

Slide 1

SPHSC 569 Seminar –Single-  
Subject Methodology

Spring 2006  
Lesley B. Olswang

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Slide 2

Course Overview

- Web site:  
<http://faculty.washington.edu/olswang/index.html>
  - Go to Courses, SPHSC 569
- Text Selection
- Readings – UG Electronic Reserve
- Assignments

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Slide 3

Single-Subject Design  
Applied Behavior Analysis

- History
  - Pavlov
  - Thorndike
  - Watson
  - Skinner
  - Sidman, Baer, Sherman, Wolf, Risley, Spradlin, Bijou, Azrin, Bandura, Haring – University of Washington, University of Kansas, Vanderbilt)

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Slide 4

Applied Behavior Analysis

Applied:

- Studying problems/behaviors that are of importance to society
- Interest in behaviors that are affected by environment

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Slide 5

Applied Behavior Analysis

Behavior:

- Focusing on observable and measurable performance of behaviors
- Operationally defining behaviors
- Quantitative approach

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Slide 6

Applied Behavior Analysis

Analysis:

- Believable demonstration that events are controlled by the researcher through manipulation of environment
- Accounting for the presence or absence of behaviors in question
- Repeated demonstrations of phenomenon (i.e., relationship of behavior to environmental manipulation)- replication

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Slide 7

**Applied Behavior Analysis**

Essence: Approach to science that explicitly describes the manipulation of the environment and corresponding change in observable behavior.

The critical component is the tie between the manipulation and observable behavior change.

- The clearer the relation – the better
- The more replications – the better

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Slide 8

**Applied Behavior Analysis**

- What's different?
  - Experimental manipulation to explicitly show cause effect
  - Focus on one subject at a time
  - Focus on questions versus hypotheses

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Slide 9

**Applied Behavior Analysis  
Single-Subject Methodology**

- Basics/Terminology  
(Handouts)

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