1. The exam will be given on Wednesday, December 17, at 1:30 PM and on Thursday, December 18, at 9 AM. You may take it at either time. You must tell me by Friday (you may do this by email) when you are going to take the exam.

2. The exam period is three hours. You can use all that time although I do not anticipate that most students will need all of it.

3. The exam is cumulative and covers the whole course. More specifically, the exam will have four kinds of problems.

   (a) There will be questions on the last unit of the course which was not covered on the last test. This is the topic of two quantitative variables and includes Chapters 4, 5, and 24. Questions on this content will look like those on the last test.

   (b) There will be problems taken from (but modified) the first four tests. For example, you can certainly expect to see a problem like the first problem of Test 4 but with the case of two quantitative variables added to the possibilities.

   (c) There will be some multiple choice or fill-in-the-blank problems that test important concepts that might span several chapters.

   (d) There may be one or two problems that ask you to go beyond concepts that you learned to apply statistical reasoning in a new situation. If you understand the key concepts of the course, you will be able to do this.

4. Besides understanding the individual inference techniques that we used, you should understand the basic framework with which we approached all inference problems. Namely, know the distinctions between population and sample and between parameter and statistic. Be able to describe how we get a confidence interval in general and how a statistical hypothesis test is developed. Be clear about how our data collection method determines what inferences we can make from the data.

5. You will be provided with the chart summarizing the inference methods that we studied. A copy is on the other side of this sheet.

6. You may use a calculator.

7. I will be in my office on Tuesday, December 16, from 8 AM until 3 PM, and from 7 PM until 9 PM if you have questions. I will also be in my office on Wednesday evening from 7 PM until 9 PM. I’ll probably be available much of the rest of the week as well.