

Code

Diversity and Health Data Science Across the Lifespan

Under Review | Fall 2023

Proposal Information

Workflow Status

In Progress

Faculty Senate, Faculty Senate

expand ▲

Waiting for Approval | Faculty Senate Approval

Rick Holmes

Nancy Middlebrook

Proposal Information

Sponsoring faculty/staff member ⓘ

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College

College of Arts & Sciences

Department

Psychology

Campus

Main Campus

Effective Term and Year

Proposed Effective Term and Year

Fall 2023

Justification

Concentration Justification

The purpose of the Diversity and Health Data Science Across the Lifespan area is to provide specialized training in the application of understanding sociocultural diversity across the lifespan to inform our understanding of psychological processes of health and human behavior, as well as broader implications for health equity, data science equity, and social policy. Western cultures represent a significant minority of the world population; however, historically, psychology has advanced Western constructs and models as being universal. Yet every psychological construct has a cultural component. There are different ways of knowing across cultures, and this knowledge may be useful to expand our current conceptualizations. In addition, there are many social forces that negatively impact health such as prejudice, discrimination, and systemic oppression, yet these are often not explicitly included in our models of health and healing. We should offer this area because many of our faculty and students are conducting grant funded research that is working across multiple disciplines and that can be integrated to inform new research directions with direct human health and policy implications. Training students in psychological research methods who can work in areas of health equity, data science, and social policy will serve a need for New Mexico, which lags behind the United States in many key areas of health.

Associated Forms

Select any associated course forms that exist

PSYC 410 - Advanced Health Psychology (3)

Select any associated program forms that exist

Program Information

Degree Name

PhD Psych - Doctor of Philosophy in Psychology

Degree Type

Doctor of Philosophy

Program Type

Doctoral

Program Description

No Parent Selected

Degree Hours

64-66

Minimum Major Hours

Degree Requirements

- Complete all of the following
 - Complete the following:
 - PSYC501 - Advanced Statistics (3)
 - PSYC503L - Advanced Statistics Laboratory (1)
 - PSYC502 - Design and Analysis of Experiments (3)
 - PSYC504L - Design and Analysis of Experiments Laboratory (1)
 - PSYC505 - Research Seminar (2)
 - PSYC507 - Teaching Seminar (2)
 - PSYC551 - Graduate Problems (1 - 3)
 - Earn at least 33 credits from the following types of courses:
Concentration requirements and electives.
 - Earn at least 18 credits from the following:
 - PSYC699 - Dissertation (3 - 12)

Grand Total Credits: 64 - 66

Concentration Information

Concentration Title

Diversity and Health Data Science Across the Lifespan

Program Level

Graduate

Concentration Requirements

- Complete all of the following

Concentration Core Courses

- Earned a minimum grade of B- in each of the following:
 - PSYC508 - Psychological Research with Diverse Populations (3)
 - PSYC516 - Health Disparities (3)
 - PSYC629 - Culture and Human Development (3)
 - PSYC510 - Advanced Health Psychology (3)

Qualitative Courses

- Complete all of the following
 - Earn at least 3 credits from the following:
 - ANTH541 - Problems and Practice in Ethnography (3)
 - CJ605 - Qualitative Research Design and Analysis (3)
 - EDPY645 - Advanced Seminar in Educational Psychology (3)
 - LLSS605 - Advanced Qualitative Research Methods (3)
 - NATV560 - Research Method and Practice in Indigenous Scholarship (3)
 - PH556 - Community Participatory-Based Research (2 - 3)
 - Students who choose PH 556 - Community Participatory-Based Research must register for 3 credit hours.

Quantitative Courses

- Complete all of the following
 - Earn at least 3 credits from the following:
 - EDPY593 - Topics (1 - 3)
 - EDPY607 - Structural Equation Modeling (3)
 - PH502 - Epidemiology and Biostatistics I (4)
 - PSYC601 - Multivariate Statistics (3)
 - PSYC650 - Special Topics in Psychology (1 - 3)
 - STAT574 - Biostatistical Methods: Survival Analysis and Logistic Regression (3)
 - Topics courses that are available to satisfy this requirement are: EDPY 593–T: Multi-Level Modeling
PSYC 650–ST: Latent Variable Modeling PSYC 650–ST: Analysis of Data
- All students are required to select at least one additional elective course (3 credits) from the area to satisfy a total credit requirement of 21. The choice of electives and substitution of any alternative elective courses must be approved by the area faculty.

Grand Total Credits: 18

Concentration Description

The Diversity and Health Data Science Across the Lifespan area is focused on understanding the social, emotional, cognitive, physical, and spiritual bases of human development, health, and well-being within the contexts of cultural and linguistic systems, educational and social systems (e.g., health care, criminal legal system), public health policy, and data-informed approaches to improving health equity.