Stat 2013 Day by Day (Articles in *italics* are planned bonus activities)

Week 1 Tuesday Introduction, Sections 1-1 and 1-2; class data collection and
 nominal/ordinal/interval/ratio practice
Thursday Sections 1-3 and 1-4; Literary Digest and Polio examples

Week 2 Tuesday Sections 2-1 and 2-2
Thursday Sections 2-3 and 3-1; *Chapter 2 practice bonus activity*

Week 3 Tuesday Section 3-2 and part of 3-3
Thursday Finish Section 3-3, Start Section 4-1

Week 4 Tuesday Classical and frequentist probability, general addition rule
Thursday Conditional probability and independence

Week 5 Tuesday More independence, Section 4-4 Factorial, Combinations, Permutations; *Conditional probability and independence bonus activity*
Thursday Counting practice problems, review for exam

Week 6 Tuesday EXAM 1
Thursday Section 5-1 discrete probability distributions, 5-2 mean/variance/SD

Week 7 Tuesday Return exam, finish 5-2, start 5-3 on binomial; *Practice bonus activity*Thursday Finish binomial, Normal distribution theory, Z-Scores (page 148)

Week 8 Tuesday Areas under normal curve, between areas, inverse probability
Thursday Normal problems (not bonus), Section 6-3 CLT theory and practice

Week 9 Tuesday Sections 7-1 and 7-3, Confidence interval theory, Z CI, proportion CI
Thursday Proportion CI practice, sample size; *Hershey’s kiss activity*

Week 10 Tuesday Section 7-2 t confidence intervals, review for exam
Thursday EXAM 2

Week 11 Tuesday Section 8-6 testing based on intervals, Section 8-1 theory
Thursday More hypothesis testing theory, Z test, return exam

Week 12 Tuesday Section 8-3 t-tests and Section 8-4 proportion tests
 (all examples so far have used rejection regions)
Thursday p-value and p-value examples

Week 13 Tuesday Section 9-3 on Matched pairs, 2 sample CIs; *Ruler activity*
Thursday Finish 2 sample Cis, Section 9-1 2 sample Z, start Section 9-2 2 sample t

Week 14 Tuesday Section 9-4 proportion test, hypothesis testing summary, start Section
 10-1 on correlation
Thursday Review Chapter 9 (HW due), Visual correlation, correlation formula,
 correlation hypothesis test

Week 15 Tuesday Section 10-2 regression, Section 10-3 only types of variation, R-square,
 coefficient of non-determination
Thursday *Regression practice activity*, Review for final