I. Issues Related to Design
   A. Experimental
   B. Correlational
   C. Quasi-Experimental
   D. Qualitative
   E. Developmental
   F. Discussion:
      1) What are some potential threats to validity in studies?
      2) What are the important issues for investigators studying development (i.e., intractable variables, study of change, use of self-reports, complexity of causal networks, directional causal biases, attrition)?
      3) What are some ways that we can vary designs to deal with some of these issues? What (new) problems do these variations present?

II. Issues related to Measurement
   A. Reliability and Validity of measures
   B. Methods of Data Collection
      1. report
      2. performance
      3. observations

III. Issues Related to Analysis
   A. Preliminary analyses
   B. Hypothesis testing
   C. Experimental or Comparison designs
      • ANOVA
   D. Categorical data
      • Chi-square
   E. Analysis based on correlations/multivariate analyses
      • Regression
      • ANCOVA/MANOVA
      • Discriminant analysis
      • Factor analysis
      • Path analysis
   F. Meta – analysis

IV. Qualitative methods
   A. when to consider qualitative design
   B. Qualitative data collection
   C. Qualitative Analyses

Discussion:
Given what you’ve learned about methodological issues, list some criteria you would use to evaluate a study you read for your literature review.

V. Ethical Issues
   A. Ethical principles
   B. Review boards
   C. Discussion