

**Exam 2 – Study Guide**  
**PSYC 381**

**Correlation (Chapter 5)**

- z Score
- z Distribution
- Correlation Coefficient
- Positive, Negative, & Zero Correlations
- Perfect Positive or Perfect Negative Correlation
- Pearson Correlation Coefficient
- Correlation & Causation
- Outlier
- Scatterplot
- Psychometrics
- Reliability
  - Split-Half Reliability
  - Cronbach's Alpha (Coefficient Alpha)
- Validity
  - Criterion-Related Validity
  - Concurrent Validity
  - Postdictive Validity
- Partial Correlation

**Regression (Chapter 6)**

- Simple Linear Regression
- Intercept
- Slope
- Regression to the mean
- Line of Best Fit
- Standard Error of the Estimate
- Proportionate Reduction in Error (Coefficient of Determination)
- Orthogonal Variable
- $SS_{Total}$
- $SS_{Error}$
- Multiple Regression
- Stepwise Multiple Regression
- Hierarchical Multiple Regression