

**Exam 4 – Study Guide
PSYC 381**

- ANOVA
 - Between-Groups ANOVA
 - Within-Groups ANOVA
 - One-Way ANOVA
- F statistic
 - Between-Groups Variance
 - Within-Groups Variance
- Degrees of Freedom
 - Between-Groups
 - Within-Groups
 - Total
- Relationship between F and t Distributions
- The Problem of too many t tests
- Homoscedastic & Heteroscedastic (AKA Homogeneity & Heterogeneity of Variance)
 - Equal Sample Sizes
 - Unequal Sample Sizes
- Determining Critical Values
- Source Table
- Mean Square
- Sums of Squares
 - Between
 - Within
 - Total
- Grand Mean
- Planned Comparisons (a priori)
- Post-Hoc Tests
 - Tukey HSD (q statistic)