I have not yet made the first quiz but here is what I am envisioning at this point.  I may send an update early next week if there are changes once I construct the actual quiz. The primary material on the first exam will be from Chapters 1 and 2, with some information on the first part of Chapter 3.  
  
1) Perform all aspects of a one-way ANOVA from R output that will be provided.  Aspects will include determining if group means are significantly different, identifying which group means are different, interpreting confidence intervals for differences in group means, and placing significance letters on a means plot.  The results may be on a transformed scale.  You should be able to interpret results from anova(), confint(), and fitPlot() on an lm() object and summary() and confint() on a glht() object.  This would be similar to HW 2.6 and 2.7.  
  
2) Analyze assumptions from R output that will be provided.  You should be able to interpret results from leveneTest(), adTest(), and outlierTest(), along with residPlot() and hist().  This would be similar to 2.5 and parts of 2.7.  
  
3) Fill in an incomplete ANOVA table for a one-way or a two-way ANOVA test and answer questions about the completed table.  This would be similar to HW 2.1-2.3 and 3.2 (but not from computing the SS from mean values).

4) Identify “effects” evident on paired interaction plots. This would be similar to HW 3.1.  
  
4) Answer something like three (from a list of five or six) short-answer questions.  These will largely be around major concepts discussed in class and in the reading.  
  
The quiz is closed book and closed notes, you will not need to use R (but will need to be able to interpret results provided from R), you should bring a calculator and a pencil (quizzes written in pen will not be accepted), answers can be typed if you so choose (I will not accept quizzes that I cannot easily read) but I will be monitoring computer use during the exam, and you will have from noon-155 to complete the quiz.  
  
Please let me know if you have any questions.  Thanks.