

PSYC 129: BEHAVIORAL RESEARCH METHODS

In Workflow

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Approval Path

1. Tue, 13 Oct 2020 17:02:40 GMT
Emily Wickelgren (wickelgr): Approved for PSYC Committee Chair
2. Wed, 16 Dec 2020 23:23:31 GMT
Rebecca Cameron (cameron): Approved for PSYC Chair
3. Sat, 06 Feb 2021 01:15:13 GMT
Tristan Josephson (tristan.josephson): Approved for SSIS College Committee Chair
4. Mon, 15 Feb 2021 17:24:36 GMT
Marya Endriga (mendriga): Approved for SSIS Dean

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Changes proposed by: Emily Wickelgren (101025063)

Contact(s):

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Catalog Title:

Behavioral Research Methods

Class Schedule Title:

Behavioral Research Methods

Academic Group: (College)

SSIS - Social Sciences & Interdisciplinary Studies

Academic Organization: (Department)

Psychology

Will this course be offered through the College of Continuing Education (CCE)?

Yes

Please specify:

CCE and Stateside

Catalog Year Effective:

Fall 2021 (2021/2022 Catalog)

Subject Area: (prefix)

PSYC - Psychology

Catalog Number: (course number)

129

Course ID: (For administrative use only.)

202863

Units:

3

In what term(s) will this course typically be offered?

Spring term only

Does this course require a room for its final exam?

Yes, final exam requires a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Justification for course proposal:

We are removing PSYC 121 as a prerequisite as PSYC 121 (which is an upper division statistics/methods course in the major) is not necessary for success in the course. Further, removing PSYC 121 as a prerequisite will allow for increased flexibility with respect to the sequence of courses students take allowing more timely progress toward degree completion. PSYC 8 (lower division research methods) and PSYC 9 (lower division statistics) will be added as prerequisites instead, as the knowledge provided in these classes is necessary preparation for success in the course. PSYC 171 was a prerequisite before, and will remain as a prerequisite.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)

Covers evaluating and thinking critically about behavioral research (i.e., data collection, logic, designs). Topics include: comparing group and single-case designs; observational strategies and measuring inter-observer reliability; displaying and interpreting behavioral data; single-case experimental design including reversal, multiple-baseline, alternating treatments, changing-criterion, and combinatorial designs; research ethics; identifying characteristics of pseudoscience; and disseminating behavioral research. The versatility of single-case designs will be discussed by including a wide range of case examples from multiple disciplines in the social and behavioral sciences and education.

Are one or more field trips required with this course?

No

Fee Course?

No

Is this course designated as Service Learning?

No

Does this course require safety training?

No

Does this course require personal protective equipment (PPE)?

No

Does this course have prerequisites?

Yes

Prerequisite:

PSYC 8, PSYC 9, and PSYC 171, PSYC majors only or ABA certificate students

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Lecture

Lecture Classification

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

Lecture Units

3

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes: Describe outcomes using the following format: 'Students will be able to: 1), 2), etc.'

Students who apply themselves fully to the course material and related assignments will be able to:

- 1) Demonstrate knowledge and understanding of differences between group designs vs. single-case designs, science vs. pseudoscience, and well-controlled vs. poorly controlled experiments.
- 2) Discuss key topics related to behavioral research including measurement, inter-observer reliability, validity, and single-case design logic for reversal, multiple-baseline, alternating treatments, and changing-criterion designs.
- 3) Discuss key topics related to research ethics including the institutional review board application process.
- 4) Locate, evaluate, and summarize peer-reviewed research employing single-case designs.
- 5) Design a valid experiment using a single-case design to answer an empirical question.
- 6) Produce quality spreadsheets, tables, and visual displays of quantitative information.
- 7) Effectively communicate scientific ideas through APA style writing and presentation.

Attach a list of the required/recommended course readings and activities:

Psyc 129 Syllabus Fall 2021.docx

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.

You will meet the objectives listed above through a combination of the following activities in this course (see below for more information):

- Participate in in-class activities (e.g., reading checks, discussions, group work, peer reviews of writing, etc. [1-6])
- Complete in-class examinations, consisting of multiple-choice, fill-in-the-blank, and short answer questions. (1-3)
- Complete homework assignments such as human research protection training, identifying an example of pseudoscience, identifying literature using psycINFO, summarizing an experiment employing a single-case design, and graphing behavioral data. (4-7)
- Write (following APA style) and orally present a research proposal. (7)

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

No

Identify the program(s) in which this course is required:

Programs:

Certificate in Behavior Analysis

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines
Integrative learning
Personal and social responsibility
Intellectual and practical skills

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Key: 3982