

# **MS Kinesiology Program**

## **Generic Quantitative Research Article Summary/Critique Outline**

1. Reference Citation (APA Format used for 703/Thesis Proposal)
2. Purpose of the study
3. Rationale for the study
4. Research Hypothesis(es) and/or Research Question
5. Literature Review: Comprehensive, current, critical
6. Method
  - a. Participants
    - 1) Method of Selection, Assignment to groups, Attrition, etc.
    - 2) Characteristics (e.g., ht, wt, age, sex, race, SES)
    - 3) Human subjects considerations (informed consent)
  - b. Instrumentation
    - 1) Measures (scales, validity, reliability, calibration)
    - 2) Procedures (task instructions, test schedule)
    - 3) Data analysis (processing, reduction, etc)
  - c. Statistical Analysis(es)
    - 1) Design/Tests
    - 2) Significance level, Effect size, Power
    - 3) Appropriateness (assumptions met?)
7. Results (appropriate interpretation of statistical results)
8. Conclusions
  - 1) internal validity
  - 2) external validity (generalizability)
  - 3) scientific relevance/significance
  - 3) clinical/professional/practical relevance/significance
9. Important features relevant to your proposed study
  - 1) model description of method or new method introduced
  - 2) specific subject group used
  - 3) weaknesses to be avoided
  - 4) results to extend or refute
  - 5) other...