

Course Outline of Record

1. Course Code: PSY-025
2.
 - a. Long Course Title: Intro/Research Methods for Soc Sciences
 - b. Short Course Title: RESEARCH METHODS
3.
 - a. Catalog Course Description:

This course is an introduction to the research methodology utilized in the social sciences. This survey of contemporary approaches for study designs and research techniques will include theory development, application of methods, and the systematic nature of data collection. The major qualitative and quantitative research designs and methods such as observation, surveys, experimentation, and correlation will be addressed.
 - b. Class Schedule Course Description:

This course is an introduction to the research methodology utilized in the social sciences and will include a survey of contemporary approaches for study designs and research techniques.
 - c. Semester Cycle (if applicable): N/A
 - d. Name of Approved Program(s):
 - PSYCHOLOGY
4. Total Units: 3.00 Total Semester Hrs: 54.00
 Lecture Units: 3 Semester Lecture Hrs: 54.00
 Lab Units: 0 Semester Lab Hrs: 0
 Class Size Maximum: 50 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:

Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm I-A)

 Prerequisite: PSY 001
 Prerequisite: SOC 003 or MATH 014
 Advisory: ENG 001A
6. Textbooks, Required Reading or Software: (List in APA or MLA format.)
 - a. Frankfort-Nachmias, C. & Nachmias, D. (2008). *Research methods in the social sciences* (7th /e). New York Worth. ISBN: 9780716755173
 College Level: Yes
 Flesch-Kincaid reading level: 12.7
 - b. Thompson, K. S. & Davis, G. (2008). *Research methods in the social sciences study guide* (7th/e). New York Worth. ISBN: 9781429202992
 College Level: Yes
 Flesch-Kincaid reading level: 12.7
7. Entrance Skills: *Before entering the course students must be able:*
 - a.
Utilize a handbook to properly cite and document source material in APA format.
 - PSY 001 - Demonstrate an awareness of basic scientific research methods including; principles of scientific research, ethical guidelines, observational, correlation, and experimental methods.
 - SOC 003 - Articulate the distinction between descriptive and inferential statistics.
 - SOC 003 - Identify and define the basic concepts of probability theory (e.g., combinations, permutations, independent events, chance, etc.) and exhibit computational skill in applying the related mathematical principles to hypothesis testing (including skill in the use of the binomial and normal probability distributions)

- SOC 003 - Articulate the scientific method and demonstrate its application to real problems through appropriate experimental design.

Advisory Skills:

b.

Understand how readers' experiences influence the reading of texts.

- ENG 001A - Understand how readers' experiences influence the reading of texts.

c.

Develop ideas coherently in writing through the drafting process.

- ENG 001A - Develop ideas coherently in writing through the drafting process.

d.

Participate in the process of developing texts in collaborative and individual settings.

- ENG 001A - Participate in the process of developing texts in collaborative and individual settings.

e.

Write thesis statements, topic sentences, and ideas in an organized way in multi-page essays.

- ENG 001A - Write thesis statements, topic sentences, and ideas in an organized way in multi-page essays.

8. Course Content and Scope:

Lecture:

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

1. Single-Case Research Design
2. Quasi-Experimental Designs
 1. Program Evaluation
 1. Characteristics of true experiments and quasi-experiments

Lab: (if the "Lab Hours" is greater than zero this is required)

9. Course Student Learning Outcomes:

1. Students will distinguish the differences between the major research methods and the appropriateness of their use.
2. Students will be able to interpret research literature identifying significant elements such as methodology and design, ethical considerations, and variables.
3. Students will identify the major steps in developing a research proposal addressing social science issues.

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. List steps involved in designing and implementing a research proposal
- b. Define and identify the strengths and limitations and appropriate uses for each of the following research methods: i. Naturalistic observations ii. Experimental and quasi-experimental methods iii. Case studies iv. Correlational studies
- c. Within the above methods: i. Identify uses for within and between subjects designs ii. Identify independent, dependent, and confounding/extraneous variables iii. Identify the significance of randomization and representation in scientific research.
- d. Comprehend research based literature in written and/or oral reports.
- e. Use critical thinking skills to analyze and evaluate scientific research designs.
- f. Critically evaluate ethical issues of research with animal and human subjects
- g. Develop testable hypotheses.
- h. Design research proposal addressing psychological or social science issues.
- i. Demonstrate proficiency in APA style.

11. Methods of Instruction: (*Integration: Elements should validate parallel course outline elements*)

- a. Activity
- b. Discussion
- c. Distance Education
- d. Lecture

Other Methods:

- a. Video
- b. Presentations

12. Assignments: (*List samples of specific activities/assignments students are expected to complete both in and outside of class.*)

In Class Hours: 54.00

Outside Class Hours: 108.00

a. In-class Assignments

1. Design a research proposal incorporating elements of the process.
2. Students may be asked to present in class to facilitate discussions of the textbook concepts.
3. Identify research reports cited in the media and critically evaluate the presentation of the results.
4. Attend weekly class lectures and participate in class including group discussions
5. Read the text
6. View videos in class

b. Out-of-class Assignments

1. Completion of written assignments in APA format.
2. Work on assignments in study guide

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- College level or pre-collegiate essays
- Written homework

- Term or research papers
- Group activity participation/observation
- True/false/multiple choice examinations
- Student participation/contribution

14. Methods of Evaluating: Additional Assessment Information:

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

IGETC Area 4: Social and Behavioral Sciences

I: Psychology

CSU GE Area D: Social, Political, and Economic Institutions and Behavior, Historical

D9 - Psychology

PO-BS Quantitative Reasoning

Use and comprehend quantitative language in a variety of contexts including units of measurement (e.g. milliseconds, calories), visual representations (e.g. graphs and maps), and scales.

IO - Scientific Inquiry

Identify components of the scientific method.

Predict outcomes utilizing scientific inquiry: using evidence and assertions determine which conclusions logically follow from a body of quantitative and qualitative data.

Analyze quantitative and qualitative information to make decisions, judgments, and pose questions.

16. Comparable Transfer Course

| University System | Campus | Course Number | Course Title | Catalog Year |
|-------------------|--------|---------------|--------------|--------------|
|-------------------|--------|---------------|--------------|--------------|

17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

| Material or Item | Cost Per Unit | Total Cost |
|------------------|---------------|------------|
|------------------|---------------|------------|

19. Provide Reasons for the Substantial Modifications or New Course:

Develop on online course

20. a. Cross-Listed Course (*Enter Course Code*): *N/A*
 b. Replacement Course (*Enter original Course Code*): *N/A*

21. Grading Method (*choose one*): Letter Grade Only

22. MIS Course Data Elements

- a. Course Control Number [CB00]: CCC000513231
- b. T.O.P. Code [CB03]: 200100.00 - Psychology, General
- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: A = Transfer to UC, CSU
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Not Occupational
- g. Course Classification [CB11]: Y - Credit Course
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: *N/A*
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: Y - Not Applicable
- l. Funding Agency Category [CB23]: Y = Not Applicable

m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (if program-applicable): PSYCHOLOGY

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 50

Third Year: 50

24. Resources - Faculty - Discipline and Other Qualifications:

a. Sufficient Faculty Resources: Yes

b. If No, list number of FTE needed to offer this course: N/A

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (Explain:)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Chris Jones Origination Date 09/03/14