Final Study Guide

**Instructions: Final will consist of 20 multiple choice questions and two vignettes with 10 subsequent short answer essay questions (3 points each). Please bring a 882e scantron, pen/pencil, and lined sheets of paper or a blue book.**

Experimental Design

Independent Variable; Dependent Variable

Comparison Groups

Criteria for Causality (covariance, temporal precedence, internal validity)

 Within Subjects Design

 Threats to internal validity

 Carryover effects and Counterbalancing

 Between Subjects Design

 Threats to internal validity

 Problem of large within group variance

Correlational Designs

Confound – definition

Types of Confounds (history, maturation, instrumentation, attrition, differential aregression, selection, carryover, environmental, hawthorne effect, experimenter bias)

Control Groups

Control Variable

Experimental Groups

Placebo Groups

Manipulation Check

Double Blind Study

Random Assignment

Matched-Subjects Design

Pilot Study

External Validity

Constuct Validity

Statistical Validity