**BUS 322**

**Test 2**

**Study Guide**

**as of 10/18/23**

**Detail of the types of problems will be on this test:**

1. Construct a confidence interval estimate of the mean for: a large sample when the 𝞼 is known.
2. Calculate: a) standard error, b) margin of error for a large sample when 𝞼 is known.
3. Calculate the sample size when sigma is given.
4. Calculate the confidence interval for a small sample when the sample statistics are known and the s is known.
5. Calculate a variable within a sample size equation.
6. Hypothesis testing for: a large sample, lower tail, sigma is given.
7. Hypothesis testing for: a large sample, one-tailed, 𝞼 is given,$ \overbar{x}$ is given.
8. Hypothesis testing for: a small sample, lower tail, s is given.
9. Hypothesis testing for: a small sample, one-tailed, s is given.

10.]Hypothesis testing for: a small sample, two-tailed, $\overbar{x}$ and s are known.