

C-ID Descriptor

Introduction to Research Methods in Psychology (With Lab)

Descriptor Details

- **Descriptor Title:** Introduction to Research Methods in Psychology (With Lab)
- **C-ID Number:** 205
- **Suffix:**
 - Lab and Lecture (B)
- **Units:** 4.0
- **Date of Last Revision:** 10/12/2017 04:44:13 PM PDT

General Description

No information provided

Prerequisites

Introductory Psychology (C-ID PSY 110)

Elementary Statistics (ANOVA included) (C-ID MATH 110 or C-ID SOCI 125)

Corequisites

No information provided

Advisories

English Composition (C-ID ENGL 100)

Content

1. Introduction
 - a. Scientific and nonscientific approaches to knowledge
 - b. Dependent and independent variables
 - c. Validity and reliability
 - d. Scientific method and its goals
 - e. Causal and correlational relationships
 - f. Samples and sampling methods
 - g. Theoretical and operational definitions
 - h. Selection of appropriate statistical tests (chi-square, correlation, t-tests, ANOVA)
 - i. Evaluating peer-reviewed literature
 - j. APA format
2. Ethical Issues in the Conduct of Psychological Research
 - a. APA ethical standards
 - b. Risk/benefit ratio of research
 - c. Use of deception in research
 - d. Human and animal subject use
3. Descriptive Methods — Observation and Survey Research
 - a. Observational techniques and rationale
 - b. Reactivity, demand characteristics, observer bias, expectancy effects, and other biases
 - c. Theories, research questions, hypotheses
 - d. Interpretation and limits of correlational data
 - e. Levels of measurement
4. Unobtrusive Measures of Behavior (physical trace methods, archival research methods, content analysis)
5. Experimental Methods —
 - a. Independent Group Designs
 - b. Repeated Measures Designs
 - c. Reasons to use and limitations of experimental methods
 - d. Counterbalancing and practice effects
 - e. Main effects and interaction effects using both table and graph methods
6. Other Research Designs —
 - a. Single-Case Research Design
 - b. Quasi-Experimental Designs
7. Program Evaluation
 - a. Characteristics of true experiments and quasi-experiments

Lab Activities

No information provided

Objectives

No information provided

Evaluation Methods

Lecture

In-class quizzes, paper assignments, and class participation

Laboratory

Quizzes, laboratory work, research paper in APA format, laboratory participation.

Textbooks

Smith, R.A. & Davis, S. *The Psychologist as Detective: An Introduction to Conducting Research in Psychology* Prentice Hall Inc.

Cozby, Methods in Behavioral Research

Elmes, D. G., Kantowitz, B. H., & Roediger, H. L. III *Research Methods in Psychology* Wadsworth Publishing

American Psychological Association (latest edition) *Publication Manual of the American Psychological Association*.