**Exam Two study guide** (Lots of stuff from Exam One will be on test; especially area under the curve problems)

Sampling distribution

Standard error

Hypothesis test

* Statistical significance
* Alpha level
* P-value
* Null hypothesis

Two-tail vs one-tail hypothesis

Confidence intervals

Margin of error

 Upper limit

 Lower limit

**Confidence area Z-score**

90% .05 1.645

95% .025 1.96

99% .005 2.576



Normal distribution

68-95-99.7 rule