ISE 468 ETM 568 Exam 2 Wednesday 4/15/15

*The test will be conducted in the computer lab. You may use the Minitab help function during the test.*

**Part 1. Given specific data, use Minitab to conduct the hypothesis tests.**

Single sample t or z

Two sample t or z

Paired sample t

One way ANOVA

Two way ANOVA

One-sample sign

One-sample Wilcoxon

Kruskal Wallis

Friedman

~~Linear regression~~

Chi-square test of Independence

**For each of the above tests:**

State H0 and H1

State p-value

State Decision

State Conclusion

**Part 2. Given a set of data, read the problem statement to decide which test is appropriate. Use Minitab to conduct the hypothesis tests.**

**Part 3. Given a set of data, use Minitab to build the appropriate control charts. Determine out-of-control points.**