



College Document COE#
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Document Type

CATALOG YEAR 2009-2010
(Please use separate form for each add/change)

COLLEGE/SCHOOL/SECTION: College of Education, DPP
Current Catalog Page(s) Affected: pp.

Course: Add: X Delete: Change: Number Title
(check all that apply) SCH Description Prerequisite

If new, provide Course Prefix, Number, Title, SCH Value, Description, prerequisite, lecture/lab (hours if applicable) and **student learning outcomes**. If in current catalog, provide change, attach page with changes in red, and provide a brief justification.

EDSE 5362 Research and Applications in Behavior Analysis

This course is the third in a sequence for graduate students leading to a Certificate in Behavior Analysis. It features the use of the scientific method in evaluating assessment and intervention techniques in behavior analysis. Topics include critical analysis of research reports as consumers, measurement techniques, single-subject experimental design, selection of dependent and independent variables, graphical presentation and evaluation of results, and ethics pertaining to human subjects. Principles and procedures involved in the experimental analysis of reinforcement schedules, stimulus control, and stimulus equivalence are included. The sequence fulfills minimum academic requirements of the Behavior Analysis Certification Board.
Prerequisite: EDSE 5325, EDSE 5360 and EDSE 5361

Student Outcomes:

- Students will understand and be able to practice the fundamentals of behavior-analytic research methods.
- Students will understand the theoretical foundations of empirical research, as well as the practical issues in conducting experimental research.
- Students will understand and implement methods related to single-case research (i.e., data collection, logic, designs).
- Students will be able to calculate interobserver agreement, graph single-case designs using computers, criticize empirical research, and write a research prospectus.
- Students will analyze reinforcement schedules, stimulus control, and stimulus equivalence
- Students will identify the measurable dimensions of behavior (e.g., rate, duration, latency, or inter-response times).
- Students will state the advantages and disadvantages of using continuous measurement procedures and sampling techniques (e.g., partial- and whole-interval recording, momentary time sampling).
- Students will select the appropriate measurement procedure given the dimensions of the behavior and the logistics of observing and recording.
- Students will select a schedule of observation and recording periods.

- Students will understand the use frequency (i.e., count).
- Students will understand the use rate (i.e., count per unit time).
- Students will understand the use duration.
- Students will understand the use latency.
- Students will understand the use inter-response time (IRT).
- Students will understand the use percent of occurrence.
- Students will understand the use trials to criterion.
- Students will understand the use interval recording methods.
- Students will understand the use various methods of evaluating the outcomes of measurement procedures, such as inter-observer agreement, accuracy, and reliability.

Justification:

Third sequenced course in MS in Special Education Applied Behavior Analysis Minor

Program: Add: _____ Change: _____ Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.

Minor: Add: _____ Delete: _____ Change: _____ Attach new/changed minor. If in current catalog, provide change and attach page with changes in red.

Faculty: Add: _____ Delete: _____ Change: _____ Attach new/changed faculty entry. If in current catalog, provide change and attach page with changes in red.

College Introductory Pages: Add information: _____ Change information: _____ Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Other: Add information: _____ Change information: _____ Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:

Chair
Department Curriculum Committee

Chair
Department

Chair
College Curriculum Committee

Dean

Signature

Date

Alfredo Ramirez, Jr.

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