	Math 360-1			Prof. Andrew Ross; T/Th 2:00-3:15, PH 324; CRN	CRN 13403	
Class#	Date 2015	day	unit	Topic	HW Assigned	HW Due
1	9/8	Tue	1	Intro; randomization example; car-insurance advertising; population vs sample, types of data	Ch 1 preview	* = deviation from usual 7-day delay
2	9/10	Thu	1;2	Discrete vs Continuous; PivotTables, Bar charts, Dotplots; Ch 2 Bias	Ch 1	
3	9/15	Tue	2	Random vs Stratified Samples, etc; Random Rectangles activity	Ch 2a; 2b	Ch 1*
4	9/17	Thu	3	Graphical Methods for Describing Data	Ch 3	Ch 2a*
5	9/22	Tue	4	Center, Variability	Ch 4a	Ch 2b
6	9/24	Thu	4	Boxplots, Empirical Rule, Z-Scores, Percentiles	Ch 4b	Ch 3
7	9/29	Tue	5	Correlation; Regression	Ch 5a	Ch 4a
8	10/1	Thu	5	Assessing fit; Nonlinear Relationships and Transformations		Ch 4b
9	10/6	Tue	5	5 wrapup	Ch 5b	Ch 5a
10	10/8	Thu	6	Definition and Properties of Prob; Conditional Probability; independence, PIE, Bayes, Prob via Simulation	Ch 6	
11	10/13	Tue	7	Random Variables; Discrete and Continuous Distributions; Mean and StdDev; linear functions and sums	Ch 7a	Ch 5b
12	10/15	Thu	7	Binomial, Geometric; Normal; Checking and Transformations for Normality; Binom~Normal; QQ	Ch 7b	Ch 6
13	10/20	Tue	8	Statistics and Sampling Variability; Sampling Distribution of a Mean		Ch 7a
14	10/22	Thu	8	Central Limit Theorem; Sampling Distribution of a Proportion	Ch 8	Ch 7b
15	10/27	Tue	9	Point Estimation; Confidence Interval for a Proportion	Ch 9a	
16	10/29	Thu	9	Confidence Interval for a Mean (incl. t-distrib)	Ch 9b	Ch 8
17	11/3	Tue	midterm	midterm		
18	11/5	Thu	10	Hypotheses and Test Procedures; Errors in Hypothesis Testing; Proportion	Ch 10a	Ch 9a
19	11/10	Tue	10	Hypothesis Tests for Population Mean; Power and Probability of Type II error	Ch 10b; midterm corrections	Ch 9b
20	11/12	Thu	11	2-sample t-test for means (indep); 2-sample t-test for means (paired); skipping 2-proportions	Ch 11; Ch12pre	Ch 10a
21	11/17	Tue	12	Categorical Association part a	Ch 12a	Ch 10b;Ch 12pre*
22	11/19	Thu	12	Categorical Association part b	Ch 12b	Ch 12a*
23	11/24	Tue	12	Categorical Association part c	Ch 12c; proposal	Ch 12b*
24	11/26	Thu		Thanksgiving		
25	12/1	Tue	13	Linear Regression and Correlation: Inferential Methods	Ch 13	Ch 12c*
26	12/3	Thu	calc	Covariance; calculus-based methods	Calc; Ch 12post	Ch 11*; Proposal
27	12/8	Tue	review	Poisson Processes; review		Ch 13
28	12/10	Thu	exam	final exam during last day of class		Calc; Ch 12post
29	12/15	Tue	present.	presentations during final exam slot, 1:30-3:00 HALF-HOUR EARLY!		Final Report & Presentation