



PhD in Epidemiology

- EPCC1.** Discuss the local and regional epidemiology of diseases and disorders of public health importance with an understanding of the underlying factors and context
- EPCC2.** Produce rigorous syntheses of published literature using systematic methodologies and evaluate the quality of synthesized evidence
- EPCC3.** Use evidence syntheses to identify research gaps and questions for additional primary research
- EPCC4.** Develop novel hypotheses that build on the research findings of others
- EPCC5.** Apply methods from a variety of disciplines to the conduct of epidemiological research
- EPCC6.** Design and lead independent research on theoretical and/or applied epidemiologic problems
- EPCC7.** Develop and evaluate measurement tools necessary for generating valid epidemiological findings
- EPCC8.** Effectively manage and evaluate data generated from population-based surveys and epidemiological surveillance systems
- EPCC9.** Use advanced statistical methods to analyze data generated from different epidemiological study designs
- EPCC10.** Guide field personnel in conducting culturally/context sensitive research
- EPCC11.** Interpret and evaluate original or published results
- EPCC12.** Effectively communicate the results of epidemiological studies to multiple audiences both by publication-in referred journals, presentation at professional meetings-and interaction with lay public and press
- EPCC13.** Conduct research in accordance with accepted ethical principles and practices
- EPCC14.** Prepare proposal for extra mural funding
- EPCC15.** Teach epidemiological concepts to undergraduate and graduate students and conduct professional training in epidemiology