February 5, 2019										
Math 186 — Applied Statistics Schedule — Spring 2019										
Week I	1			Chapter 1	Read the course syllabus, Chap 1, pp 9-13: 3, 7, 9, 11, 13, 17	§1.1-3, 2.1-3				
	2	1/30	§2.1-4	Syllabus, Types of Vars, Distributions		§2.4-7				
	3	2/1	Lab 1	Intro to R	1st WebWork, Orientation					
Week II	4	2/4	§2.5-7	Describing distributions		§3.1-3	Lab 1 due			
	5	2/6	§3.1-3	Scatterplots & Regression		§3.4-5	Week I HW			
	6	2/8	Lab 2	Regression in R	2nd WebWork, Chapter 2		WW 1 due			
Week III	7	2/11	§3.4-5, 4.1-2	Regression/Risk		§4.1-4	Lab 2 due			
	8		§4.3-4	Simpson's Paradox/Chi-square test		§5.1,2,5,6	Week II HW			
	9	2/15	Lab 3	Chi-square in R	3rd WebWork, Empirical Rule/Regression		WW 2 due			
Week IV	10	2/18	§5.2, 5	Sampling and its importance		§6.1-4	Lab 3 due			
	11	2/20	§6.4	Good and bad Statistical Studies			Wk III HW			
	12	2/22		Review			WW 3 due			
Week V	13	2/25		Exam 1 covers through Chap 6		§7.1-4	Wk IV HW			
	14	2/27	§7.3-4	Probability Rules						
	15	3/1	Lab 4	Probability in R	4th WebWork, Surveys & Samples	§7.5-7				
Week VI	16	3/4	§7.6	Bayes Rule and Risks		§8.1-4	Lab 4 due			
	17	3/6	§8.3-4	Expected Value and Binomial RVs		§8.5-6	Wk V HW			
	18		Lab 5	Random Variables in R	5th WebWork, Probability 1		WW 4 due			
Week VII	19		§8.5-6	Probability for Normal RVs		§8.7-8	Lab 5			
	20		§8.7-8	Binomial Normal Approx		§9.1-3	Wk VI HW			
	21	3/15	Lab 6	Normal RVs in R	6th Web Work, Probability 2		WW 5 due			

Week	Lect	Date	Section(s)	Topic	Homework Assigned	Read	Turn in
Week VIII				Spring Break			
Week IX	22	3/25		Introduction to Project			Lab 6 due
	23	3/27	§9.1-3	Intro to sampling distributions		§9.4-5	Wk VII HW
	24		Lab 7	Visualizing sampling distributions			WW 6 due
Week X	25	4/1	§9.4-5	Sampling Distributions for binomials			Lab 7 due
						§10.1-2	
	26	4/3	§10.1-3	Confidence intervals for binomials		§10.3-4	Wk IX HW
	27	4/5	Lab 8	Inference for binomials			
Week XI	28	4/8	§10.3	2 sample confidence intervals			Lab 8 due
	29	4/10	§9.6-7	Review			
	30	4/12		Exam 2 Chap 7 to binomial		§9.6-7	Wk X & 4/8 HW
				inference			
Week XII	31	4/15	§9.6-7	Sampling dist of sample mean		§11.1-3	
	32	4/17	§11.1-3	Conf ints for sample means		§9.8-10	
	33	4/19	Lab 9	Inference for sample means in R	7th WebWork assignment, binomial inference		
Week XIII	34	4/22	§9.8-10	Further sampling distributions		§11.4-5	Lab 9 due
	35	4/24	§11.4-5	More Confidence Intervals		§12.1-3	Wk XII HW
	36	4/26	Lab 10	Project work			WW7 due
Week XIV	37	4/29	§12.1-2	Intro to Hypothesis Tests			
	38	5/1	§12.2-3	Hypothesis tests for binomials		§13.1-3	Wk XIII HW
	39	5/3	Lab 11	More Project work	8th Web Work assignment, hypothesis tests		
Week XV	40	5/6	§13.1-3	Hypothesis tests for means		§13.4-5	
	41	5/8	§13.4-5	More hypothesis tests			Wk XIV HW
	42	5/10		Review			WW 8 due, Project
							Report
Week XVI				Final Exam			
_							