Stat 217 Calendar Spring 2015

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Course Supervisor: Dr. Mark Greenwood 2-228 Wilson Hall
Required Text: *A Second Semester Statistics Course with R*, V **2.0**, 2015, Greenwood and Banner

Monday	Wednesday	Friday
	Jan 14 EDA Read 0.0-0.6, 1.0	Jan 16 R and Permutation Tests Read 1.1-1.3
Jan 19 MLK Holiday NO CLASS	Jan 21 2-sample-test Read 1.4-1.6	Jan 23 Confidence Intervals Read 1.7-1.10
Jan 26 Bootstrapping	Jan 28 More than 2 groups Read 2.0-2.1	Jan 30 One-way ANOVA Models
Feb 2 Sums of Squares Read 2.2	Feb 4 ANOVA Table and p-values	Feb 6 Assumptions, Diagnostics Read 2.3-2.4
Feb 9 Tukey's HSD Read 2.5-2.9	Feb 11 Two-way ANOVA, Interaction plot Read 3.0-3.2	Feb 13 Two-way ANOVA Models Read 3.3-3.4
Feb 16 PRESIDENTS DAY NO CLASS	Feb 18 ANOVA tables	Feb 20 Balanced/not?
Feb 23 Unreplicated designs Read 3.5-3.8	Feb 25 Review for Exam 1	Feb 27 **Exam 1** In class
March 2 Independence vs Homogeneity Read 4.0-4.3	March 4 X^2 test statistic, p-values Read 4.4-4.5	March 6 Examining residuals Read 4.6-4.8
March 9	**Spring Break**	March 13
March 16 More X^2 examples Read 4.9-4.13	March 18 Scatterplots and correlation Read 5.0-5.2,5.4	March 20 Reg Equation Read 5.5-5.6
March 23 Least squares, R^2, Influence Read 5.7	March 25 Assumptions, SLR model Read 5.8-6.0	March 27 Param and perm test for SLR Read 6.1-6.3
March 30 Transformations I Read 6.4	April 1 Transformations II Read 6.5	Aprill 3 UNIVERSITY DAY NO CLASS
April 6 CI for mean, PI for new response Read 6.6	April 8 Review for Exam 2	April 10 **Exam 2** In class
April 13 MLR model, assumptions, and interpretations Read 7.0-7.2	April 15 Model Comparison Read 7.3	April 17 VIFs,t-tests Read 7.4-7.5 (Last day for W)
April 20 Overall F-test, Different intercepts Read 7.6-7.9	April 22 Different slopes and intercepts Read 7.10	April 24 F-tests: diff slopes and intercepts Read 7.11
April 27 AIC-based model selection Read 7.12-7.14	April 29 Linear models, Case Studies Read 8.0-8.4	May 1 Review for final
	COMMON HR FINAL: Frid. May 8	

Calendar subject to change. Changes will be updated in class.