

CPSE 673
Single Subject Research Designs
Summer 2015

Instructor: K. Richard Young, PhD, and Professor

Credit: 3 hours

Days: Tuesday and Wednesday summer term, individual meetings Fall semester

Time: 9:00 to Noon

Text: Applied Behavior Analysis (ABA, Chapters 1 – 10), Cooper, Heron, & Heward

Course objectives:

1. Students will explain the following basic concepts and how they apply to ABA research:
 - a. Definition & basic characters of science
 - b. Basic concepts of Operant Behavior
 - c. Role of assessment in ABA
 - d. Assessment methods
 - e. Social significance of potential target behavior
 - f. Define & prioritize target behaviors
 - g. Methods for measuring behavior
 - h. Threats to measurement validity
 - i. Threats to measurement accuracy & reliability
 - j. Determining interobserver agreement
 - k. Construct and interpret graphic displays
 - l. Analyze behavior change
 - m. Basic single subject designs
2. Students will identify a student(s) that exhibits a problem behavior that needs to be changed
3. Students will conduct a literature review related to the problem to be studied
4. Students will design a single research study
5. Students will obtain IRB approval for conducting the study
6. Students will conduct the study
7. Students will write a journal article reporting the study

Grading criteria:

Grade Scale:

1. Attendance	100 points	95% - 100% = A
2. Class participation	100 points	90% -- 94% = A-
3. Research proposal	100 points	86% - - 89% = B+
4. IRB approval	100 points	82% -- 85% = B
5. Completed study	100 points	79% -- 81% = B-
6. Journal article prepared	100 points	76% -- 78% = C+
Total	600 points	72% -- 75% = C

