

◀ PhD Hlth Equi Sci - Doctor of Philosophy in Health Equity Sciences

# **CON Bio Stat Biostatistics**

Under Review | Fall 2025

## Proposal Information

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**Status**

Active

**Workflow Status**

In Progress

**Faculty Senate, Faculty Senate**

expand ▲

Waiting for Approval | Faculty Senate Approval

Nancy Middlebrook

Theresa Sherman

**Changes**

- Concentration Requirements
- Degree Requirements
- Proposed Effective Term and Year
- Concentration Justification
- Select any associated course forms that exist

Show All ▼

## Proposal Information

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**Sponsoring faculty/staff member** ⓘ

Pamela Sedillo

**Sponsoring faculty/staff email**

psedill1@salud.unm.edu

**College**

College of Population Health

**Department**

Population Health

**Campus**

Health Sciences Center  
(Albuquerque)

## Effective Term and Year

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Proposed

**Proposed Effective Term and Year**

Fall 2025

Existing

**Proposed Effective Term and Year**

Spring 2024

## Justification

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Proposed

**Concentration Justification**

Updating courses in concentration for clarity and selection for students to choose from .

Existing

### Concentration Justification

Correcting concentration requirements that were transferred from the old catalog to the new catalog incorrectly. No curriculum changes have been requested, this is only to correct the 23-24 catalog to reflect the changes not imported from the 22-23 catalog correctly.

## Associated Forms

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Proposed

**Select any associated course forms that exist**

PH 622 - Causal Inference Methods in Epidemiology (3) |

**Under Review**

Existing

**Select any associated course forms that exist**

Proposed

**Select any associated program forms that exist**

PhD Hlth Equi Sci

Existing

**Select any associated program forms that exist**

## Program Information

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### Degree Name

PhD Hlth Equi Sci - Doctor of Philosophy in Health Equity Sciences

### Degree Type

Doctor of Philosophy

### Program Type

Doctoral

### Program Description

No Parent Selected

### Degree Hours

66

### Minimum Major Hours

### Degree Requirements

- Complete all of the following
  - ~~Complete the following:~~
    - ~~PH539—Advanced Biostatistics- (3)~~
  - **Earn 18 credit hours in Advanced Research Methods Courses (6 hours must be quantitative methods). See specific concentration for detailed course information.**
  - ~~or NMSU's CEP 636 Advanced Statistics~~
  - ~~Complete at least 1 of the following:~~
    - ~~STAT574—Biostatistical Methods: Survival Analysis and Logistic Regression- (3)~~
    - ~~PH537—Advanced Epidemiology Methods- (3)~~

- ~~NURS613—Mixed Methods Research- (3)~~
  - ~~PH684—Advanced Health Policy Analysis- (3)~~
- **Earn 3 credit hours in Doctoral Seminar Courses. See specific concentration for detailed course information.**
- ~~Earn at least 12 credits from the following types of courses:  
see concentrations for required or elective courses.~~
- **Earn 2 credit hours in Skill Building Courses. See specific concentration for detailed course information.**
- **Earn 12 credit hours in Concentration Required Courses. See specific concentration for detailed course information.**
- ~~Earn at least 1 credits from the following types of courses:  
Dissertation proposal writing~~
- **Earn 13 credits from transfer credits and electives. See specific concentration for detailed course information.**
- ~~Earn at least 2 credits from the following types of courses:  
see concentration for required or elective courses.~~
- ~~Earn at least 3 credits from the following:~~
  - ~~PH690—Doctoral Seminar- (1—3)~~
- ~~Earn at least 18 credits from the following:~~
  - ~~PH699—Doctoral Dissertation Hours- (3—12)~~
- ~~Earn at least 24 credits from the following types of courses:  
Coursework from: concentration, electives and M.A. transfer credit. See advisor for requirements.~~
- **Earn 18 credit hours of Doctoral Dissertation hours. See specific concentration for detailed course information.**

## Concentration Information

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### Concentration Title

Biostatistics

### Program Level

Graduate

### Concentration Requirements

- Complete all of the following
  - ~~Earn at least 3 credits from the following:~~
    - ~~PH539—Advanced Biostatistics- (3)~~
    - ~~EDPY603—Applied Statistical Design and Analysis- (3)~~
  - ~~Earn at least 3 credits from the following:~~
    - ~~STAT574—Biostatistical Methods: Survival Analysis and Logistic Regression- (3)~~
    - ~~PH537—Advanced Epidemiology Methods- (3)~~
    - ~~NURS613—Mixed Methods Research- (3)~~
    - ~~PH684—Advanced Health Policy Analysis- (3)~~
  - ~~Earn at least 6 credits from the following:~~
    - ~~EDPY604—Multiple Regression Techniques as Applied to Education- (3)~~
    - ~~EDPY608—Multilevel Modeling- (3)~~
  - ~~Earn at least 6 credits from the following:~~

- ~~PH556—Community Participatory Based Research- (2—3)~~
- ~~PH558—Intervention Research with Marginalized Populations- (3)~~
- ~~CJ604—Survey of Qualitative Research Methods- (3)~~
- ~~EDPY515—Survey and Questionnaire Design and Analysis- (3)~~
- ~~STAT576—Multivariate Analysis- (3)~~
- ~~Course Not Found~~
- ~~Course Not Found~~
- ~~PH660—Doctoral Special Topics- (1—6)~~
- ~~STAT556—Advanced Statistical Inference I- (3)~~
- Earn at least 1 credits from the following:
  - ~~PH511—Dissertation Proposal Writing- (1)~~
- Earn at least 1 credits from the following:
  - ~~OILS583—Graduate Teaching I- (1—3)~~
  - ~~PH593—Independent Studies- (1—3)~~
  - ~~PH660—Doctoral Special Topics- (1—6)~~
- Earn at least 3 credits from the following:
  - ~~PH690—Doctoral Seminar- (1—3)~~
- Earn at least 6 credits from the following:
  - ~~PH630 - Biostatistics Interdisciplinary Capstone Course (3)~~
- Earn at least 6 credits from the following types of courses:  
~~PSYC: 650 ST: Analysis of Data OR PSYC: 650 ST: Hierarchical Linear Modeling OR PSYC: 650 ST: Meta-Analysis OR PSYC 650 ST: Quasi-Experimental Design OR Additional 600-level courses offered at NMSU can be taken to fulfill this requirement. See faculty mentor for approval.~~
- Earn at least 6 credits from the following:
  - **PH621 - Special Topics in Advanced Epidemiology (1 - 6)**
  - **EDPY607 - Structural Equation Modeling (3)**
  - **PH622 - Causal Inference Methods in Epidemiology (3)**
  - **PH660 - Doctoral Special Topics (1 - 6)**
  - **PH539 - Advanced Biostatistics (3)**
  - **EDPY603 - Applied Statistical Design and Analysis (3)**
  - **EDPY604 - Multiple Regression Techniques as Applied to Education (3)**
  - **EDPY608 - Multilevel Modeling (3)**
  - **STAT561 - Probability (3)**
  - **STAT553 - Statistical Inference with Applications (3)**
  - **STAT574 - Biostatistical Methods: Survival Analysis and Logistic Regression (3)**
  - **STAT527 - Advanced Data Analysis I (3)**
  - **STAT556 - Advanced Statistical Inference I (3)**
  - **STAT576 - Multivariate Analysis (3)**
- Earn at least 13 credits from the following types of courses:  
~~MPH Level Prerequisites: PH 501 Determinants of Health Equity in Public Health, PH 502 Epidemiology and Biostatistics I, PH 538 Epi and Biostats Lab, PH 552 Interventions in Health Equity.~~
- Earn at least 18 credits from the following:
  - ~~PH699—Doctoral Dissertation Hours- (3—12)~~

## Grand Total Credits: 12

### Concentration Description

## Biostatistics (Shared UNM and NMSU)

This shared concentration will provide instruction on using advanced statistical concepts and procedures to measure health-related constructs and analyze data sets ranging from small-scale research project outputs to large population-scale epidemiological databases.