,15, 16,18, 21, 23, 26	Practice boards	
	9/4/17	Mon						Labor Day
10	9/5/17	Tue	<b>Frequency Distributions and Histograms</b>	Frequency Distributions	Lecture Section 2-2	Text pages 49-51; finish problems 5,7,11,15, 16,18, 21, 23, 26; submit problem # 26 for grade		
11	9/6/17	Wed		Study Histograms	Lecture Sec 2-3	Text pages 55-56; complete problems 10, 15, 17, 19, 20; Submit problem 19 for grade.	Submit problem 26, page 51; Graded Boards, Greek letter quiz	
12	9/7/17	Thu		Study Types of Statistical Graphs	Lecture Sec 2-4	Text pages 67-68; complete problems 11,13,15,17,19,20, 21-24(all)	Submit problem 19 page 56 for grade. Graded boards	
13	9/8/17	Fri		Chapter 1 and 2 Review	Chapter 1 and 2	Complete problems 1, 4, 6 in Review Exercises on text pages 69,70 for attachment to test	Graded Boards	Visit <a href="http://www.markeredwards.com">www.markeredwards.com</a> to view examples of previous exams.
14	9/11/17	Mon		Introduction to Excel Computer Labs (Basic Graphing Lab)	teacher materials	Receive and begin work on Computer Lab 1	Turn in Chapter 1-2 take home exam	1st computer Lab! We love Excel.
15	9/12/17	Tue		Chapter 1 and 2 Exam	Chapter 1 and 2	Read text Sec 3-1 and 3-2	Chapter 1 and 2 Exam; in class multiple choice and take home (show your work) over weekend.	
16	9/13/17	Wed		Study Measures of the Central Tendency	Lecture Sec 3-1 and 3-2	Text pages 87-90: complete problems 5,6,13,14,18,19,23, 26; Submit problem 26 for grade.		delayed start
17	9/14/17	Thu		Study beyond the basics - degrees of freedom + different types of measures of the central tendency	Text pages 90-91	Text page 91: complete problems 30, 33,34,35	Submit problem 26, page 90 for grade; Graded boards.	
18	9/15/17	Fri	<b>Measures of Distributions</b>	Study MEASURES OF VARIATION - Part 1	Lecture Sec 3-3	Text pages 105-106: complete problems 5,7,10,12, 14	Graded Boards	
19	9/18/17	Mon		Computer Lab 2	teacher materials	teacher material	none	
20	9/19/17	Tue		Study MEASURES OF VARIATION - Part 2	Lecture Sec 3-3	Text pages 107-108; complete problems 25 - 28 (all); submit problems 26 and 28 for grade	Graded Boards	
21	9/20/17	Wed		Study MEASURES OF RELATIVE STANDING - THE Z CURVE with applications	Lecture with examples for text Section 3-4	Text pages 117-118; complete problems 5-11 (odds), 12, 14, 15, 16, 20, 24	Graded Boards	

22	9/21/17	Thu	Study EDA (Exploratory Data Analysis) to include outliers, box/whiskers plots, and quartiles.	Lecture text Section 3-4	text page 128: complete problems 5, 6, 7, 8, 12	Graded Boards on homework then QUIZ on Z curve application	
23	9/22/17	Fri	Chapter 3 Review	teacher review	text page 131: complete problems 1-8 (all). Attach to next day's in class test for grade.	Graded Boards	Complete homework and STUDY FOR TEST NEXT DAY!
24	9/25/17	Mon	Computer Lab 2	teacher materials	teacher material	none	
25	9/26/17	Tue	Chapter 3 Test	All Chapter 3	none	Chapter 3 Test: In class multiple choice exam, take home exam over weekend	
26	9/27/17	Wed	Study probability fundamentals (probability, odds, compliments, law of large numbers, etc.) - PART 1	Lecture text Sections 4-1 and 4-2	text pages 147-148; complete problems 7,9,11,13,15,18	none	
27	9/28/17	Thu	Study Probability - PART 2	Discussion text Sec 4-2	text pages 149-150; complete problems: 23,25, 31	Graded Boards	
28	9/29/17	Fri	Study the Addition Rule of probability	Text Section 4-3	text pages 156-157; complete text problems: 5,7,8,9,10,13-20 (all)	Graded Boards; Quiz on Problem 32, page 150	
29	10/2/17	Mon	Begin Computer Lab 3 (Die, Dice, Dart)	teacher materials	Read text Sec 4-5	none	Computer Lab 2 DUE
30	10/3/17	Tue	Study the Multiplication Rule basics for independent events - Part 1	Text Section 4-4	text pages 165-168; complete problems 6,9,11,13,15, 17-20 (all)	Graded Boards	
31	10/4/17	Wed	Study the Multiplication Rule basics - Part 2 - CONDITIONAL PROBABILITY	Text Section 4-5	text pages 172-173; complete problems: 5, 7, 9, 11, 12, 14, 17, 18, 20, 21-24 (all)	Graded Boards	KNOW CONDITIONAL PROBABILITY
32	10/5/17	Thu	Study the use of Simulation to solve analytical problems numerically via Excel	Text Section 4-6, EXCEL and StatDisk from Triola (download from his website)	Read text Section 4-7	Graded Boards	Simulation is how probability problems are REALLY solved.
33	10/6/17	Fri	Study Counting - Part 1 (factorial, permutations, combinations, and more)	Text Section 4-7	text pages 186-188; complete problems: 7,9,15,19-25 (odds), 27	none	
34	10/9/17	Mon	Continue Computer Lab 3 (Die, Dice, Dart)	teacher materials	Read text Section 5-3	Chapter 4 take home test DUE	
35	10/10/17	Tue	Study Counting - Part 2	Text Section 4-7	text pages 188-189; complete problems 30,31,32, 34-39 (all)	Graded Boards	
36	10/11/17	Wed	Chapter 4 Exam on Probability	All Chapter 4 except for Sec 4-8 on Bayes Theorem	Read Text Sections 5-1 and 5-2	In class multiple choice exam with take home exam (show work)	
37	10/12/17	Thu	Learn Discrete Distributions by studying Random variables	Lecture text Section 5-1 and 5-2	text pages 210-213; complete problems: 3,5,7,13,16 (all), 19, 26, 27. <b>Problems 19, 26, 27 will be graded</b>	none	
38	10/13/17	Fri	Study/Learn the BIONOMIAL probability distribution - Part 1	Lecture Text Section 5-3	text pages 221-222; complete problems: 5-13 (all), 17,18,21,23,25,27,	Turn in problems 19, 26, 27 from Section 5-2; Graded Boards	End 1st Quarter
	10/16/17	Mon					NO SCHOOL - Flex Day
	10/17/17	Tue					NO SCHOOL - Training
39	10/18/17	Wed	Continue study of the Binomial probability distribution - Part 2	Lecture Text Section 5-3	text pages 223-224; complete problems 30,31, 33,34,35, and 39 (hypergeometric dist.)	Graded Boards	Start 2nd Quarter
40	10/19/17	Thu	Study the Binomial mean, variance, and SD	Lecture Text Section 5-4	text pages 227-229; complete problems: 5-9 (all), 11, 13, 15,18, 19	Graded Boards	
41	10/20/17	Fri	Study the Binomial mean, variance, and SD (MORE)	Lecture Text Section 5-4	text pages 227-229; complete problems: 5-9 (all), 11, 13, 15,18, 19	Graded Boards	
42	10/23/17	Mon	Computer Lab 4 (Football Player Lab)	teacher problem statement		none	
43	10/24/17	Tue					
44	10/25/17	Wed	Study the Poisson Distribution	Lecture Text Section 5-5	text pages 234-235; complete problems: 5-14 (all)	Graded Boards	
45	10/26/17	Thu	Chapter 5 Review	teacher review	Chapter 5 Review Exercises pages 237-238: complete problems 1, 2, 4 and attach to in class test.	Graded Boards on Sec 5-5.	Study for Ch. 5 Exam

Probability

Discrete Distributions (Discrete, Binomial, and Poisson)

46	10/27/17	Fri		Chapter 5 Exam	All Chapter 5	Study text Section 6-1 and 6-2	In class multiple choice exam with take home exam (show work)		
47	10/30/17	Mon		Computer Lab 4 (Football Player Lab)	teacher problem statement	read/study text Section 6-4. Study for Quiz on problem 24, page 268	none	Chapter 5 Take Home Exam due	
48	10/31/17	Tue	Sampling Theory and The Central Limit Theorem	Begin the study of the Gaussian (normal) probability distribution	Lecture text Section 6-2	text pages 258-259; complete problems: 17, 23, 33, 35, 37, 39, 41, 43, 45	none		
49	11/1/17	Wed		Applications of the normal curve (back to the Z curve)	Lecture text Section 6-3	text pages 266-268; complete problems 5, 7, 9, 11, 12, 14, 18, 19, 20, 21, 22	Graded Boards; Quiz on problem like # 45, page 259		
50	11/2/17	Thu		Begin study of Central Limit Theorem (sampling distributions and estimators)	Discussion/lecture text Section 6-4	None	Quiz on problem # 24, page 268		
51	11/3/17	Fri		Study of Central limit Theorem (Standard Error of the Mean - SEM)	Lecture text Section 6-5	text pages 287-290; complete problems: 5, 7, 9, 11, 13, 15, 17, 20	Turn in problems 17 and 20 for grade		
52	11/6/17	Mon		Continue Computer Lab 4	teacher materials	Read Sec 6-4	none		
53	11/7/17	Tue		Approximating the Normal to the Binomial distribution	Lecture/demonstration text Section 6-6	text pages 299-301; complete problems: 7-19 (odds), 23, 24, 25, 31, 32	Graded Boards		
54	11/8/17	Wed							
55	11/9/17	Thu							
56	11/10/17	Fri							
57	11/13/17	Mon			Finish Computer Lab 4	teacher materials	Read Sec 6-7	none	
58	11/14/17	Tue			Chapter 6 Review	All Chapter 6 - Central Limit Theorem	complete review ALL Chapter 6 exercises on pages 311-312; attach to test next day	Graded Boards	
59	11/15/17	Wed			Chapter 6 Test	All Chapter 6	Read text Section 7-1, -2	Chapter 6 in class multiple choice test	
60	11/16/17	Thu		Confident Interval Estimates and Sample Sizes	Study Sec 7-1 and 7-2 - Confidence intervals	Sec 7-2	text pages 333-334; complete problems: 9, 11, 13, 17, 19, 20, 21, 23, 25, 28, 31, 35	Graded Boards	
61	11/17/17	Fri	Sec 7-2 Continued - Estimating a Population Proportion		Sec 7-2	text pages 335-336; complete problems: 37, 38, 43, 44, 45-48 (all)	Graded Boards		
11/20-24/2017									NO School - release time for PT conf
Thanksgiving Week									
62	11/27/17	Mon	Computer in lab simulation exam		teacher materials	Study Sec 7-3	90 minute in lab simulation - no collaboration		
63	11/28/17	Tue	Sec 7-2 Continued - Estimating a Population Proportion (more)		Sec 7-2	text pages 337; complete problems: 49-53 (all)	Graded Boards		
64	11/29/17	Wed	Study estimating a population mean (population SD known)		Sec 7-3	text pages 346-347; complete problems: 9, 11, 13, 15, 17, 21, 27, 28, 29	Graded Boards		
65	11/30/17	Thu	CONTINUE Study estimating a population mean (population SD known)		Sec 7-3	text page 348: complete problems 33-36 (all)	Graded Boards		
66	12/1/17	Fri	Study estimating a population mean (population SD NOT known)		Sec 7-4	text pages 359-360; complete problems: 5-19 (odds), and 20	Graded Boards		
67	12/4/17	Mon	Computer Lab 5 - The Trucking Simulation lab		teacher materials	study Sec 7-3	none		
68	12/5/17	Tue	CONTINUE Study estimating a population mean (population SD NOT known)	Sec 7-4	text pages 361-362; complete problems: 21-28 (all)	Graded Boards		Introduction to the student t distribution	
69	12/6/17	Wed	Study estimating a population variance	Sec 7-5	text pages 372-373; complete problems: 5-19 (odds), and 20	Graded Boards			

70	12/7/17	Thu		CONTINUE Study estimating a population variance	Sec 7-5	text page 373; complete problems 17-20 (all)	Graded Boards	
71	12/8/17	Fri		Chapter 7 Exam	All Chapter 7	None	Chapter 7 Exam - In class only but must show work.	
72	12/11/17	Mon		Computer Lab 5	teacher materials	Study Sec 7-5	none	
73	12/12/17	Tue	Hypothesis Testing (testing a claim)	Study the Basis of Hypothesis Testing (traditional and P-value methods)	Section 8-1 and 8-2	text pages 403-405; complete problems: 1,3,5,9,13,17,21,23,25,27, 29,33,37,39,41,43	none	
74	12/13/17	Wed						
75	12/14/17	Thu		Testing a claim about a proportion	Sec 8-3	text pages 414 and 415; complete problems: 5,7,11,13,15,17,19,24,26,28	Graded Boards	
76	12/15/17	Fri		Testing a claim about a population mean (population SD known)	Sec 8-4	text pages 423-425; complete problems: 9,10, 13,14,16,17	Graded Boards	
77	12/18/17	Mon		Computer Lab 5	teacher materials	Read/study Section 8-1 and 8-2	none	
78	12/19/17	Tue		Testing a claim about a population mean (population SD NOT known)	Sec 8-5	text pages 432-435; complete problems: 7,11,13,19,20,23,27	Graded Boards	
79	12/20/17	Wed		Chapter 8 Exam	Chapter 8 material (Sections 8-1 through 8-5)		Chapter 8 Exam in class (show all work)	
80	12/21/17	Thu		Check out	none	none	turn in texts, course critique	end of 2nd Qtr
	12/22/17	Fri					No School	
	12/24/17 - 1/5/18						Christmas Break	
	1/8/18	Mon					Teacher Training	