

PhD in Public Health Sciences

Core Competencies and Learning Outcomes

PHD - CORE C1

Research Theories: Synthesize historical, contemporary, and emerging theories and paradigms of significance to public health

LO 1.1: Synthesize literature-based information using systematic processes.

LO 1.2: Apply appropriate theories and conceptual framework/models to address public health issues and research.

PHD - CORE C2

Critical Analysis: Critically evaluate the strengths and weaknesses of existing research evidence and identify significant gaps in knowledge.

LO 2.1: Identify the strengths, weaknesses and limitations of existing literature.

LO 2.2: Formulate a research questions/hypothesis to address knowledge gaps.

PHD - CORE C3

Research Methodology: Comprehend, design and apply relevant and advanced research methods based on rigorous standards of evidence.

LO 3.1: Apply various research methods in public health.

LO 3.2: Apply a study design to a specific public health research question.

LO 3.3: Analyze data to address research questions.

PHD - CORE C4

Scientific Communications: Develop professional skills in scientific and grant writing, oral communication, and teaching.

LO 4.1: Prepare and submit peer reviewed publications and abstracts.

LO 4.2: Use effective communication strategies for different audiences.

LO 4.3: Prepare research/grant proposals.

PHD - CORE C5

Ethics: Uphold the highest ethical standards in all professional endeavors, including the design and implementation of research and the participation of human subjects.

LO 5.1: Identify ethical issues associated with public health practice and research.

LO 5.2: Apply ethical concepts in the conduct of research.

LO 5.3: Assess ethical consideration in developing and evaluating programs.

PHD - CORE C6

Discovery and Translational Theory: Conduct investigative research, including areas that facilitate the translation and application of discovery to practice.

LO 6.1: Interpret research findings and derive implications for public health.

LO 6.2: Demonstrate how evidence influences or is translated into public health.